M.O FORM 2373

AIR MINISTRY.

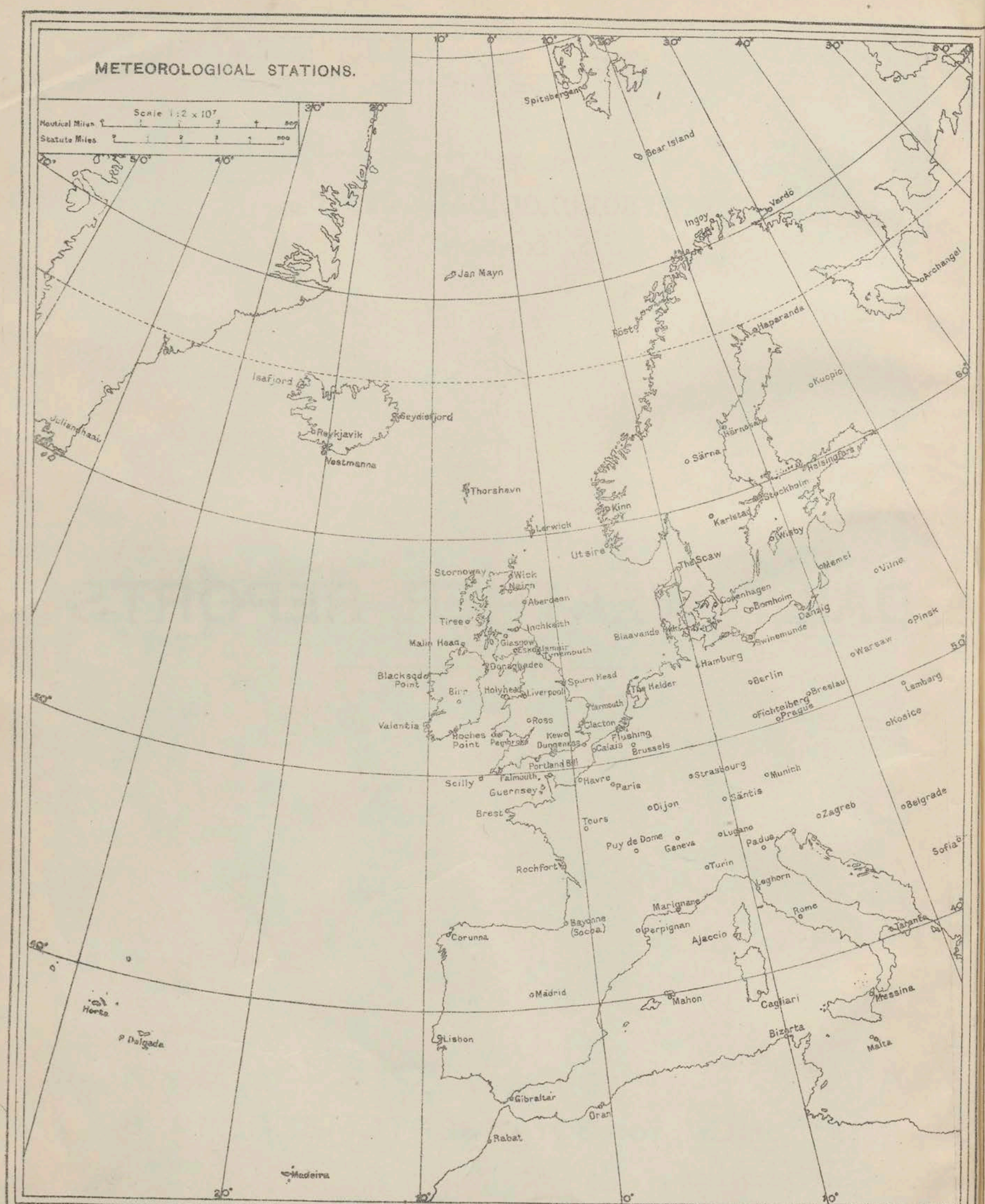
METEOROLOGICAL OFFICE.

LONDON.

DAILY WEATHER REPORTS

1ST JULY TO 30TH SEPTEMBER, 1928.

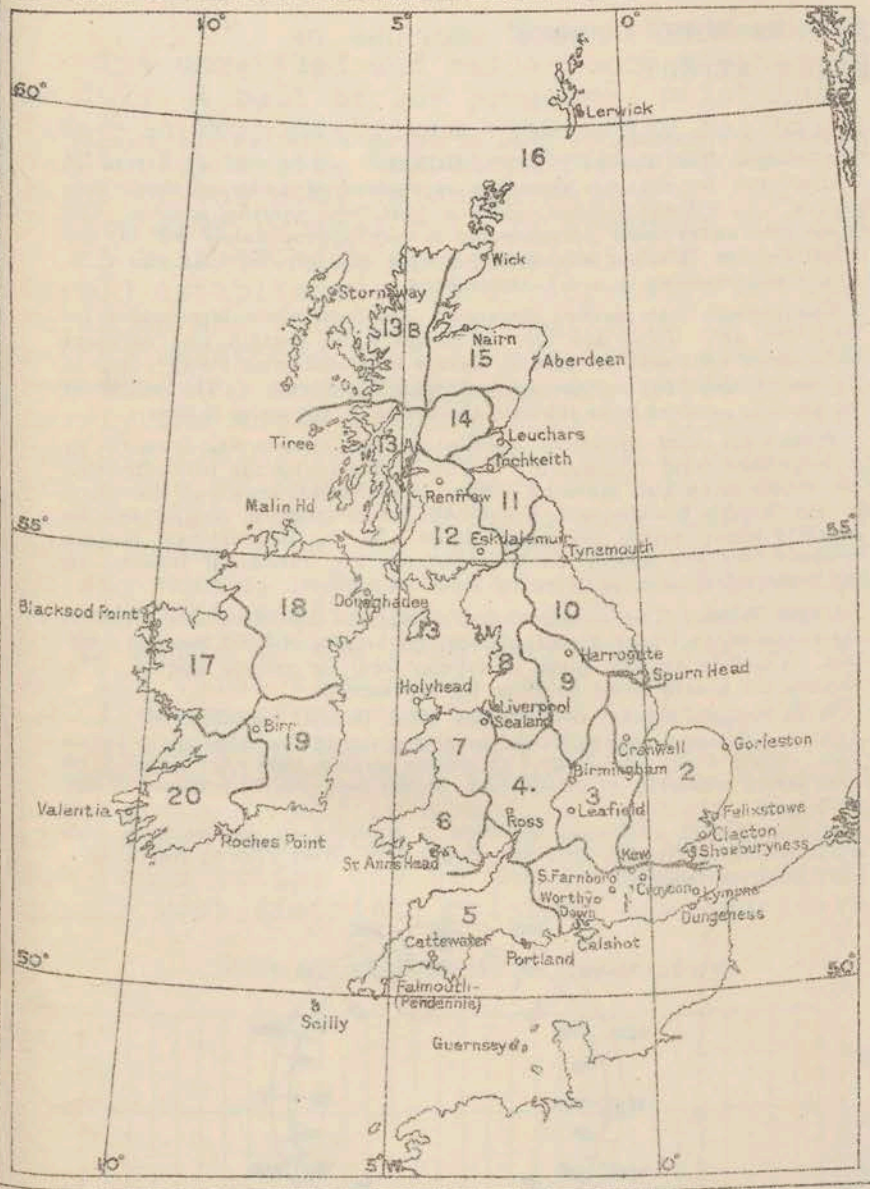
KT



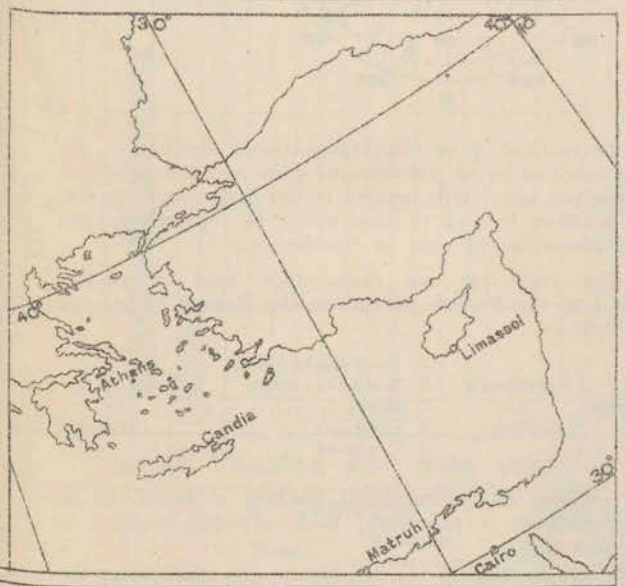
H. M. Stationery Office Press, Kingsway, W.C.2

Ps. 1146/1773. Wt. 42. D.E009. 890 11/28

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.
F thick fog " less than 200 m.
g gloomy. jp 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 in 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.—*Aberdeen.* A new site was brought into use for the thermometers and rain gauge from 1st June, 1928. This site is about 170 yards north-east of the old position and gives a more open exposure, the instruments being surrounded on most sides by open fields, whereas in the old site there were buildings to the south, west and north.

S. Farnborough. The instrument enclosure was moved on June 27th to a more open site 65 yards to the north north-west of the old position. The old enclosure was somewhat sheltered by a 6 foot corrugated iron fence on one side and also by shrubs, and had become unsatisfactory, particularly for temperature readings.

The height above M.S.L. of the new raingauge site is 237 feet which is 1 foot below that of the former site. The height of the latter given as 230 feet in the Daily Weather Report from July, 1923 to September, 1928, was in error.

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.

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.

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.

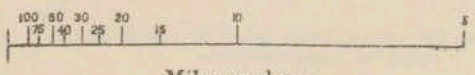
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

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.

Relative Humidity.—From January 1st 1926, relative humidity at British stations has been 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 use of Glaisher's tables has been discontinued.

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.

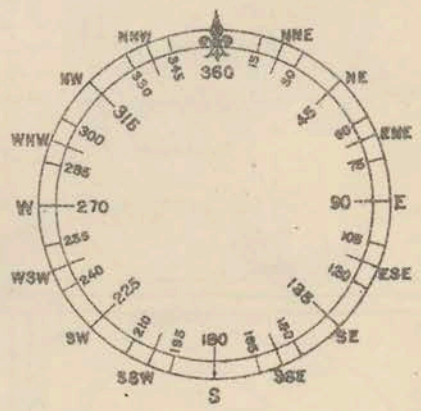
The broken lines marked Saturated Adiabatic show lapse rates for saturated air. These are for air masses which contain just sufficient moisture at 1,015 mb. pressure to become saturated after rising 1 km. in an environment having the dry adiabatic lapse rate. The condensed moisture is assumed to be retained 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 5,000 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.

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 JULY, 1928.

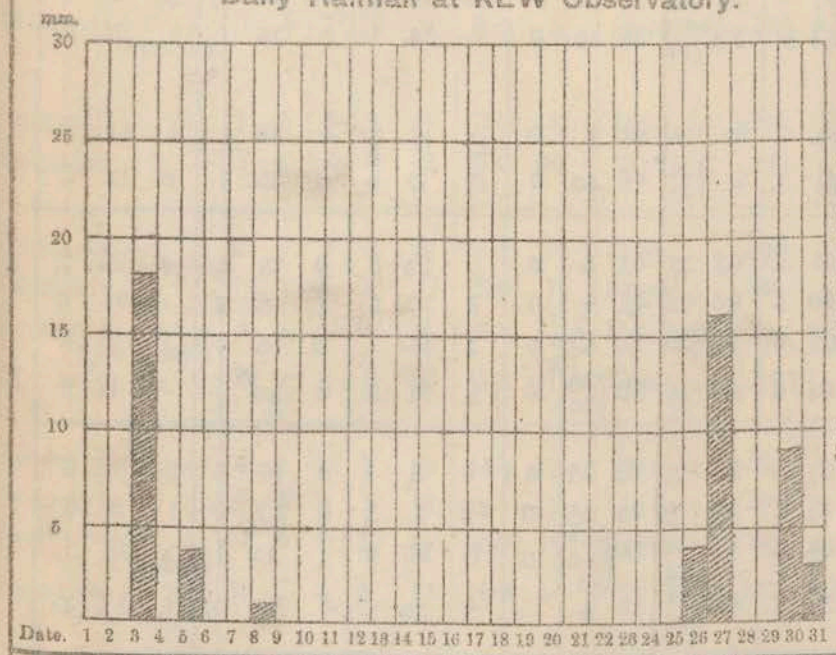
The unsettled and rather cool weather so prevalent in June continued for the first week in July. A belt of low pressure, maintained from Mid Atlantic to Scandinavia, gave rain at times in most districts with heavy falls in the Lake District and Southern Scotland on the night of the 1st., Eskdalemuir having 33 mm., and again over a rather larger area during the night of the 4th., Valentia having 25 mm.. A shallow depression moving up across North France gave general rain in Southern England; further slight rain fell in all districts on the 8th.

A belt of high pressure, with a separate centre to the southwest of England, now became firmly established, but a depression moving N.E. on the Atlantic caused a gale at Blacksod Point on the 11th. and general rain in Scotland and N.W. England. Thereafter, although rather unsettled weather continued along our northwest seaboard, the high pressure system remained the dominating feature until the 25th. A period of dry, fine weather set in over nearly the whole country with brilliant weather over the southern half of the kingdom and a rapidly rising temperature. The period 11th. - 15th. was gloriously fine and very warm over the whole of England. More than 15 hours of sunshine were enjoyed at several places and temperature rose to 85°F. or more locally. On the 14th., 15.5 hours of sunshine at Ross-on-Wye constituted a record for the station for July, while the reading has only once been exceeded in any month. With 15.3 hours at Edgbaston the day was the sunniest for 41 years. On Sunday 15th. maxima rose to 88°F. at a few stations and in the London area, Greenwich reported 91°F. Again on the 22nd. very high maxima were recorded and at Greenwich 92°F. was reached for the first time since July 1923.

A depression over Iceland, moving E.S.E., broke the dry spell over the northern half of the kingdom on the 24th. and 25th., while a shallow depression moving up from France gave general rain and local thunderstorms over Southern England on the night of the 26th. This brought to an end an absolute drought that had lasted for 20 days at Ross-on-Wye, 17 days at Kew and Gorleston and 15 days at Tynemouth. Generally unsettled conditions prevailed in the South to the end of the month, but improved conditions spread over the North.

In most districts rainfall was considerably below, and sunshine considerably above, the normal.

Daily Rainfall at KEW Observatory.



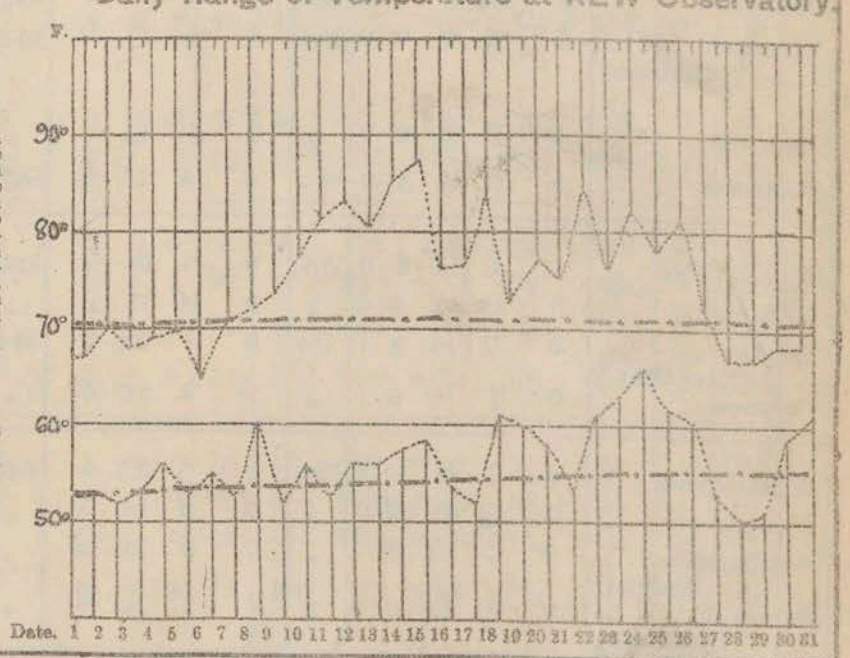
TEMPERATURE.

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 55 mm.

Daily Range of Temperature at KEW Observatory.



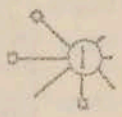
MEAN VALUES FOR THE MONTH.*

	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
	mb.	mb.	°F	°F.
Aberdeen	1012·1	−0·9	57·5	+0·8
Valentia	1019·7	+3·6	58·3	−0·6
Kew	1019·4	+3·6	65·5	+2·8

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

WIND FREQUENCIES AT 7h.

Aberdeen



Valentia

Kew

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

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

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE,

Station	TEMPERATURE. Number of daily readings within fixed limits. † Maximum. 51–59	60–68	69–77	78–86	87 or above	Normal Max.	† Minimum. 33–41	42–50	51–59	60–68	Normal Min.	Extremes—Warmest and Coldest. Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.	LOW CLOUD. Number of observations within fixed limits. 7H. Below 1,000 ft.	7H. 1,000–5,000 ft.	7H. 5,000–8,000 ft.	13H. Below 1,000 ft.	13H. 1,000–5,000 ft.	13H. 5,000–8,000 ft.	18H. Below 1,000 ft.	18H. 1,000–5,000 ft.	18H. 5,000–8,000 ft.
						°F.					°F.	°F.		°F.		°F.		°F.											
Stornoway ...	22	9	0	0	0	60.2	1	17	13	0	46.9	64	11	53	5	54	21	40	31	*	0	31	0	0	31	0	0	31	0
Aberdeen ...	9	16	6	0	0	63.1	0	14	17	0	50.2	74	11	54	27	59	11	42	31	0	4	24	1	0	31	0	3	28	0
Edinburgh ... (Inchkeith)	4	27	0	0	0	*	0	13	18	0	*	68	11, 15	54	27	57	11	45	31	0	3	20	3	5	23	1	4	22	1
Renfrew	5	25	1	0	0	*	2	10	19	0	*	69	14	56	1, 27	58	11	40	31	0	4	24	1	2	28	1	4	24	1
Eskdalemuir ...	10	21	0	0	0	*	6	15	10	0	*	66	21	52	1	53	15	38	18, 31	0	9	22	0	4	27	0	6	25	0
Dublin ... ... (Phœnix Park)	2	18	11	0	0	66.2	1	14	15	1	50.5	77	14	58	31	60	11	39	31	0	*	*	*	*	*	*	*	*	*
Birr Castle ...	2	22	6	1	0	66.3	2	11	17	1	51.3	81	21	58	4	60	11	39	31	1	4	27	0	0	30	0	1	29	0
Valentia ... ... (Cahirciveen)	6	23	2	0	0	63.8	0	5	23	3	53.8	74	21	58	4	60	24, 25, 26	47	3, 17	0	13	16	0	12	18	0	13	15	0
Tynemouth ...	4	17	10	0	0	64.2	0	8	23	0	51.3	75	14	57	7	59	11	45	31	0	2	29	0	3	28	0	4	26	0
Holyhead ...	5	26	0	0	0	66.4	0	0	31	0	53.8	68	24	57	1	59	25	51	30	0	10	18	2	4	24	3	9	15	5
Liverpool ... (Bidston) ...	6	21	4	0	0	65.7	0	4	27	0	54.2	73	11, 13	57	31	59	11, 27	48	29	0	1	26	1	0	26	1	1	26	0
Cranwell	0	9	17	5	0	*	0	11	19	1	*	85	15	62	6	60	24	44	8	0	0	18	3	0	25	1	1	21	1
Gorleston ...	0	12	16	3	0	66.2	0	5	22	4	54.7	85	22	61	7	61	24, 27	48	30	0	0	10	6	0	22	3	0	12	6
Ross-on-Wye ...	0	11	12	8	0	71.4	0	11	16	4	52.6	83	15	61	30	65	25	42	4	0	0	23	0	0	21	4	0	24	2
Leafield	0	13	12	6	0	*	0	14	15	2	*	83	15	60	3	63	25	43	4	0	3	17	5	1	19	5	1	18	5
London ... ... (Kew Obsy.)	0	7	14	9	1	71.0	0	1	22	8	54.3	87	15	65	6	66	25	50	29	0	2	16	1	0	19	1	1	19	0
Croydon	0	7	14	9	1	*	0	2	25	4	*	87	15	64	6	64	25	50	29, 30	0	3	13	3	0	20	1	0	18	3
Shoeburyness ...	0	7	13	10	1	70.8	1	3	23	4	54.7	87	22	67	3	62	25	39	29	0	0	9	1	0	14	3	0	9	5
Lympne	0	13	14	4	0	*	0	9	19	3	*	82	15	62	1	62	25	45	29	0	5	11	3	0	22	0	1	9	5
Southampton ... (Calshot)	0	9	12	9	1	*	0	5	21	5	*	88	15	64	6	63	25	50	4, 6, 10, 12, 29	0	0	20	4	1	20	1	2	15	1
Falmouth ... (Pendennis)	2	15	13	1	0	*	0	1	26	4	*	78	22	56	3	61	24, 25, 26	50	4	*	5	26	0	4	26	0	1	30	0

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature.	DUXFORD. Mean.	DUXFORD. No. of Reports.	S.FARNBOROUGH. Mean.	S.FARNBOROUGH. No. of Reports.	ALDERGROVE.	ALDERGROVE. No. of Reports.
mb.	feet.	°F.	°F.		°F.		°F.	
960	1830	53	58	44	64	7	54	1
850	4840	45	46	44	53	7	49	1
750	8180	36	40	44	47	7	44	1
650	11,920	25	29	44	33	4	–	–
550	16,170	11	16	28	17	1	–	–

UPPER WINDS.

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

STATION. Height. Feet.	RENFREW. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	CATTEWATER. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	LYMPNE. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.
2,000	54	3	29	18	4	-	43	7	33	3	-	-	102	33	55	13	1	-
5,000	17	3	7	5	1	1	27	5	16	6	-	-	61	6	40	12	3	-
10,000	8	-	-	8	-	-	11	1	8	2	-	-	18	1	12	3	2	-
15,000	2	-	-	2	-	-	5	-	5	-	-	-	1	-	1	-	-	-

† The readings used are, except in the case of Phoenix 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, ...JULY....., 1928.

	SUNSHINE.											RAINFALL.													
	Number of Days with duration.					Maximum Duration.						Number of days with amount.‡						Maximum fall in 24 hrs.							
	Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Hours.	Date.	Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	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.	mm.	Date.	Total for past 12 months.	Difference from Average.	Total for Month ‡	Difference from Average.	Days with Thunder.	Days with Snow or Sleet.
								hours.	hours.	hours.	hours.									mm.	mm.	mm.	mm.		
Stornoway ...	3	17	7	3	1	9·1	31	1264	+5	82	−63	5	12	9	4	1	0	20	17	1344	+78	77	0	0	0
Aberdeen ...	2	8	9	6	6	11·9	11	1206	−181	154	−5	18	3	5	5	0	0	12	28	913	+165	53	−18	1	0
♮Edinburgh ... (Inchkeith)	2	7	5	9	8	13·9	21	*	*	188	*	22	4	2	3	0	0	14	27	757	+203	43	−15	0	0
♮Renfrew	2	14	6	5	4	14·4	7	1142	*	130	*	16	6	5	3	1	0	17	27	1278	+354	57	−14	1	0
♮Eskdalemuir ...	4	9	7	6	5	13·5	16	1127	*	145	*	13	5	7	2	3	1	33	1	2040	+611	133	+29	0	0
Dublin ... ... (Phœnix Park)	0	8	7	7	9	14·5	14	1465	−42	202	+52	22	3	2	4	0	0	12	28	884	+179	37	−31	0	0
Birr Castle ...†	5	6	9	5	5	12·9	14	*	*	153†	*	17	7	4	2	1	0	23	4	952	+123	54	−21	0	0
Valentia ... ... (Cahirciveen)	7	8	4	5	7	15·4	16	1369	−76	148	−11	12	10	7	1	0	1	25	4	1489	+75	51	−45	0	0
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	22	3	4	1	1	0	19	26	835	+214	42	−19	0	0
Holyhead ...	2	10	7	2	10	15·0	7	1542	*	181	*	21	2	6	1	1	0	22	4	1047	+159	45	−21	1	0
♮Liverpool ... (Bidston) ...	1	6	7	6	11	14·3	11	1410	−46	224	+31	17	7	3	4	0	0	11	28	875	+166	42	−24	0	0
♮Oranwell	1	3	4	9	14	15·1	15	1456	*	265	*	22	5	2	2	0	0	15	31	681	+91	31	−28	1	0
Gorleston ...	1	1	6	10	13	15·0	14	1619	*	273	*	23	4	2	1	1	0	19	27	755	+133	43	−16	1	0
Ross-on-Wye ...	0	7	7	2	15	15·5	14	1374	*	243	*	23	3	3	2	0	0	15	31	836	+118	35	−22	0	0
♮Leafield	1	7	5	1	17	15·4	12	1454	*	251	*	24	2	1	2	1	1	34	27	887	+193	78	+16	1	0
London ... ... (Kew Obsy.)	0	2	4	9	16	15·2	{13 14	1452	−23	291	+90	24	0	4	1	2	0	18	3	762	+156	55	0	1	0
♮Croydon	0	2	3	8	18	15·3	{12 13	1543	*	297	*	24	2	2	2	1	0	22	27	849	+170	49	−11	1	0
Shoeburyness ...	0	2	3	7	19	14·7	13	1709	*	311	*	24	2	2	2	0	1	29	27	601	+121	53	+9	1	0
♮Lympne	0	5	2	5	19	15·7	12	1739	*	304	*	24	3	3	0	1	0	19	27	831	+107	28	−26	2	0
♮Southampton ... (Calshot)	0	3	4	5	19	15·3	14	1699	*	289	*	23	2	3	2	1	0	22	27	816	+170	42	+1	0	0
Falmouth ... Observatory	4	5	2	3	17	14·9	14	1651	−108	255	+30	20	4	3	4	0	0	13	30	1217	+110	44	−28	1	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 %.
Aberdeen ...	0	0	1	4	11	7	8	0	0
Renfrew... ...	0	0	3	12	10	4	2	0	0
Eskdalemuir ...	2	0	1	10	9	8	1	0	0
Valentia... ...	2	2	5	11	8	2	0	1	0
Ross on Wye ...	0	0	0	4	4	5	9	7	2
London ... ... (Kew Obsy.)...	0	0	0	0	3	4	16	4	4
Falmouth ...	4	4	3	10	7	2	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 ...	19	12	0	0	0	0	0	0	0	0
Renfrew... ...	17	13	1	0	0	0	0	0	0	0
Eskdalemuir ...	7	14	10	0	0	0	0	0	0	0
Valentia ...	11	6	1	0	0	13	0	0	0	0
Ross on Wye ...	25	4	0	0	0	2	0	0	0	0
London ... ... (Kew Obsy.)	25	6	0	0	0	0	0	0	0	0
Falmouth ...	*	*	*	*	*	*	*	*	*	*

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 0900 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).

† No record for 2nd July.

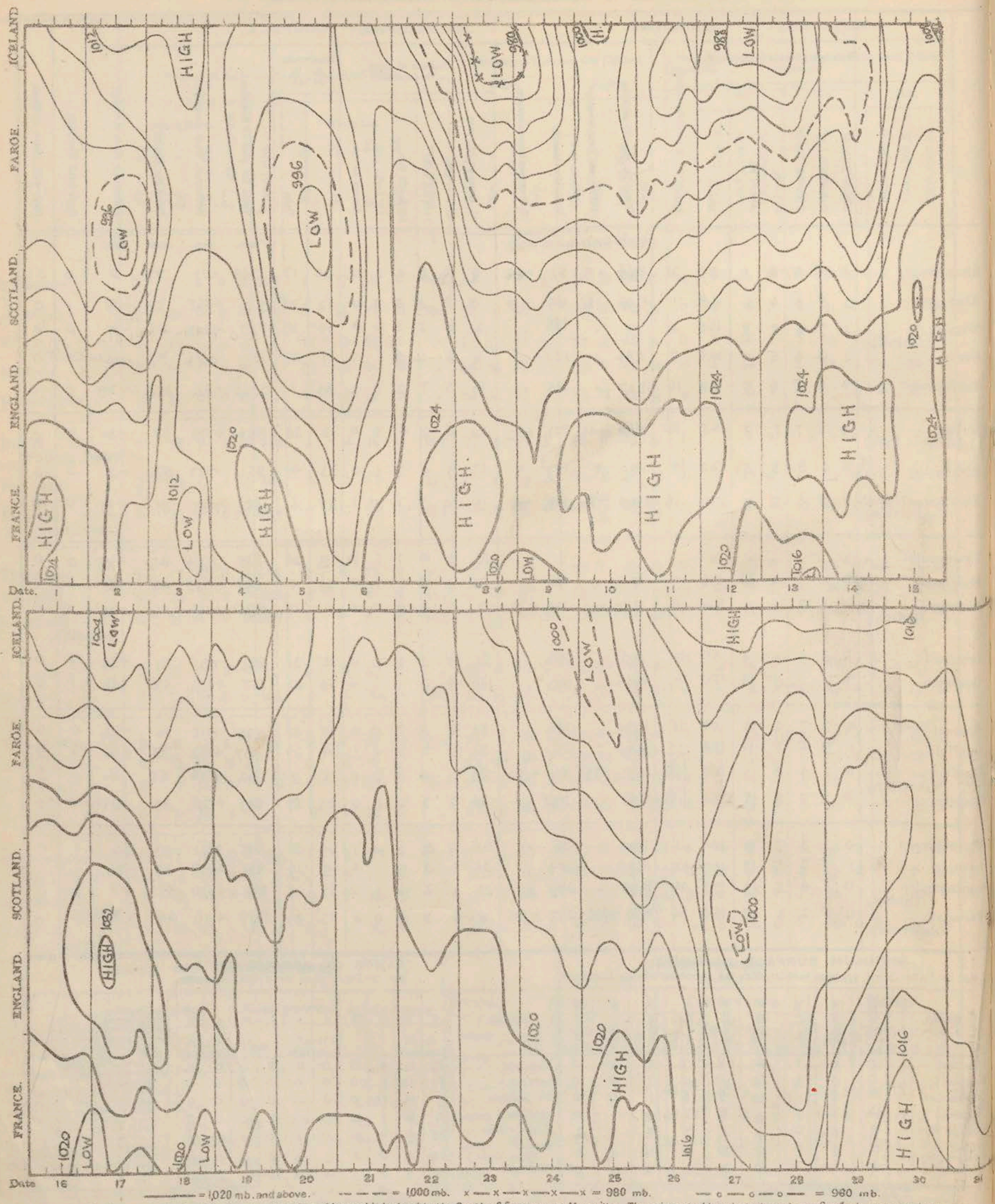
♮ The average sunshine for Liverpool and the average rainfall for the other stations marked ♮ have been computed from the records available for these several stations by reference to the nearest stations with long records.

‡ 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 JULY, 1928.

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 18h. are plotted consecutively and joined to show the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., 1° 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 24328 Sunday 1st July 1928. Page 1.

Observations at 13h. G.M.T. 30th June

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	990·4	+2	SW	4	c/pG	50	92	7	4000	CuNb	10	–	10	·
Stornoway	996·5	+3	WNW	5	o/PR	53	98	6	1500	Nb	10	–	10	·
Wick	995·6	+2	WSW	4	c	55	75	8	1500	Nb	6	A.St	8	·
Tiree	1003·3	+3	W'N	5	bc	55	75	8	2500	CuNb	2	A.Cu	3	0
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	999·4	0	WSW	4	bc	62	45	9	2500	Cu	4	Ci	4	1
Malin Head	1006·0	+4	W	6	bc/PR	55	92	7	4000	CuNb	5	–	5	·
Renfrew	1004·4	+3	WSW	5	cjp	55	85	8	1500	CuNb	8	–	8	1
Edinburgh (Inchkeith)	1002·6	+1	WSW	6	bcr₀	54	75	8	4000	Cu	5	A.St	7	·
Leuchars	1001·8	+1	WSW	6	bc-	61	65	8	2500	Cu	4	Ci	5	1
Eskdalemuir	1005·5	+1	WSW	5	bc/r	54	75	7	2500	Cu	3	Ci.St	4	2
Tynemouth	1006·4	+1	WSW	6	bc	60	55	7	1500	Cu	3	–	3	·
Blacksod Point	1011·3	+3	W	5	bc	56	75	8	*	CuNb	6	–	6	·
Donaghadee	1008·0	+1	WSW	4	bc/pr₀	58	75	8	2500	CuNb	5	–	5	·
Birr Castle	1011·9	*	WSW	5	bc/pr₀	57	75	7	2500	CuNb	6	–	6	·
Holyhead	1012·3	+2	SW	4	cr	55	92	7	2500	CuNb	8	–	8	1
Liverpool (Bidston)	1011·8	+1	W'S	5	bcv+	60	55	9	2500	CuNb	7	–	7	·
Chester (Sealand)	1012·0	+1	SW'W	5	bc	61	55	8	4000	Cu	6	Ci	7	1
Harrogate	1010·8	+1	SW	5	c/pr₀	56	65	7	4000	CuNb	9	–	9	·
Spurn Head	1010·9	0	WSW	6	bc+	60	65	7	4000	Cu	7	–	7	·
Birmingham (Edgbaston)	1013·8	0	SW	4	bc	61	55	8	2500	Cu	6	–	6	2
Cranwell	1013·0	0	WSW	5	bc	63	55	8	2500	Cu	4	–	4	1
Gorleston	1014·0	0	WSW	4	bc	65	55	7	4000	Cu	3	–	3	·
Valentia (Cahirciveen)	1017·1	+2	W'S	5	bc+	56	75	8	1500	StCu	2	A.Cu	4	1
Roches Point	1016·4	+2	NW	3	bc/pG	56	92	8	1500	CuNb	4	–	4	·
Pembroke (St. Ann's H.)	1015·6	+2	WSW	6	bc+	56	75	7	2500	Cu	3	A.Cu	5	·
Ross-on-Wye	1014·8	0	W'S	5	bc	63	55	8	2500	Cu	6	–	6	0
Leafield	1015·0	0	SW'S	5	bc/r	60	~~57~~ 65	9	4000	Cu	4	–	4	0
Winchester (Worthy Dn.)	1017·3	0	SW	3	c/pr₀	57	92	8	2500	CuNb	7	Ci.St	8	5
S. Farnborough	1017·0	+1	SW	4	bc/PR	59	92	8	2500	CuNb	4	–	4	1
London (Kew Obsy.)	1016·6	-1	WSW	4	cjp	62	55	8	2500	CuNb	8	Ci	9	0
Croydon	1016·8	-1	SW'S	5	bc/r	60	75	8	4000	Cu	5	–	5	1
Shoeburyness	1016·4	0	SW	4	bc+	64	75	8	2500	Cu	7	–	7	·
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1016·2	0	W	5	cr₀	59	75	8	2500	CuNb	6	A.Cu	8	5
Lympne	1017·2	0	SW	6	bc	60	65	7	2500	Cu	6	Ci	7	0
Scilly (St. Mary's)	1019·9	+1	W'S	5	bc	59	75	7	4000	Cu	4	–	4	·
Falmouth (Pendennis)	1020·4	+2	WNW	6	bc+	59	65	8	4000	CuNb	7	–	7	·
Plymouth (Cattewater)	1019·5	+1	SW	5	bc/pG	59	75	8	2500	CuNb	6	–	6	1
Portland Bill	1018·1	+1	SW'W	6	bc-	57	75	8	2500	StCu	7	–	7	·
Southampton (Calshot)	1018·1	0	SW'W	7	bcjp	64	65	8	4000	Nb	6	A.Cu	7	0
Dungeness ·1500·	1018·5	0	SW	5	bc	62	75	8	~~4000~~	Cu	4	Ci	7	·
Guernsey (Fort George)	1021·7	+1	W	5	bc/pG	58	75	8	2500	Cu	2	A.Cu	3	·

Observations at 18h. G.M.T. 30th June

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	989·5	-2	SW	4	cjp	51	85	7	4000	CuNb	5	Ci.St	8	·
Stornoway	1000·1	+6	WNW	5	c/r	53	75	7	2500	CuNb	9	–	9	4
Wick	997·6	+2	WSW	4	bc	55	75	8	1500	St	4	Ci.St	6	3
Tiree	1005·9	+2	W	5	b-	56	85	8	4000	Cu	1	–	1	3
Nairn	1004·1	*	WSW	3	bc	56	75	8	4000	CuNb	7	–	7	*
Aberdeen	1001·6	+4	WSW	3	bc+	58	55	8	2500	Cu	1	A.St	7	0
Malin Head	1008·6	+2	W	6	bc/pr₀	54	85	7	4000	CuNb	2	A.Cu	7	6
Renfrew	1006·7	+3	W	5	c	57	65	8	1500	CuNb	6	Ci	8	·
Edinburgh (Inchkeith)	1003·8	+1	WSW	6	bc	55	75	8	4000	Cu	2	A.Cu	5	4
Leuchars	1003·9	+3	WSW	5	bc+	58	55	8	2500	CuNb	4	A.St	6	·
Eskdalemuir	1007·6	+3	W'S	4	bc/r	53	65	7	2500	Cu	6	–	6	·
Tynemouth	1008·1	+1	W	4	bc/pr₀	54	75	7	1500	CuNb	6	–	6	1
Blacksod Point	1012·7	+2	W	5	c	55	75	8	*	CuNb	8	–	8	5
Donaghadee	1011·0	+3	W	3	bc/pr₀	56	75	8	2500	CuNb	4	–	4	3
Birr Castle	1013·5	*	SW	4	c+	56	75	7	2500	CuNb	3	Ci	8	*
Holyhead	1013·1	+1	W'S	4	cr	54	85	7	2500	CuNb	9	–	9	4
Liverpool (Bidston)	1012·8	+1	W'S	5	b-	59	65	8	1500	CuNb	2	A.Cu	2	·
Chester (Sealand)	1013·0	+1	WSW	4	c/PR	58	65	8	2500	Nb	8	–	8	·
Harrogate	1011·2	0	SW	5	b/pr₀	57	65	8	4000	CuNb	~~2~~	–	2	·
Spurn Head	1011·1	0	W'N	8	c	57	75	7	4000	CuNb	3	A.Cu	8	4
Birmingham (Edgbaston)	1014·8	+1	WSW	4	bc	58	65	8	2500	Cu	5	–	5	·
Cranwell	1013·2	0	W'S	5	bc	62	55	8	2500	Cu	4	Ci	5	·
Gorleston	1014·1	0	WSW	3	bc	60	75	7	2500	Nb	5	–	5	0
Valentia (Cahirciveen)	1017·9	0	WSW	4	c	56	75	8	1500	St	10	–	10	3
Roches Point	1017·4	+2	NW	3	c	58	85	8	2500	CuNb	8	–	8	1
Pembroke (St. Ann's H.)	1016·9	0	WSW	6	bc+	56	75	7	2500	Cu	5	Ci	7	6
Ross-on-Wye	1016·0	+2	WSW	4	bc	59	55	8	4000	Cu	4	Ci	4	·
Leafield	1016·4	-1	W'S	5	b/r	58	55	9	5700	Cu	1	A.Cu	2	·
Winchester (Worthy Dn.)	1017·8	+1	W	4	bc-	60	65	8	2500	Cu	3	–	3	·
S. Farnborough	1017·3	+1	W	4	bc/pr	60	55	8	2500	CuNb	4	–	4	·
London (Kew Obsy.)	1017·2	0	W'S	4	bc/r	63	45	8	4000	CuNb	4	A.St	5	·
Croydon	1016·9	0	SW	4	c+	59	75	8	2500	StCu	8	–	8	·
Shoeburyness	1016·8	0	W'S	3	bc-	61	85	8	–	–	0	Ci.Cu	5	·
Clacton-on-Sea	1015·9	0	WSW	4	bc	62	65	7	4000	Cu	3	A.Cu	5	3
Felixstowe	1015·6	-1	SSW	4	bc-	61	75	8	2500	Cu	2	Ci.Cu	5	4
Lympne	1018·1	+1	SW	5	bcr₀	58	75	7	2500	Nb	5	A.Cu	6	·
Scilly (St. Mary's)	1020·5	+1	W'S	5	bc	53	75	7	4000	Cu	2	Ci	5	5
Falmouth (Pendennis)	1021·2	+1	WNW	5	bc	57	65	8	4000	CuNb	5	A.St	7	1
Plymouth (Cattewater)	1020·4	+1	WNW	5	bc-	58	65	8	4000	Cu	4	Ci	6	1
Portland Bill	1018·6	+1	SW	6	bc	57	85	8	2500	Cu	3	Ci	7	6
Southampton (Calshot)	1018·4	+1	SW'W	6	bc	61	65	8	2500	Cu	3	Ci	4	6
Dungeness	1018·5	+1	SW	6	bc-	60	75	8	1500	Cu	4	–	4	5
Guernsey (Fort George)	1022·0	0	W	4	b	57	75	8	2500	Cu	1	Ci	2	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	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 8h. G.M.T. % (To-day)	Visibility at 8h.
Kew	18	cpcjp	prbc	bc	65	53	46	2	–	11·6	*	*	
Croydon	244	bcbcyG	bccpr	cbc	65	51	48	1	–	10·3	*	*	8
Greenwich (Royal Obsy.)	149	ed₀c	cpc	cbc	60	51	41	1	–	12·0	63	60	7
City (Bunhill Row)	89	*	*	*	*	*	*	*	*	10·8	*	*	·
Westminster (St. James' Pk.)	97	*	*	*	65	53	48	3	*	13·5	57	58	·
Regent's Pk. (Botanic Gdns).	182	*	*	*	*	*	*	*	*	9·9	*	*	·
Camden Square	110	c	ccpc	*	65	53	-	2	-	*	*	61	·
Kensington Palace	80	bcc	bcpbc	*	65	52		3	–	*	(At 18h) 51	56	·
Hampstead Observatory	450	*	*	*						10·5	*		·

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington			
Max.	Time.	Min.	Time.
	<0·3	Whole period.	

Kew Observatory			
Max.	Time.	Min.	Time.
	<0·1	Whole period.	

Pole Star Record at Greenwich Obsy.

Exposure from 30th June 21 h. 45 m. to 1st July 2 h. 15 m.

Stars	Exposure h. m.	Record h. m.	%
Polaris	4.30	1.38	36
δ Ursae Minoris	4.30	1.23	31

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.

1st & 2nd July, 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.36 3.36	11.57 11.57	20.17 20.17
Greenwich	3.49 3.50	12.4 12.4	20.18 20.18
Wick	3.13 3.14	12.16 12.16	21.19 21.18
Valentia	4.27 4.28	12.45 12.45	21.1 21.1

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 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.

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

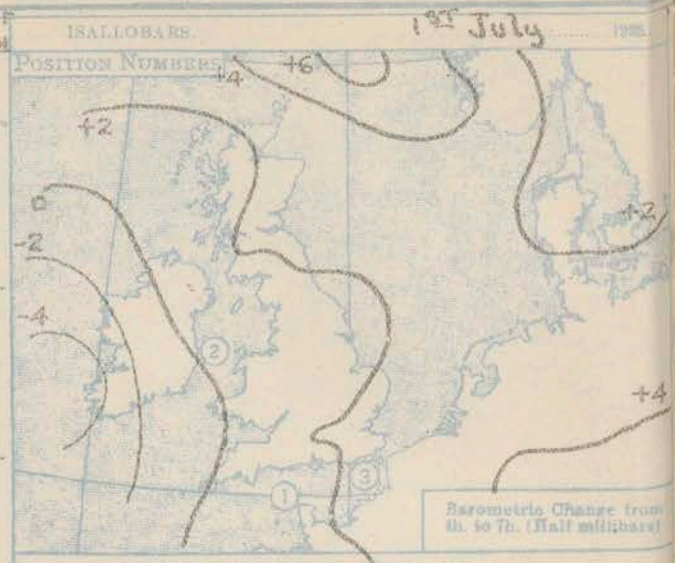
§ Telegraphic Code for Surface Visibility.

	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. 30TM	Weather. 18h.-18h. 30TM	Weather. 18h. 30TM 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 30TM Hours.
Lerwick	cipr.	orrc	cir.q	cirq	53	48	•	1	<8.00	2	<21.00	1.5
Stornoway	p	p	p	p	51	47	•	6	<8.00	4	<21.00	3.2
Wick	c	pr.bc	c	cpre	56	46	•	0.2	13.30	0.1	2.30	•
Tiree	pdbc	bc	bcpr	bcc	57	50	46	Trace	<8.00	0.2	<21.00	12.7
Nairn	bcebc	qcbc	bcpr	bc	59	47	•	–	–	0.1	22.00	3.4
Aberdeen	bcepr bcy	bcyq bcy	cbc	bc	64	44	34	0.1	9.00	–	–	7.2
Malin Head	bcpR	bcpr.	bcpr.	bcpr.or.	56	49	•	2	<8.00	0.6	<21.00	9.7
Renfrew	cpq	cpq bc	bccp	cpc	57	48	47	4	<8.00	0.6	22.00	5.8
Edinburgh (Inchkeith)	bc	p	bbc	pcbcc	56	49	47	Trace	12.30	Trace	1.30	9.9
Leuchars	cipr.bcq	ipr.bcy	bcb	bcc	62	46	40	1	<8.00	–	–	10.2
Eskdalemuir	ccpRbc	cpRbc	bc	co	57	42	41	5	9.00	–	•	5.6
Tynemouth	bcq	bcp.q	bcp.qbc	bc	62	50	42	0.6	15.30	0.1	<21.00	•
Blacksod Point ...	pqc	c	pc	cr	58	51	•	0.4	*	1	*	•
Donaghadee	bcpr.	bcpr.	pr.bc	bcc	62	49	•	1	9.00	Trace	<21.00	•
Birr Castle	bcpr	cpr.	cid.	cid.	60	49	45	2	<8.00	0.2	1.30	9.4
Holyhead	bc	Prcbcq	bc	bcc	59	52	50	4	12.30	Trace	6.30	10.4
Liverpool (Bidston) ...	bccqb	yvpP	bbc	bbccw	60	51	47	1	13.30	–	–	10.8
Chester (Sealand) ...	pR	bcpR	prc	bcc	63	50	43	1	9.00	0.3	<21.00	9.8
Harrogate	cbccP	cbbcP	bcb	bbccp.	60	50	46	1	9.00	Trace	5.30	11.1
Spurn Head	bccpr	cprq	(p)bc	bcc	63	52	•	Trace	11.00	0.3	<21.00	11.1
Birmingham (Edgbaston)	bcpr	bcpr.	bcc	cbc	62	49	45	0.4	15.30	–	–	11.2
Cranwell	cpbc	bcy	c	c	65	50	49	0.3	9.00	–	–	12.7
Coningsby	bbcq	bcptlp	bclbc	bcc	66	50	47	5	14.30	–	–	11.2
Valentia (Cahirciveen)	bcp.	bcc	c	caird	58	53	50	0.2	9.00	1	3.30	6.8
Roches Point	bcpbc	bcp.c	cv	cir.	60	53	•	0.3	11.00	0.3	5.30	•
Pembroke (St. Ann's H.)	bc	bcm.	bcc	c	57	54	•	–	–	–	–	11.4
Rhyl	bcip	bcq.y	bccbc	bcc	63	51	49	0.1	9.00	–	–	10.0
Leafield	bccp.bc	pbbc	bcw	c	61	48	44	0.1	11.00	–	–	8.9
Winchester (Worthy Dn.)	bcpr.ccpr	cpRpr	bcb	bbc	64	48	38	6	11.00	–	–	10.1
S. Farnborough ...	bccpr	bcPrq	bcybc	bc	65	48	38	3	11.00	–	–	11.8
London (Kew Obsy.) ...	cpccip	prbc	bc	bc	65	53	46	2	11.00	–	–	11.6
Croydon	bcbcyc	bccpr	cbc	bc	65	51	48	1	11.00	–	–	10.3
Shoeburyness	bc	bcPr	bc	bc	68	52	47	2	12.30	–	–	11.6
Clacton-on-Sea ...	bcy	bc	bc	bc	65	53	48	–	–	–	–	13.2
Felixstowe	bbccq	cqprbc	bc	bc	65	52	50	1	12.30	–	–	12.2
Lympne	bcyq	bcq bcr.	bcpr.m.	cm.bc	63	49	46	Trace	17.30	Trace	<21.00	12.6
Sandy (St. Mary's) ...	bc	bc	bc	cbc	60	53	•	–	–	–	–	12.6
Falmouth (Pendennis)	bcprq	bcq	bc	bc	60	52	•	Trace	<8.00	–	–	11.7
Plymouth (Cattewater)	bcpr	cqbc	bqc	cbbc	61	54	51	0.2	9.00	–	–	10.7
Portland Bill	bccqbc	bc	bcc	cbc	59	55	•	Trace	11.00	–	–	
Southampton (Calshot)	bcprq	bccprqbc	bc	c	66	52	48	0.1	11.00	–	–	12.4
Dungeness	bcbcc	bbcq	bcbcc	c	63	55	•	–	–	–	–	•
Guernsey	bcbcq	prbcb	bbc	bc	60	52	•	Trace	12.30	•	–	13.2



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility.
2	10h 30m	Cambria	WSW	4	bc	57	53	8
2	12h "	St. Helier	WSW	5	bc-	59	56	7
3	6h 1st	Brighton	W	5	bc	56	56	7

GENERAL INFERENCE.

A depression northeast of the Faeroes is moving away northeastwards, while another depression west of Ireland will move eastward or northeastwards. Occasional rain or showers will occur in most districts but there will be some bright intervals particularly in the south and southeast.

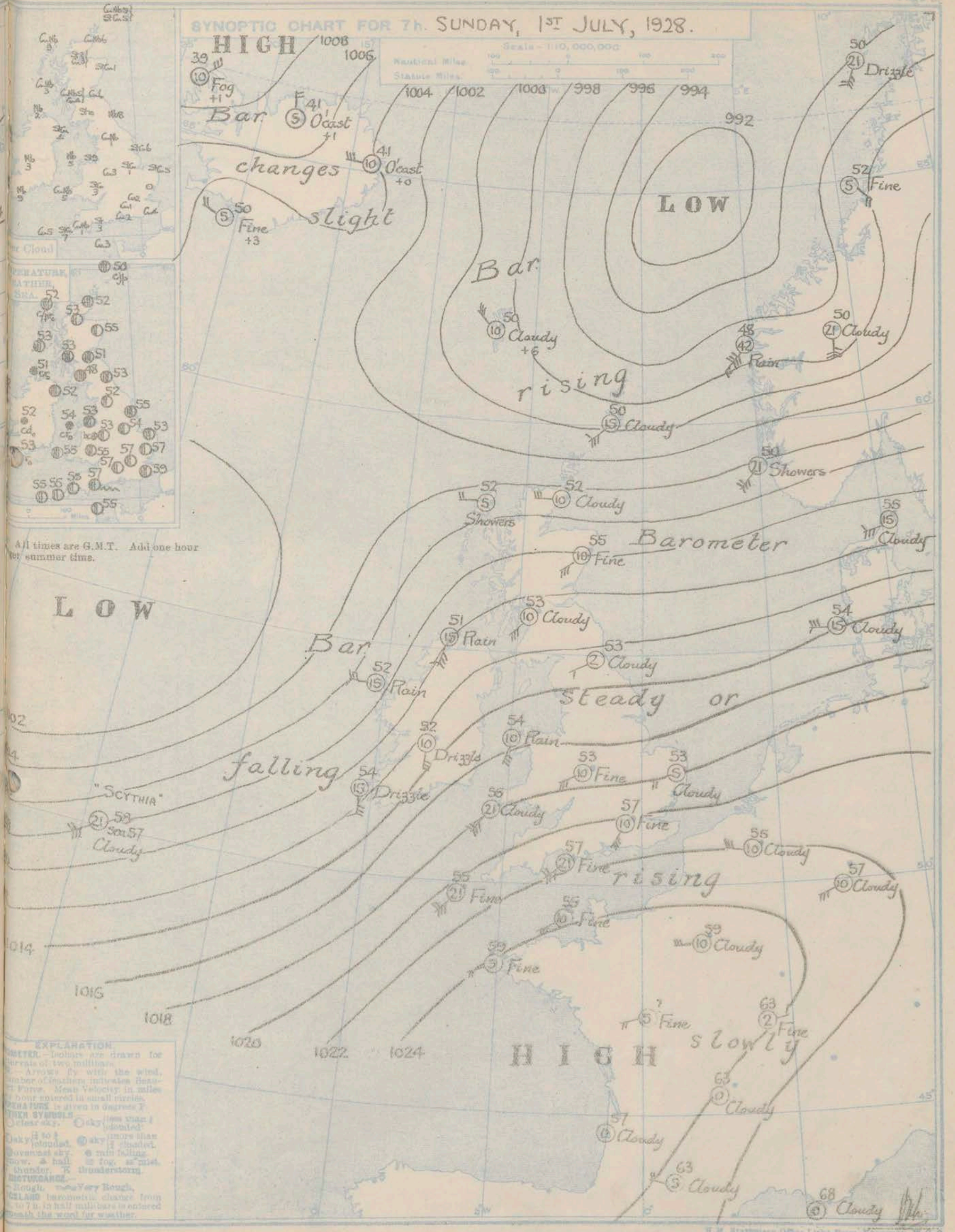
Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Sunday, 1st July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate southwest winds, fresh at times; mainly bright at first, but local showers; cloudy tomorrow with perhaps some rain or drizzle; temperature rising.	
4. W. Midlands	As 6 - 15.	
5. S.W. England 6. South Wales	Fresh to strong southwest to south winds; occasional showers, bright intervals; moderate temperature.	Unsettled, but some bright intervals.
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. NW. Scotland 14. Mid-Scotland 15. N.E. Scotland	Moderate to fresh south to southwest winds; cloudy, occasional rain or showers, some brighter intervals tomorrow; moderate temperature.	
16. Orkneys and Shetlands	Moderate to fresh southwest winds; occasional rain or showers, bright intervals; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh south to southwest winds, strong at times; dull and rainy today, bright intervals and local showers tomorrow; moderate temperature.	I.D.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1110 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, 1ST JULY, 1928.



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

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. mist falling snow. hail fog. mist. thunder. thunderstorm.
DISTURBANCE.—Rough. Very Rough.
TENDENCY. barometric change from 7 to 7 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.....Sunday, 1st July....., 1928. No. 183.

Stations.	Height above M.S.L. in feet.	Observations at 1h. G.M.T. 1st: 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. 1st: 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	54	993·8	+2	SW	4	cjp	49	85	8	4000	CuNb	5	A Cu	9	998·8	+7	SW	4	cjp	50	85	7	4000	CuNb	10	-	10	•
Stornoway	30	1004·8	+3	NW	4	bc/pR	•	•	6	•	•	•	•	6	1005·1	+1	W	2	c/pCu	52	92	7	4000	CuNb	9	-	9	1
Wick	81	1003·1	+3	W	2	c	48	97	8	1500	CuNb	6	Ci St	8	1005·1	+3	W	3	c	52	92	8	1500	CuNb	6	Ci St	8	0
Tiree	32	•	•	•	•	•	•	•	•	•	•	•	•	•	1008·9	0	SW	3	c	53	85	7	1500	CuNb	3	A St	8	3
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1007·0	•	W	1	bc	53	85	8	1500	Cu	5	-	5	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	1008·0	+2	WSW	3	bc-	55	65	8	4000	StCu	1	Ci Cu	7	0
Malin Head	61	1010·9	+1	WSW	4	bc/pCu	52	85	7	4000	CuNb	4	A Cu	5	1010·7	0	SSW	4	cCu	51	92	7	4000	Nb	2	A St	10	2
Renfrew	50	•	•	•	•	•	•	•	•	•	•	•	•	•	1011·2	+2	SW	3	c	53	85	8	2500	CuNb	9	-	9	•
Edinburgh (Inchkeith)	190	1007·7	+3	WSW	4	bc-	51	85	8	5700	StCu	1	A Cu	5	1011·2	+3	WSW	4	c	51	85	8	4000	Cu	6	Ci Cu	9	2
Leuchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1010·1	+3	SW	4	c	52	85	8	4000	StCu	7	A Cu	9	•
Eskdalemuir	724	•	•	•	•	•	•	•	•	•	•	•	•	•	1012·2	+1	SW'S	4	o	48	85	8	1500	St	10	-	10	
Tynemouth	87	1011·4	+2	WSW	3	bc	51	75	7	1500	Cu	3	Ci	5	1012·5	+2	WSW	1	c+	53	75	7	1500	Nb	8	-	8	0
Blacksod Point ...	18	1012·5	0	W	4	c	53	85	7	•	CuNb	8	-	8	1007·3	-3	W	4	orr	52	92	7	•	Nb	10	-	10	6
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1013·6	+1	W	2	c-	52	85	8	4000	StCu	4	A St	8	2
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•	1012·4	•	S	3	cdo	52	92	6	1500	Nb	3	A St	10	•
Holyhead	26	1014·9	+2	WSW	4	bc	53	92	8	-	-	0	A Cu	7	1015·6	+1	SW'S	3	cCu	54	85	8	4000	Nb	5	A Cu	9	1
Liverpool (Bidston) ..	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1016·7	+1	SW'W	2	c+	53	75	8	4000	St	9	Ci St	9	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1016·3	+1	SW	3	c	54	75	9	4000	StCu	7	Ci	8	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1015·9	+1	SW	4	bc	52	85	8	4000	CuNb	1	A Cu	7	•
Spurn Head	39	1013·9	+1	WSW	5	bc+	53	85	7	4000	St	5	A Cu	7	1015·2	+1	WSW	4	c+	55	85	7	5700	StCu	6	A St	8	
Birmingham (Edgbaston)	545	•	•	•	•	•	•	•	•	•	•	•	•	•	1018·6	+2	WSW	3	bc⊕	53	85	8	2500	Cu	3	Ci St	7	•
Cranwell	236	1016·9	+3	WSW	3	c+	52	85	6	4000	StCu	10	-	10	1017·6	+1	WSW	4	c	54	85	7	4000	StCu	1	A St	9	
Gorleston	14	1017·0	+2	WSW	2	bc	52	85	7	4000	StCu	4	-	4	1018·3	+2	WSW	2	c	53	85	7	4000	StCu	5	A St	9	0
Valentia (Cahirciveen)W	30	1016·9	-3	W	3	c	55	97	8	4	St	9	-	9	1014·9	+5	S	4	odo	54	92	6	800	St	10	-	10	3
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•	1016·3	-2	SW	3	cCu	53	97	8	1500	Nb	9	-	9	4
Pembroke (St. Ann's H.)	150	1017·6	+1	WSW	6	c+	55	85	8	1500	StCu	7	A Cu	9	1017·9	0	SW'W	5	c	55	92	8	1500	CuNb	5	A St	10	4
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1018·8	+1	WSW	3	c+	55	75	8	4000	StCu	3	A Cu	9	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1019·5	+1	SW	3	bc-	52	85	9	2500	Cu	1	A St	7	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·7	+2	SW	3	bc	56	75	8	2500	Cu	5	Ci St	7	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·6	+2	WSW	4	bc	57	75	8	2500	Cu	1	Ci	7	•
London (Kew Obsy.) ...	18	•	•	•	•	•	58	•	•	•	•	•	•	•	1021·0	+1	SW	3	bc	57	85	8	2500	Cu	2	Ci St	6	•
Croydon	244	1019·9	+2	WSW	3	bc+	53	75	8	-	-	0	A Cu	7	1020·8	+2	WSW	3	bc-	56	75	8	2500	StCu	1	Ci	5	
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·5	+2	W'S	4	bc	57	97	8	-	-	0	A St	6	3
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1020·2	+2	W	3	bc	55	75	7	-	-	0	A Cu	7	7
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1019·9	+2	WSW	3	bc	57	75	8	2500	Cu	2	A Cu	6	1
Lympne	369	1020·4	+3	WSW	3	c+	49	97	6	-	-	0	A Cu	8	1021·2	+2	WSW	4	bc+	55	75	8	2500	Cu	3	A Cu	7	
Scilly (St. Mary's) ...	163	1022·0	0	W'S	5	c+	54	85	9	4000	StCu	8	-	8	1021·9	0	SW	5	bc-	55	85	7	4000	Cu	5	-	5	6
Falmouth (Pendennis)	200	1021·6	+1	W	4	bc	53	92	8	4000	StCu	6	-	6	1021·8	0	W	4	bc+	55	85	8	4000	StCu	7	-	7	1
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1021·7	0	SW	3	bc	55	85	8	2500	CuNb	1	ACu	7	1
Portland Bill ...	32	1020·9	0	WSW	5	c	55	85	8	2500	StCu	7	Ci Cu	9	1021·4	+1	SW'W	5	bc-	57	85	8	1500	St	3	Ci	6	6
Southampton (Calshot)	10	1020·9	+1	WSW	3	c+	54	85	8	4000	StCu	4	A St	8	1021·5	+1	W'S	4	bc	56	75	8	4000	Cu	2	A Cu	7	
Dungeness	20	1021·0	+2	W	3	c+	56	85	8	1500	Cu	2	A Cu	8	1021·6	+2	W	3	c	59	75	7	1500	Cu	4	Ci Cu	8	2
Guernsey (Fort George)W	295	1024·0	0	WSW	2	bc+	53	92	7	4000	StCu	6	-	6	1023·9	+1	WSW	3	bc	55	85	8	2500	Cu	3	A Cu	5	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....20th June 1928.

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min.‡ 9h. 29th to 9h. 30th °F.	Temperature. Max. 9h. 17th-17th. 30th °F.	Rainfall.† Night 17h.-9h. 29th-30th mm.	Rainfall.† Day 9h.-17h. 30th mm.	Sunshine. Sunrise to 17h. 29th hr.	Sunshine. Sunrise to Sunset. 29th hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	bc	bcc	50	60	-	-	7·7	3·0
Douglas (I. o. M.) ...	bbc	cp	50	60	1	0·5	9·2	1·7
Llandudno ...	bc	cpbc	52	60	2	0·6	9·7	1·7
Colwyn Bay ...	b	bccb	52	63	1	-	9·5	2·1
Rhyl	bc	bcpb	52	64	1	0·2	9·0	2·4
Wallasey	b	bcpc	50	64	0·3	Trace	9·2	2·1
Southport	cbc	cbc	* 52	61	1	-	10·0	1·6
Blackpool	cbc	bcc	52	61	-	-	8·9	0·9
Ilkley	bc	pbc	48	61	1	0·4	10·4	0·0
Cleethorpes	b	pb	48	65	1	0·1	10·4	0·8
Skegness	bbcrbc	bcprbc	48	65	2	0·4	11·4	4·8
Aberystwyth ...	cbc	bcc	50	57	-	-	8·9	2·7
Bath	cpbc	bc	51	63	1	0·3	9·3	6·0
Cheltenham‡ ...	bcp	bc	50	64	-	1	10·0	2·1
Leamington Spa ...	cp	cp	48	63	-	2	9·5	1·7
Lowestoft	b	bbcpr	49	68	Trace	3	8·9	5·7
Felixstowe	bc	bcp	50	67	-	1	10·5	8·9
Harwich & Dovercourt	bc	bcrbc	48	66	-	1	10·2	8·5
Southend	bbc	bbcqr	50	67	-	1	9·5	8·2

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Maldon	bbc	pbbc	44	65	-	Trace	9·8	7·0
Ilfracombe	bc	pcb	50	58	0·6	0·3	9·8	3·6
Bude	ipcbc	bc	51	61	Trace	-	9·8	3·4
Penzance	b	b	52	63	-	-	11·3	5·4
Paignton	bcp	bcy	50	64	-	2	7·3	3·9
Torquay	cpbc	pbc	50	64	-	2	7·9	4·9
Jersey	bc	bc	53	61	-	-	10·5	11·8
Weymouth	bbc	pb	53	64	-	0·2	10·0	4·4
Bournemouth ...	b	b	50	64	-	-	11·0	5·8
Ventnor ...	bbc	b	51	60	Trace	-	11·7	5·0
Portsmouth (S'thsea)	b	b	53	65	0·4	-	11·9	7·0
Bognor	b	b	52	64	Trace	-	12·1	7·9
Littlehampton ...	bc	bc	48	61	-	-	12·0	9·2
Worthing	bcb	bbc	49	63	-	-	11·5	10·0
Brighton	bc	bc	53	62	-	-	10·7	8·5
Eastbourne‡	bc	bcb	52	62	-	-	11·0	11·2
Hastings‡	bbcb	bbcb	49	64	-	-	11·4	11·7
Folkestone	bc	bcc	48	65	-	-	11·6	11·9
Dover	bc	bcc	50	61	-	-	12·0	10·7
Tunbridge Wells ...	bcop	opc	46	65	-	5	9·0	9·0
Ramsgate	bc	bcrc	49	65	-	2	10·1	10·5
Margate	bbc	bcpbc	48	66	-	3	9·6	9·8
Deal	b	bcp	48	66	-	0·3	11·8	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. 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 instrument 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.24.329 Monday, 2nd July 1928.

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.
Lerwick	1003·6	+4	SW	4	cjp	51	85	7	4000	CuNb	6	A.St.	10	•
Stornoway	1005·6	-1	W	2	c/pr.	53	85	7	4000	CuNb	9	-	9	•
Wick	1008·4	+1	NNW	1	c	55	85	8	1500	CuNb	6	Ci.St.	8	•
Tiree	1006·5	-3	SSE	4	orr	50	97	6	800	Nb.	10	-	10	2
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1008·4	0	SW	4	bc	62	45	8	4000	Cu.	4	Ci.Cu	6	0
Malin Head	1004·0	-8	S	4	crr	53	97	7	2500	Nb.	6	A.St.	10	•
Renfrew	1010·1	-2	SSW	3	cr.	53	85	7	2500	Nb.	8	A.St.	10	1
Edinburgh (Inchkeith)	1009·6	0	SW	3	or.	53	85	8	800	St.	10	-	10	•
Leuchars	1010·2	0	SSW	3	cr.	55	75	7	2500	St.	5	A.St.	10	1
Eskdalemuir	1011·7	-2	SSW	5	cr	50	92	7	1500	CuNb	8	A.St.	10	2
Tynemouth	1012·3	0	WSW	4	ojp	58	55	7	1500	Nb.	10	-	10	•
Blacksod Point	1002·5	-2	SW	4	c	58	85	7	•	CuNb	8	-	8	•
Donaghadee	1010·6	-4	SSW	5	crr	52	92	6	1500	Nb.	9	-	9	•
Birr Castle	1008·1	•	S	3	o/r	57	97	6	1500	Nb.	10	-	10	•
Holyhead	1013·6	-3	SW	5	cr.	54	97	7	1500	St.	8	A.St.	10	1
Liverpool (Bidston)	1013·2	-1	SW	4	vcr+	57	65	9	2500	Nb.	9	-	9	•
Chester (Sealand)	1015·6	-1	SW	4	c/pr.	59	65	8	1500	Nb.	6	A.St.	9	1
Harrogate	1015·2	0	SW/S	4	cr	55	85	7	4000	Nb.	8	A.St.	10	•
Burn Head	1015·8	0	WSW	4	c	64	65	7	4000	Cu.	6	A.Cu.	8	•
Birmingham (Edgbaston)	1017·9	-1	SW	5	c-	59	65	8	2500	StCu	9	-	9	1
Cranwell	1017·4	-1	SW	5	c	63	55	8	2500	StCu	6	A.Cu.	9	0
Gorleston	1018·4	0	SW/W	4	bc	60	75	7	4000	Cu.	6	-	6	•
Valentia (Cahirciveen)	1009·3	-2	S/W	5	odd	58	97	5	450	St.	10	-	10	1
Roches Point	1013·3	-3	SW	4	orr	53	97	6	800	Nb.	10	-	10	•
Pembroke (St. Ann's H.)	1016·7	-2	SSW	6	c	58	85	7	1500	Cu.	5	Ci.St.	9	•
Rose-on-Wye	1017·9	-1	SW/W	4	c	62	65	8	4000	Cu.	7	Ci.	9	0
Leafield	1018·9	-1	SW/S	4	cv	60	65	9	4000	Cu.	6	A.Cu.	8	0
Winchester (Worthy Dn.)	1020·3	-1	SW	4	bc	64	55	8	2500	St.Cu.	7	-	7	10
S. Farnborough	1020·4	-1	WSW	5	c	63	55	8	4000	Cu.	7	Ci.	8	0
London (Kew Obsy.)	1020·2	-2	SW	4	c	64	55	8	2500	StCu	8	Ci.	9	0
Croydon	1019·9	-3	SW/S	4	c-	64	55	8	4000	StCu	7	A.Cu.	8	0
Shoeburyness	1020·6	0	W/S	3	bc	66	75	8	2500	Cu.	7	-	7	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1020·1	0	SW	4	bc	65	55	8	4000	Cu.	5	Ci.	7	0
Lympne	1021·4	0	SSW	6	c	61	75	8	~~4000~~ 2500	Cu.	6	Ci.	8	0
Scilly (St. Mary's)	1019·3	-2	SSW	5	bc	62	75	7	4000	StCu	3	Ci.	5	•
Falmouth (Pendennis)	1020·6	-1	SW/S	6	bc+	58	75	8	4000	Cu.	6	-	6	•
Plymouth (Cattewater)	1021·5	-1	SSW	4	bc-	60	75	8	2500	CuNb	1	Ci.St.	3	0
Portland Bill	1021·8	0	SW	5	c	57	85	8	2500	StCu	7	Ci.	8	•
Southampton (Calshot)	1022·0	0	SW	5	bc	66	55	8	4000	Cu.	5	Ci.	6	0
Dungeness	1022·0	+1	WSW	4	bc-	62	75	8	1500	Cu.	3	Ci.Cu.	6	•
Guernsey (Fort George)	1023·4	-1	SSW	2	vbc-	59	75	9	2500	Cu.	2	A.St.	3	•

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	1004·7	+2	WSW	3	c	53	75	8	4000	Cu.	5	A.Cu.	8	•
Stornoway	1002·8	-4	W	2	c/r	51	85	7	4000	CuNb	10	-	10	1
Wick	1005·9	-1	WSW	2	c	52	92	8	1500	Nb.	6	Ci.St.	8	0
Tiree	1002·6	-3	SSE	5	orr	54	97	5	800	Nb.	10	-	10	3
Nairn	1005·0	•	-	0	c/ci	54	75	7	1500	CuNb	9	-	9	•
Aberdeen	1007·7	-2	S	2	cr.	51	92	6	800	Nb.	3	A.St.	10	0
Malin Head	1002·2	-1	SW	3	c-	59	92	7	1500	StCu	9	-	9	1
Renfrew	1005·2	-6	SW	4	or.	55	92	6	450	Nb.	10	-	10	•
Edinburgh (Inchkeith)	1006·3	-4	SSW	2	or+	53	97	6	800	Nb.	10	-	10	1
Leuchars	1007·0	-5	SSE	2	cr.	53	92	7	1500	Nb.	8	A.St.	10	•
Eskdalemuir	1008·1	-4	SW	6	oRR	51	92	6	800	Nb.	10	-	10	•
Tynemouth	1010·4	-2	SW	2	or.	54	85	6	1500	Nb.	10	-	10	0
Blacksod Point	1002·3	-1	SSW	6	c	57	85	7	•	CuNb	9	-	9	7
Donaghadee	1006·3	-2	SW	6	bc-	56	92	7	1500	CuNb	7	-	7	4
Birr Castle	1008·4	•	S	3	cr.	60	92	6	1500	Nb.	6	A.St.	10	•
Holyhead	1010·8	-4	SSW	6	or.	55	97	6	450	Nb.	10	-	10	5
Liverpool (Bidston)	1012·4	-4	SSW	4	c/r	56	75	8	1500	CuNb	6	A.St.	10	•
Chester (Sealand)	1012·9	-3	SSW	4	cr.	59	65	8	1500	St.	9	A.St.	10	•
Harrogate	1012·8	-1	S	5	cr.	56	75	7	4000	Nb.	8	A.St.	10	•
Burn Head	1014·1	-1	SW	4	c	60	75	7	-	-	0	Ci.St.	10	2
Birmingham (Edgbaston)	1016·6	-1	SW	3	c+	60	65	8	2500	StCu	9	-	9	•
Cranwell	1016·3	-2	SW	4	c	61	65	8	4000	StCu	6	A.St.	10	•
Gorleston	1017·2	-1	SW/S	4	bc	67	55	6	4000	Cu.	7	-	7	0
Valentia (Cahirciveen)	1009·3	+1	SW	5	cd	58	92	5	800	St.	10	-	10	3
Roches Point	1011·6	-2	SW	4	odd	55	97	6	800	Nb.	10	-	10	6
Pembroke (St. Ann's H.)	1013·4	-3	SSW	7	crr.	55	97	6	800	StCu	10	-	10	6
Rose-on-Wye	1016·6	-1	SW/W	5	c	60	75	8	4000	StCu	8	A.Cu.	9	•
Leafield	1017·6	-1	SSW	4	cv	60	65	9	4000	Cu.	2	A.Cu.	8	•
Winchester (Worthy Dn.)	1019·8	-1	SW/S	4	bc	59	65	8	2500	StCu	3	A.Cu.	7	•
S. Farnborough	1019·8	0	SW	4	bc	59	65	8	4000	Cu.	1	A.Cu.	7	•
London (Kew Obsy.)	1019·7	-1	SW	4	bc	63	55	8	2500	Cu.	2	Ci.	7	•
Croydon	1019·9	0	SW/S	5	bc	60	65	8	4000	Cu.	3	A.Cu.	7	•
Shoeburyness	1019·8	0	WSW	4	bc	61	85	8	-	-	0	Ci.Cu.	7	•
Clacton-on-Sea	1019·5	0	SSW	5	bc	63	65	7	4000	Cu.	5	Ci.St.	7	4
Felixstowe	1019·5	-1	SSW	5	c	63	75	8	4000	Cu.	3	A.Cu.	8	3
Lympne	1021·0	0	SSW	4	vbc-	58	75	9	4000	Cu.	1	Ci.	5	•
Scilly (St. Mary's)	1018·5	-3	SW/S	6	c+	58	85	7	4000	StCu	10	-	10	5
Falmouth (Pendennis)	1018·9	-2	SW/S	7	bc+	58	85	8	4000	Cu.	3	A.Cu.	7	4
Plymouth (Cattewater)	1020·2	-1	SW	4	c	57	92	8	1500	StCu	9	-	9	2
Portland Bill	1020·8	-2	SW/S	4	bc	57	85	8	2500	StCu	3	Ci.	4	4
Southampton (Calshot)	1020·7	-1	SW/W	5	bc-	61	65	8	2500	Cu.	2	A.Cu.	4	10
Dungeness	1021·8	-1	WSW	3	bc-	59	85	8	2500	Cu.	3	Ci.St.	5	3
Guernsey (Fort George)	1022·9	-1	SW/W	1	vb-	58	75	9	-	-	0	A.Cu.	1	0

LONDON OBSERVATIONS.

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

	Height above M.S.L. in Feet.	Weather. Morning. (24 Hours ended 9h.)	Weather. Afternoon. (24 Hours ended 9h.)	Weather. Night. (24 Hours ended 9h.)	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Temperature. Min. on Grass. °F.	Rainfall 24 hrs. Day.	Rainfall 24 hrs. Night.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 18h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Sea.
Kew	18	c	bcu	bcc	67	53	49	-	-	8·8	•	•	•
Croydon	244	bcu	cbcu	bcbubc	66	52	48	-	-	10·5	48	87	3
Greenwich (Royal Obsy.)	149	cu	c⊕u	cbc	72	52	45	-	-	10·2	•	•	•
City (Bunhill Row)	90	•	•	•	•	•	•	•	•	9·8	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	66	54	49	-	-	10·0	40	69	•
Regent's Pk. (Botanic Gdns.)	168	•	•	•	•	•	•	•	-	10·8	•	•	•
Camden Square	115	c	c	•	68	54	•	-	-	•	•	76	•
Kensington Palace	80	c	c	•	67	53	49	-	-	•	(At 18h) 53	69	•
Hampstead Observatory	450	•	•	•	66	47	39	-	-	10·0	•	84	•

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.
403 Throughout			

Kew Observatory

Max.	Time.	Min.	Time.
401 Throughout			

POLE STAR RECORD at Greenwich Obsy.

Exposure from 1st ..... 21 h. 45 m. to 2nd ..... 3 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	4 30	4 30	100
δ Ursæ Minoris	4 30	4 30	100

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 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 frost (ice on roads from frozen rain or melted snow).

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

2nd-3rd July, 1928.

STATIONS.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3·36	11·57	20·17
	3·37	11·57	20·17
Greenwich	3·50	12·04	20·18
	3·50	12·04	20·17
Wick	3·14	12·16	21·18
	3·15	12·16	21·17
Valentia	4·28	12·45	21·01
	4·29	12·45	21·01

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.
ra 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. ro = 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:—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=uc 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

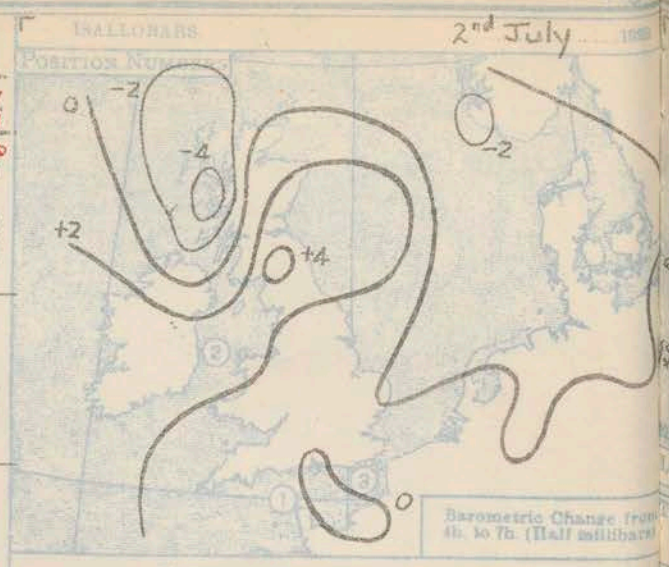
§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	Objects not visible at
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.	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.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	Weather 7h.-13h. 1st	13h.-18h. 1st	18h. 1st to 18h. 2nd	18h.-7h. 2nd	Temperature Max. Day. Th.-18h.	Min. Night. 18h.-7h.	Min. on Grass	Rainfall† Day. 7h.-18h. mm.	began.	Night 18h.-7h. mm.	began.	Sun 1st Hours.
Lerwick	cirq	c	bc	bcc	54	44	•	0·6	<8·00	-	-	2·0
Stornoway	p	p	r-d	opro	58	49	•	1	<8·00	5	12?00	3·8
Wick	cpr,c	circ	cr,c	cpr,	56	49	•	2	9·00	1	22·00	•
Tiree	cr,rr	orr	prc	opr	55	49	48	6	<8·00	1	<21·00	0·3
Nairn	bc	cbcdc	rcbc	bc	60	50	•	0·6	15·30	3	<21·00	3·5
Aberdeen	bcq	cr,r,m,	cirm,	cmbcb	64	50	49	1	13·30	2	<21·00	6·7
Malin Head	cr,crr	circ	c.bccjfpr	opr,	59	51	•	6	<8·00	0·3	22·00	0·1
Renfrew	cp,cr,	orrm,	or,r,c	cpc	56	52	48	7	9·00	1	<21·00	0·3
Edinburgh (Inchkeith)	copr	or,rr	rrcbc	cbc	55	53	49	3	<8·00	3	<21·00	0·1
Leuchars	cir,	cir,rer,	cir,c	c	57	52	49	1	11·00	1	<21·00	0·3
Eskdalemuir	ocpr	oirc RRr	orrmcdbr	orm,c	52	49	48	17	?9·00	16	<21·00	0·3
Tynemouth	coq	or,r,q	orrq	oc	61	53	51	2	14·30	7	<21·00	•
Blacksod Point ...	Pc	Pc	c	c	60	53	•	6	•	Tr.	•	•
Donaghadee	cirr	rrirc	cprbc	bc	57	51	•	7	9·00	2	<21·00	•
Birr Castle	corr	cir,	cir,c	bc	60	51	47	6	<8·00	0·2	<21·00	0·0
Holyhead	cr,r,R	r,r,RRq	rfor ir,c	ocm,	57	54	53	6	<8·00	1	<21·00	0·5
Liverpool (Bidston) ...	cp,v	cop,p	crp,	c	59	55	53	1	12·30	1	<21·00	1·0
Chester (Sealand) ...	cpr,	c	c	cd,c	61	55	55	Tr.	11·00	0·1	1·30	0·8
Harrogate	bccp	cor,rir,	cqir	cqir	60	53	51	0·3	11·00	1	<21·00	1·5
Spurn Head	c	cpr,	c,br,bc	c	65	55	•	Tr.	15·30	0·2	<21·00	4·8
Birmingham (Edgbaston)	bcc	c	c	od,	64	54	53	-	-	Tr.	3·30	3·0
Cranwell	c	c	c	cpc	64	53	54	-	-	Tr.	3·30	1·7
Gorleston	cq	bcqq	bc	cq	68	54	53	-	-	-	-	8·4
Valentia (Cahirciveen)	odd	oir,d	c	cp,bc	59	53	50	2	<8·00	Tr.	3·30	0·5
Roches Point	cir,orr	orrod	odcg	cbc	56	52	•	7	<8·00	1	<21·00	•
Pembroke (St. Ann's H.)	cp,q	cPmq	cq,br,rm	odd,mq	58	54	•	0·1	9·00	2	1·30	0·9
Ross-on-Wye	c	cbcc	cbcc	cod,d,	65	55	54	-	-	0·2	3·30	3·1
Loafield	bcc	bcv	c	o	64	52	49	-	-	-	-	3·3
Winchester (Worthy Dn.)	bcq	bcq	bcc	c	64	51	47	-	-	-	-	10·9
S. Farnborough ...	bcc	cq	bcb	bcc	65	52	47	-	-	-	-	10·4
London (Kew Obsy.) ...	c	bcq	bc	bcc	67	53	49	-	-	-	-	8·8
Croydon	bccq	cbcq	bcbw	bc	66	52	48	-	-	-	-	10·5
Shoeburyness	c	c	bc	bc	68	53	49	-	-	-	-	9·7
Clacton-on-Sea ...	bcq	bcq	bc	bc	67	54	51	-	-	-	-	7·4
Felixstowe	bcq	c	c	c	68	54	51	-	-	-	-	7·4
Lympne	c	bcqbc	bcbw	burbc	62	49	45	-	-	Tr.	-	11·9
Scilly (St. Mary's) ...	bc	bcc	cir,	coird	62	53	•	-	-	0·2	<21·00	8·5
Falmouth (Pendennis)	bc	bcq	bccrc	cordq	59	53	•	-	-	0·3	22·00	10·1
Plymouth (Castewater)	bccq	bccq	cbc	cod,	61	53	55	-	-	0·4	2·30	9·5
Portland Bill	bcc	bc	bcc	cx,	59	53	•	-	-	-	-	•
Southampton (Calshot)	cbc	bcqq	bc	bccbc	66	53	53	-	-	-	-	11·5
Dungeness	cbbc	bc	bc b	bbc	63	53	•	-	-	-	-	•
Guernsey	bcv	cbv	bw	bbc	61	53	•	-	-	-	-	14·2



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility.
3	2nd 1h	Dieppe	-	0	bc	58	57	8

GENERAL INFERENCE.

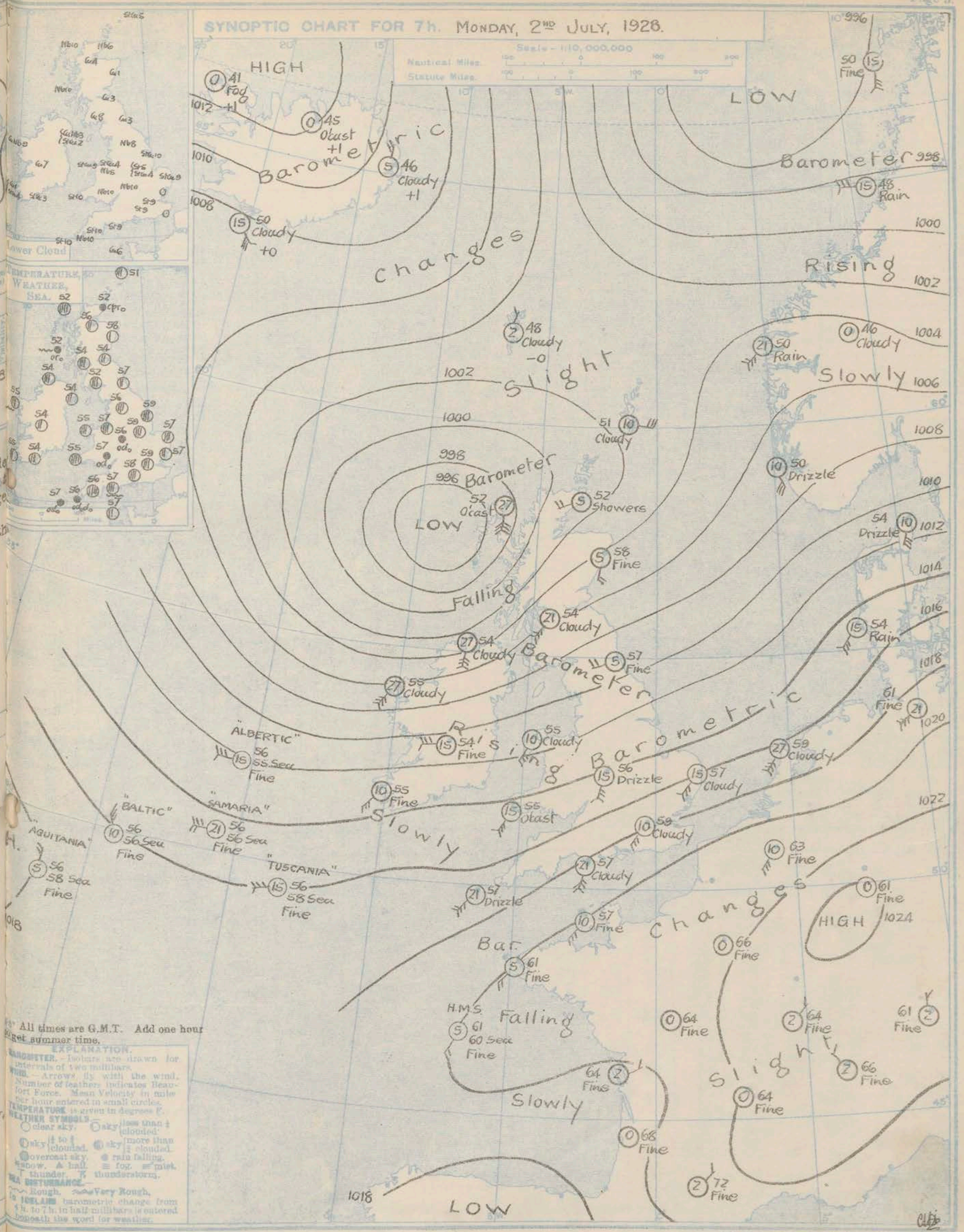
A depression off the Hebrides will move slowly east or north and become less deep, and a wedge of high pressure will move in from the Atlantic. Weather in the south will be mainly fair and in the north will be showery but improving.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Monday, 2nd July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S.W., veering W., moderate; cloudy periods today with slight local showers or drizzle; mainly bright tomorrow; moderate temperature.	
4. W. Midlands 5. S.W. England 6. South Wales	Wind W., moderate, fresh locally; mainly bright but a few scattered showers; moderate temperature.	Fine for a time in the South; unsettled in the North, after a very temporary improvement.
7. North Wales 8. N.W. England 9. N. Midlands	Wind S.W. to W., moderate or fresh; occasional showers, bright intervals; moderate temperature.	
10. N.E. England 11. S.E. Scotland	Wind S.W. veering W., fresh or strong moderating; some showers at first; mainly bright tomorrow, but local showers; moderate or rather low temperature.	
12. S.W. Scotland & Isle of Man	Wind S.W. to W. or N.W., strong to gale, moderating later; cloudy, some rain; showers and bright intervals later; rather cool.	
13. (A. W. Scotland (B. NW. Scotland		South Cone hoisted 8h 50m. G.M.T. today; to be lowered at 17h. G.M.T. today.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	As 11 - 12.	
17. N.W. Ireland 18. N.E. Ireland	Wind W., fresh or strong, moderate; some showers but bright intervals; rather cool.	
19. S.E. Ireland 20. S.W. Ireland	As 7 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1000 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.



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

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 mile 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. ✱ snow. ▲ hail. ≡ fog. ≡ mist. T thunder. ⚡ thunderstorm.

SEA DISTURBANCE.—〰 Rough. 〰 Very Rough.

To ICELAND barometric change from 4 h. to 7 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:

BRITISH SECTION...Monday, 2nd July.....1928. No. 184.

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.‡ 0-8	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	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.‡ 0-8	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sun. 0-9
Lerwick	54	1004.4	0	-	0	bc	46	92	8	5700	St.Cu	2	A St	4	1002.6	-1	E'S	3	c	51	85	8	5700	St.Cu	5	A.St.	9	*
Stornoway	30	1001.0	-3	SE	4	crr	*	*	4	*	*	*	*	10	997.9	-2	S	6	o	52	85	6	2500	Nb.	10	-	10	5
Wick	81	1002.5	-3	S	2	c	49	97	8	1500	St.Cu	8	-	8	1001.2	0	WSW	2	c/pr.	52	92	8	1500	Nb.	6	CuSt.	8	0
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	998.7	-4	S	6	ov.	52	86	6	1500	Nb.	10	-	10	6
Nairn	83	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.1	*	WSW	1	bc	58	75	8	4000	Cu.	4	-	4	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*	1004.0	+2	SSW	2	b	58	75	8	4000	Cu.	1	A.Cu.	1	0
Malin Head	51	1003.8	+2	SSW	4	c/pr	53	92	7	4000	St.Cu	8	-	8	1002.5	-2	SSW	6	c/r	54	85	7	4000	Cu.	9	-	9	4
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.4	+1	SW	5	c+	54	85	8	2500	St.Cu	9	-	9	*
Edinburgh (Inchkeith)	190	1003.5	0	SW	4	c+	57	92	8	4000	St.Cu	7	A.Cu	9	1005.6	+2	SW	4	bc	54	85	8	1700	Cu.	3	A.Cu	6	2
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.9	+3	SW	3	c	56	75	8	2500	St.Cu	9	-	9	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.8	+4	SW'W	5	c	52	85	7	2500	Cu.	8	A.Cu	9	*
Tynemouth	67	1009.1	-1	SSW	3	ojp	55	92	7	1500	Nb	10	-	10	1008.1	+2	WSW	2	bc-	57	85	8	1500	Cu.	3	A.Cu	5	0
Blacksod Point ...	18	1004.5	+1	SSW	5	bc	54	85	7	*	CuNb	7	-	7	1006.0	+3	SW	6	c	55	75	7	*	CuNb	9	-	9	7
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.3	+1	WSW	4	bc-	54	75	8	2500	CuNb	5	-	5	3
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.5	*	W	4	bc-	54	75	7	2500	Cu.	7	-	7	*
Holyhead	26	1010.3	0	SW	5	o	55	97	6	450	St	10	-	10	1011.8	+2	SW'S	3	c	55	97	7	700	St.Cu	9	-	9	1
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.6	+1	WSW	2	c	57	75	8	2500	Nb.	9	-	9	
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.4	+1	WSW	3	c	61	65	8	800	St.Cu	9	-	9	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.8	+1	SW	3	c	56	85	8	2500	Nb.	8	A.Cu	9	*
Spurn Head	39	1011.9	-2	SW	5	bc	57	85	7	5700	St.Cu	5	C.Cu	7	1012.3	0	SW'W	5	c	59	85	7	5700	St.Cu	10	-	10	2
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.9	+1	SSW	4	od.	56	92	6	1500	Nb.	10	-	10	*
Cranwell	238	1014.3	-1	SW	5	c	55	85	8	4000	St.Cu	7	A St	9	1014.5	0	SW'W	4	c	59	85	7	800	St.	9	-	9	*
Gorleston	14	1016.5	-1	SW	4	c+	55	85	7	-	-	0	A.Cu	8	1018.0	0	SW	4	c	57	85	6	5700	St.Cu	9	-	9	1
Valentia (Cahirciveen)P	30	1013.4	+2	SW	3	c-	59	92	8	*	CuNb	8	-	8	1013.6	+2	SW'W	3	bc	55	75	8	1500	St.Cu	5	-	5	3
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.0	+3	W	2	bc	54	97	8	2500	St.Cu	3	-	3	4
Pembroke (St. Ann's H.)	160	1013.6	0	SW	6	odd.	56	97	4	450	St	10	-	10	1014.3	+1	SW	4	o/d	55	97	6	800	St.	10	-	10	4
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.3	0	SW'S	3	od+	57	92	6	1500	Nb.	10	-	10	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	1016.3	0	SSW	4	c-	57	92	8	800	St.Cu	9	-	9	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.2	0	SSW	4	c	57	85	7	800	St.	9	-	9	*
S. Farnborough ...	250	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.1	0	SW	4	c	58	85	8	800	St.	9	-	9	*
London (Kew Obsy.) ...	18	*	*	*	*	*	54	*	*	*	*	*	*	*	1018.3	+1	SW	3	c	59	85	8	1500	St.	9	A St	10	*
Croydon	344	1015.0	-2	SSW	3	b-	53	85	7	-	-	0	A St	1	1018.5	+1	SW'S	4	c+	58	75	7	1500	St.Cu	10	-	10	5
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.8	0	SW	4	b	60	92	7	-	-	0	CuG	1	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.9	0	SW	4	bc	57	85	7	-	-	0	A.Cu	7	2
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.2	0	SW'S	4	c-	58	85	8	4000	St.Cu	3	A.Cu	8	3
Lympne	289	1020.3	0	SSW	3	b-	51	92	7	-	-	0	Cu	2	1019.4	0	SSW	54	bc+	56	85	8	1500	Cu	7	-	7	*
Scilly (St. Mary's) ...	163	1016.9	-1	SW	5	c	57	92	7	4000	St.Cu	10	-	10	1016.9	0	SW'W	5	od.	57	97	6	2500	St.	10	-	10	5
Falmouth (Pendennis)	200	1017.3	-1	SW	5	c	56	92	8	4000	St.Cu	9	-	9	1017.3	0	SW'W	5	odd.	56	97	6	2500	Nb	10	-	10	1
Plymouth (Cattewater)	88	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.2	0	SW	4	o	56	97	7	450	St.	10	-	10	1
Portland Bill	37	1018.2	-1	SSW	4	c-	57	85	8	2500	St.Cu	6	A.Cu	8	1018.2	+1	SSW	5	c	57	92	6	1500	St.	9	-	9	5
Southampton (Calshot)	10	1018.7	-1	SW'W	4	bc	56	85	8	2500	St.Cu	3	A.Cu	5	1018.7	-1	WSW	4	bc-	59	85	8	1500	Cu.	6	-	6	0
Dungeness	30	1020.5	-1	W	3	b-	56	85	8	-	-	0	Cu	1	1019.7	0	WSW	4	bc+	58	85	8	-	-	0	Cu	4	4
Guernsey (Fort George) P	206	1021.2	-2	-	0	b-	55	97	7	-	-	0	-	0	1020.6	0	SW	3	bc+	57	92	8	2500	Cu.	8	-	8	1

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 30th to 9h. 1st °F.	Temperature. Max. 9h.-17h. 1st °F.	Rainfall.‡ Night 17h.-9h. 30th-1st mm.	Rainfall.‡ Day 9h.-17h. 1st mm.	Sunshine. Sunrise to 17h. 1st hr.	Sunshine. Sunrise to Sunset. 30th hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	c	CrO	47	57	-	1	0.1	9.7
Douglas (I. o. M.) ...	orr	orr	50	54	1	7	0.9	10.6
Llandudno ...	cpc	pcc	53	60	0.1	0.3	1.2	11.0
Colwyn Bay ...	cpc	cpc	53	60	0.5	0.5	0.8	10.8
Rhyl...	bc	cpc	51	65	-	0.1	1.7	11.0
Wallasey	bccp	corr	52	63	Trace	0.4	0.6	11.0
Southport	cbcc	or	*53	61	-	4	1.2	12.1
Blackpool	co	or	53	60	-	6	1.1	9.0
Ilkley	bc	cpc	48	61	1	0.5	2.4	11.2
Cleethorpes... ...	bpc	oc	50	66	0.3	-	4.5	11.6
Skegness	ocbc	co	49	65	-	-	4.4	13.0
Aberystwyth ...	cmr	c	52	59	0.3	0.2	0.3	8.9
Bath	cbcb	bc	63	66	-	-	6.2	11.8
Cheltenham‡ ...	bcc	cbcc	52	67	-	-	4.2	11.2
Leamington Spa ...	cb	cb	53	66	-	-	4.2	10.7
Lowestoft	b	b	49	68	Trace	-	7.0	10.8
Harwich & Dovercourt	bc	bc	50	68	-	-	7.4	11.4
Southend	bcb	bc	52	68	-	-	8.0	10.9

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Maldon	bcc	bcc	46	68	-	-	5.5	12.5
Ilfracombe	cbcb	bbcc	54	62	-	-	5.7	10.7
Bude	cbc	bccbc	54	62	-	-	4.4	12.2
Penzance	b	b	52	63	-	-	9.8	12.8
Paignton	bc	bc	52	64	-	-	9.7	9.7
Torquay	cbc	bc	53	64	-	-	10.7	10.3
Jersey	bc	b	54	65	-	-	10.8	12.8
Weymouth	bcb	b	54	64	-	-	9.7	11.0
Bournemouth ...	bc	bbc	52	64	-	-	9.0	11.5
Ventnor ...	cbcb	bbc	53	59	-	-	9.1	13.5
Portsmouth (S'thsea)	b	b	55	65	-	-	9.4	13.6
Bognor	b	b	54	63	-	-	10.4	14.2
Littlehampton ...	bc	bc	52	61	-	-	10.4	13.3
Worthing	bc	bbc	53	64	-	-	10.8	12.7
Brighton	bc	bc	55	62	-	-	9.8	11.7
Eastbourne‡	cbc	bcb	55	62	0.3	-	9.0	12.6
Hastings‡	bcbbc	bbcc	53	63	0.5	-	10.5	12.7
Folkestone	c	cbc	51	65	-	-	9.2	12.3
Dover	bc	bc	53	61	-	-	9.8	12.6
Tunbridge Wells ...	opocb	bcb	48	64	2	Trace	10.9	9.8
Ramsgate	bc	bc	51	65	-	-	10.4	10.3
Margate	bc	bc	51	66	-	-	10.1	10.9
Deal	bbcb	bbcb	51	65	0.5	-	11.0	12.1

TERMS OF SUBSCRIPTION.—8/6 per quarter or 26/- 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. B24330 Tuesday, 3rd July 1928.

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	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1000.3	-2	E	2	odd	51	97	6	800	St	10	-	10	•
Stornoway	992.7	-5	S	4	o|r	53	97	6	2500	Nb	10	-	10	•
Wick	1000.2	-1	SSE	2	c|r	53	85	8	1500	Nb	6	ASt	10	•
Tiree	998.2	+1	W'S	6	cjp	52	97	6	1500	CuNb	8	-	8	1
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1002.9	-2	SSW	4	c	60	55	7	4000	Cu	8	-	8	1
Malin Head	1003.7	+4	SW	7	c	54	97	7	4000	StCu	9	-	9	•
Renfrew	1004.9	-2	SW	6	c	57	65	7	5700	StCu	10	-	10	1
Edinburgh (Inchkeith)	1003.1	-2	SW	7	bc	59	55	8	4000	Cu	4	-	4	•
Leuchars	1003.6	-3	SW	6	bc	63	55	8	2500	CuNb	6	-	6	1
Eskdalemuir	1007.8	0	SW	7	c	56	65	7	2500	Cu	8	-	8	2
Tynemouth	1008.8	0	SW	7	bc	64	45	8	1500	Cu	4	-	4	•
Blacksod Point	1010.4	+4	W	5	bc	57	75	7	•	CuNb	7	-	7	•
Donaghadee	1008.6	-1	WSW	6	bc-	61	55	8	4000	StCu	6	-	6	•
Birr Castle	1012.4	•	WSW	4	bc	60	65	8	2500	CuNb	7	-	7	•
Holyhead	1012.8	+1	SSW	5	b	59	85	8	2500	Cu	1	CiCu	1	1
Liverpool (Bidston)	1013.0	+1	WSW	5	b	63	55	8	4000	Cu	2	ACu	2	•
Chester (Sealand)	1013.2	0	SW'W	4	bcv-	66	55	9	1500	Cu	5	ACu	6	1
Harrogate	1012.0	+1	SW	4	bc	62	65	7	4000	Cu	6	-	6	•
Spurn Head	1012.1	-1	SW'W	6	c	65	75	7	4000	Cu	6	CiCu	9	•
Birmingham (Edgbaston)	1016.2	+1	SW	4	cd₀	60	85	8	1500	Nb	9	-	9	1
Cranwell	1014.2	0	WSW	5	c	69	65	7	1500	Cu	7	ACu	8	0
Gorleston	1016.0	0	WSW	4	bc	70	65	7	4000	Cu	5	-	5	•
Valentia (Cahirciveen)	1016.6	+2	SW'W	4	bc	59	75	8	1500	Cu	3	ACu	5	0
Roches Point	1015.9	+1	W	3	bcv	60	85	9	2500	Cu	6	-	6	•
Pembroke (St. Ann's H.)	1016.0	+1	SW'W	4	bc-	58	85	7	1500	Cu	5	-	5	•
Ross-on-Wye	1015.4	0	SW	3	c	62	85	8	2500	Nb	10	-	10	1
Leafield	1016.4	0	S'W	3	cv	62	85	9	4000	StCu	10	-	10	0
Winchester (Worthy Dn.)	1017.8	0	SSW	4	c	64	75	8	1600	StCu	8	-	8	0
S. Farnborough	1017.7	0	SW	4	c	67	65	7	1500	StCu	9	-	9	0
London (Kew Obsy.)	1017.7	-1	SW	4	c+	68	65	8	2500	StCu	9	-	9	0
Croydon	1018.1	0	SW	4	c+	67	65	8	4000	StCu	9	-	9	0
Shoeburyness	1017.6	-1	WSW	5	b	71	75	8	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1017.4	-2	S'W	4	b	70	65	8	4000	Cu	1	-	1	0
Lympne	1019.0	-1	SSW	5	bc	63	75	8	1500	Cu	3	-	3	0
Scilly (St. Mary's)	1019.0	0	W	4	odd	58	85	2	450	St	10	-	10	•
Falmouth (Pendennis)	1018.5	0	WSW	5	c+	62	85	7	1500	Nb	7	ASt	9	•
Plymouth (Cattewater)	1018.4	0	SW	4	c	61	85	6	450	St	10	-	10	0
Portland Bill	1018.4	0	SSW	4	c	59	92	6	1500	St	9	-	9	•
Southampton (Calshot)	1018.8	-1	SW	4	c	66	75	8	800	StCu	9	-	9	0
Dungeness	1019.5	0	WSW	4	bc	63	85	8	2500	Cu	3	-	3	•
Guernsey (Fort George)	1020.6	0	SW	3	bv	63	85	9	2500	Cu	2	-	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	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	999.0	-2	S	2	ifo	50	97	3	450	St	10	-	10	•
Stornoway	995.8	+8	NW	4	c	55	85	6	2500	Nb	9	-	9	3
Wick	995.3	-3	SW	2	c	53	92	8	1500	CuNb	7	ASt	10	0
Tiree	1003.7	-1	W'N	5	c	54	85	7	1500	CuNb	8	-	8	6
Nairn	996.2	•	WSW	6	bc	59	75	8	1500	Cu	6	-	6	•
Aberdeen	999.7	-3	SSW	5	bc-	59	75	8	2500	Cu	6	ACu	7	4
Malin Head	1008.5	+4	W	7	cjp	54	85	7	4000	CuNb	8	-	8	6
Renfrew	1006.4	+2	SW	5	or₀	53	85	6	1500	St	10	-	10	•
Edinburgh (Inchkeith)	1003.5	0	SW	7	bc	55	85	8	5700	StCu	2	ACu	5	5
Leuchars	1003.1	-1	SW	7	c+	56	75	8	2500	StCu	8	-	8	•
Eskdalemuir	1008.4	+1	SW	6	c|pr₀	54	75	7	2500	StCu	9	-	9	•
Tynemouth	1008.4	0	WSW	6	bc	62	45	8	1500	Cu	3	-	3	1
Blacksod Point	1013.4	+2	W	4	bc	56	75	8	•	Cu	6	-	6	5
Donaghadee	1011.1	+4	W	6	bc	60	65	8	4000	Cu	6	-	6	4
Birr Castle	1013.9	•	SW	3	bc	60	65	7	2500	Cu	4	ACu	7	•
Holyhead	1013.6	+1	SW'W	4	c+	57	85	7	4000	StCu	2	ACu	8	1
Liverpool (Bidston)	1013.9	0	SW	4	bc	63	65	8	2500	Cu	3	CiCu	5	•
Chester (Sealand)	1013.8	0	~~SW~~ SW'W	4	bcv-	63	55	9	2500	Cu	5	-	5	•
Harrogate	1012.3	0	SW	5	bv	60	45	9	4000	Cu	2	-	2	•
Spurn Head	1011.8	0	WSW	5	bc-	65	65	7	4000	Cu	4	CiCu	7	2
Birmingham (Edgbaston)	1014.8	0	WSW	3	bc	65	65	8	4000	Cu	5	Ci	6	•
Cranwell	1014.0	0	W'S	4	bc	65	75	7	2500	Cu	7	-	7	•
Gorleston	1014.4	0	SW'W	4	bc+	71	85	7	4000	Cu	6	-	6	1
Valentia (Cahirciveen)	1017.0	0	WSW	3	bc	58	75	8	1500	Cu	3	ACu	5	1
Roches Point	1016.4	+1	SW	3	c	57	92	8	2500	StCu	9	-	9	4
Pembroke (St. Ann's H.)	1016.2	0	WSW	3	bc+	57	85	8	2500	StCu	4	CiCu	7	3
Ross-on-Wye	1015.3	0	WSW	3	b	64	65	8	4000	Cu	1	Ci	2	•
Leafield	1015.9	0	SW	3	~~[illegible]~~ b	63	75	8	4000	Cu	1	-	1	•
Winchester (Worthy Dn.)	1017.0	-1	SSW	3	c	65	75	8	2500	StCu	9	-	9	•
S. Farnborough	1016.9	-1	SW	3	c	66	75	8	2500	StCu	9	-	9	•
London (Kew Obsy.)	1016.6	-1	SW	3	bc	68	65	8	2500	StCu	4	-	4	•
Croydon	1017.0	-1	SW'S	3	c-	65	75	8	2500	StCu	8	-	8	•
Shoeburyness	1016.8	-1	SW	4	b-	67	85	8	-	-	0	ACu	1	•
Clacton-on-Sea	1016.5	0	SW	4	c	67	65	7	5700	StCu	8	-	8	2
Felixstowe	1016.4	-1	SW'S	4	bc-	69	75	8	2500	StCu	3	-	3	3
Lympne	1018.2	-1	SW	3	b-	62	75	8	2500	Cu	2	-	2	•
Scilly (St. Mary's)	1018.2	0	W'S	2	bc-	59	85	7	4000	Cu	2	ACu	7	1
Falmouth (Pendennis)	1018.3	0	NW'W	1	c-	61	85	8	4000	StCu	6	CiSt	8	0
Plymouth (Cattewater)	1013.0	0	WSW	4	o|d	57	97	6	220	St	10	-	10	0
Portland Bill	1017.8	-1	SW'S	4	bc-	59	92	6	1500	St	3	ACu	6	4
Southampton (Calshot)	1017.6	-1	SW'W	6	bc|p	63	75	7	1500	St	6	-	6	3
Dungeness	1018.2	-2	W	3	bc	61	85	8	2500	Cu	3	-	3	3
Guernsey (Fort George)	1019.7	-2	W	2	bv	63	75	9	-	-	0	Ci	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 (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.	Humidity 13h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day	Visibility 9h
Kew	16	cbcc	bc	bacbbd	70	52	42	-	-	5.1	•	•	7
Croydon	244	cbbcc	c	bcbcbc	69	52	46	-	-	8.6	•	•	5
Greenwich (Royal Obsy.)	149	cb	bc	cbcbc	76	50	37	-	-	7.8	66	59	5
City (Bunhill Row)	89	•	•	•	•	•	•	•	•	7.5	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	69	53	46	-	-	7.1	67	54	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	5.8	•	•	•
Camden Square	110	cba	c	•	72	53	-	-	-	•	•	61	•
Kensington Palace	80	o	bcb	•	71	52	48	-	-	•	(At 18h) 39	54	•
Hampstead Observatory	450	•	•	•	68	49	38	Tr.	-	4.0	•	67	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time	Min.	Time
Defective Record.			

Kew Observatory

Max.	Time.	Min.	Time.
<0.1 Throughout			

POLE STAR RECORD at Greenwich Obsy.

Exposure from 2nd 21 h. 45 m. to 3rd 2 h. 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	4.30	3.49	88
δ Ursae Minoris	4.30	3.39	81

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.

3rd and 4th July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.37 / 3.38	11.57 / 11.57	20.17 / 20.16
Greenwich	3.50 / 3.51	12.04 / 12.04	20.17 / 20.17
Wick	3.15 / 3.16	12.16 / 12.17	21.17 / 21.17
Valentia	4.29 / 4.30	12.45 / 12.45	21.01 / 21.00

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.

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.

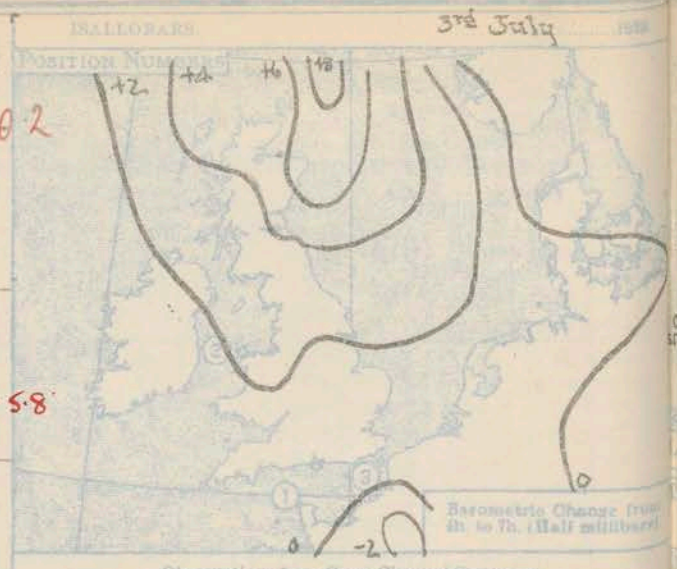
Code	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 miles.	

† 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.

M.O. Form 2370.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-18h. 2nd.	Weather. 18h.-18h. 2nd.	Weather. 18h. 2nd to 1h. 3rd	Weather. 1h.-7h. 3rd	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 2nd. Hours.
Lerwick	coirdm	oir.bcif	or.r.	orrc	55	47	•	0.2	<8.00	4	21.00	2.2
Stornoway	r.a	r.d	p	p	57	48	•	6	<8.00	0.5	1.30	2.3
Wick	cir.	cir.c	cror.fbc	cid.c	54	48	•	0.5	<8.00	5	21.00	•
Tiree	rro	cbcc	cpr	o	57	49	47	4	<8.00	0.1	21.00	4.2
Nairn	bcq	~~bc cpf~~ bcpq	bcq	bcd	63	50	•	0.6	15.30	Tr	5.30	8.3
Aberdeen	bcc	c	bc	bcc	62	52	48	-	-	-	-	7.1
Malin Head	c	c	cpr.bapr.	bcpr.	56	49	•	-	-	0.4	21.00	2.6
Renfrew	bccq	cq.or.	or.r.bcq	cm.	59	49	46	0.2	14.30	0.2	21.00	3.6
Edinburgh (Inchkeith)	b-bc	b-bc	bcq	c	61	50	48	-	-	-	-	8.6
Leuchars	cbc	bcq	cqbcq	bccbc	63	48	46	-	5	-	-	8.6
Sekdalemuir	c	cepr.	apr.c	cbc	57	47	45	Trace	18.30	2	21.00	~~2.4~~ 5.8
Tynemouth	bcq	bcq	bcq	bcq	65	51	46	-	-	-	-	•
Blacksod Point ...	c(r.)	c(r.)	cb	pbc	58	47	•	0.2	•	0.2	•	•
Donaghadee	bcq	bcq	bc	bc	63	46	•	-	-	-	-	•
Birr Castle	bc	bc	bc	c	61	43	34	-	-	-	-	
Holyhead	cbcb	bbc	cbc	bc	61	52	48	-	-	-	-	9.1
Liverpool (Bidston) ...	cbcby	bbcy	bcc	cw	64	52	49	-	-	-	-	7.8
Chester (Sealand) ...	c	bcyv	bc	bccm.	67	52	48	-	-	-	-	8.5
Harrogate	cbc	bcbq.v	b	bbcc	64	49	46	-	-	-	-	11.6
Spurn Head	c	cbc	bc	bcc	69	53	•	-	-	-	-	6.8
Birmingham (Edgbaston)	cd.	cr.bc	bcc	oc	67	51	45	0.1	<8.00	-	-	3.3
Cranwell	c	cpc	bc	cp.	70	50	47	0.3	13.30	Tr.	5.30	8.5
Gorleston	cbcq	bcq	bcb	b	74	52	50	-	-	-	-	9.0
Valentia (Cahirciveen)	bcb	bcc	bc	bcp	59	47	43	-	-	0.6	5.30	13.2
Roches Point	bcpbcv	bcc	cvbcw	bw	62	45	•	Trace	11.00	Tr.	-	•
Pembroke (St. Ann's H.)	ocddm	bc	bccp.	c	58	52	•	Trace	<8.00	Tr.	21.00	7.0
Ross-on-Wye	oid	cb	bbcc	cod.a	66	51	45	0.1	<8.00	0.1	3.30	3.6
Leafield	cd.c	cdbc	bc	bc	64	45	37	0.1	11.00	-	-	4.5
Winchester (Wertly Dn.)	c	c	cbc	bcbbc	66	46	37	-	-	-	-	4.1
S. Farnborough ...	cbcc	c	cbc	bcbwbc	68	46		-	-	-	-	4.8
London (Kew Obsy.) ...	cbcc	bc	bcc	bbc	70	52	42	-	-			5.1
Croydon	cbbcc	c	bcw	bcbmw	69	52	46	-	-	-	-	8.6
Shoeburyness	b	bbcb	b	bcw	74	52	48	-	-	-	-	12.6
Clacton-on-Sea ...	bcb	bbcc	cbc	bcw	68	54	51	-	-	-	-	10.4
Felixstowe	cbcb	bc	bcw	bcw	72	54	53	-	-	-	-	11.5
Lympne	bcbbc	bcb	bcfw	ofddom	65	50	43	-	-	Tr	2.30	14.6
Scilly (St. Mary's) ...	ofid.	odcbc	bcc	corr	61	52	•	Trace	<8.00	3	2.30	1.4
Falmouth (Pendennis)	odbc	cmd.	c	cr.	63	53	•	0.1	<8.00	Tr.	3.30	~~1~~ 1.7
Plymouth (Cattewater)	od.mc	com.d.	om.b	bwc	62	52	43	Trace	<8.00	-	-	0.0
Portland Bill	c3.	cbc3.	bcbw	c	60	54	•	-	-	-	-	•
Southampton (Calshot)	c	bcjp	cmbcw	cwbc	69	52	44	-	-	Tr	-	6.8
Dungeness	btc	bc	bc	bccoffo	63	56	•	-	-	-	-	•
Guernsey	bcbv	bv	bcwbc	bccoffo	65	54	•	-	-	Tr	-	14.7



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Pressure.
2	2nd 10h	Scotia	S	5	bc	59	53	?
3	3rd 1h	Brighton	NW	1	ffb	55	57	3

GENERAL INFERENCE.

A shallow depression over Spain and S.W. France is moving north-eastwards, and an anticyclone over the Azores is extending its influence over the N.W. part of the British Isles. Some rain is probable in Southern England, but elsewhere weather will be mainly fine.

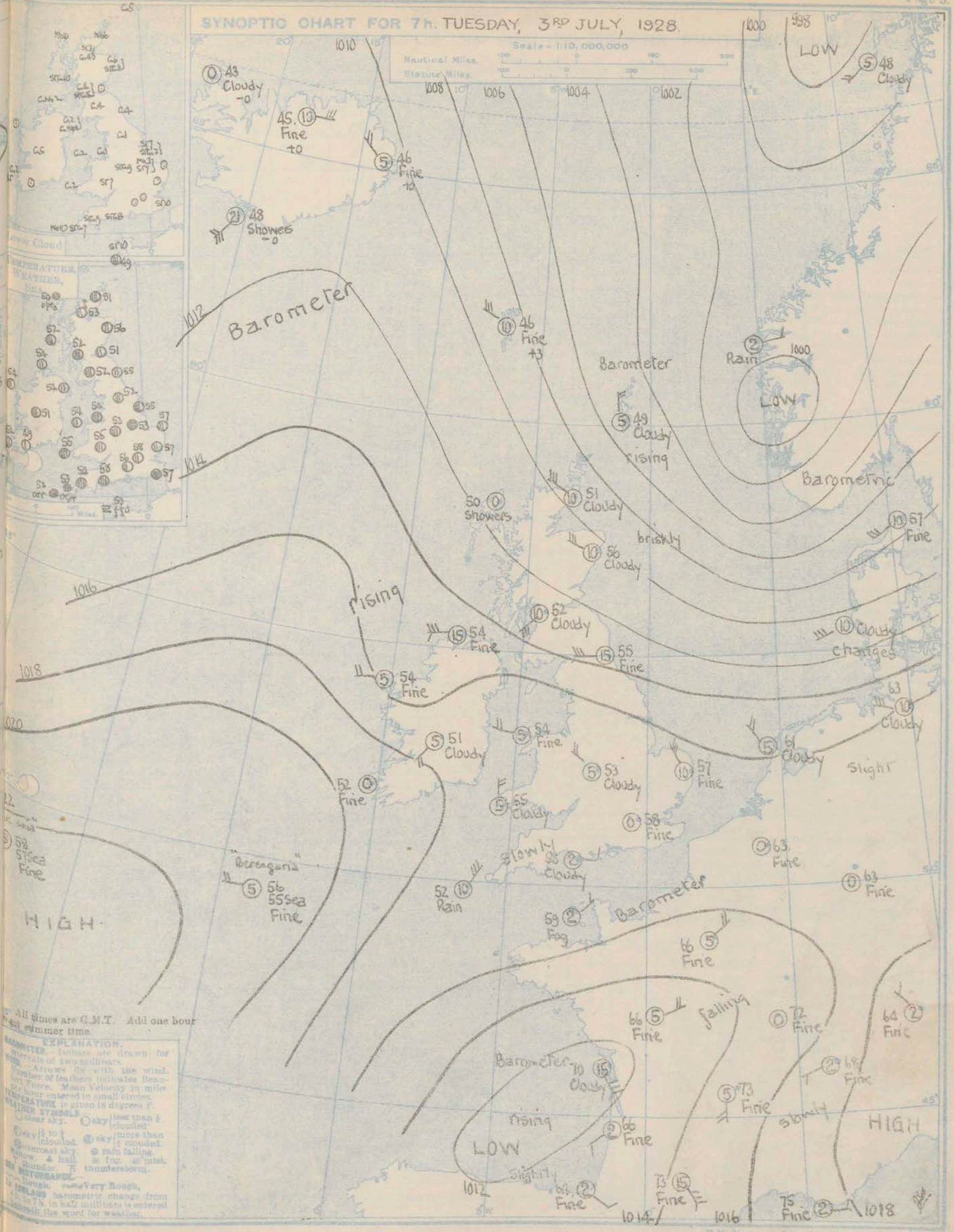
Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Tuesday, 3rd July, 1928.	Further Outlook.
1. S.E. England 2. E. England	Wind N.E., light or moderate; mainly cloudy, some rain, perhaps local thunder; moderate temperature.	
3. E. Midlands 4. W. Midlands	Wind variable or N.E., light; variable sky, local rain; moderate temperature.	None issued.
5. S.W. England 6. South Wales	Wind N.E. to N., light or moderate; cloudy, some rain; probably improving later; moderate to rather low temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind variable, light; mainly fair but local showers; moderate temperature.	
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 W. to N.W., light or moderate, becoming variable, light; considerable bright periods; but local showers; temperature rising somewhat.	clear

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. TUESDAY, 3RD JULY, 1928.



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

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. ▲ hail. ≡ fog. ≡ mist. ⚡ thunder. ⚡ thunderstorm.

SEA DISTURBANCE. – Slight, Rough, Very Rough.

IN ENGLAND barometric change from 4 p.m. to 7 p.m. in half millibars is entered beneath the word for weather.

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Tuesday, 3rd July 1928. No. 185

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	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	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	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	54	1000·1	+2	N	3	orr	50	97	7	4000	Nb.	10	-	10	1003·4	+9	N	2	c	49	85	8	4000	Cu.	5	A.St.	8	*
Stornoway	30	1008·?	+6	NW	2	c	*	*	6	*	*	*	*	9	1011·3	+4	-	0	o/pr₀	50	92	7	2500	Nb.	10	-	10	0
Wick	81	1003·2	+7	NW	3	c	50	97	8	1500	Nb.	6	Ci.St.	8	1003·4	+5	NW	3	c	51	~~85~~ 92	8	1500	Nb.	6	Ci.St.	8	0
Tiree	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1012·8	+2	W	3	c	52	85	7	1500	St.Cu.	10	-	10	2
Nairn	52	*	*	*	*	*	*	*	*	*	*	*	*	*	1010·6	*	-	0	bc+	53	85	8	1500	Cu.	7	-	7	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*	1010·5	+6	WNW	3	bc	56	75	8	2500	Cu.	7	-	7	0
Malin Head	31	1012·8	+2	WNW	5	bcjp	51	92	8	4000	Cu.Nb.	2	A.Cu.	3	1014·7	+2	W	4	bcjp	54	85	8	4000	Cu.Nb.	2	A.Cu.	3	4
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*	1013·7	+3	SW	3	c	52	85	6	2500	St.Cu.	9	-	9	*
Edinburgh (Inchkeith)	190	1006·9	+3	WSW	7	bc-	52	85	8	4000	Cu.	2	A.Cu.	3	1011·4	+4	WSW	5	bc	51	85	7	1500	St.	3	A.Cu.	7	3
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1011·5	+4	~~W~~ WSW	5	bc-	56	75	8	4000	St.Cu.	4	A.Cu.	5	*
Eskdalemuir	724	*	*	*	*	*	*	*	*	*	*	*	*	*	1013·5	+3	SW'W	4	bc	51	75	7	2500	Cu.	4	Ci.	6	*
Tynemouth	67	1010·3	+3	WSW	4	bc+	55	65	7	1500	Cu.	6	-	6	1013·8	+3	W	4	bc	55	65	7	1500	Cu.	4	Ci.	5	1
Blacksod Point ...	18	1014·7	+1	-	0	bc	51	92	7	*	Cu.	4	-	4	1015·7	+1	W	2	bc	54	85	8	*	-	0	A.Cu.	5	1
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1016·2	+2	WNW	3	bc-	54	75	8	4000	Cu.	4	-	4	2
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	1016·6	*	SW	2	c+	51	97	7	4000	Cu.	5	A.Cu.	8	*
Holyhead	28	1015·4	+1	W'N	4	bc+	55 [53]	85	8	5700	St.Cu.	1	A.Cu.	7	1016·8	+3	W'N	2	bc	54	85	7	2500	Cu.	2	Ci.	7	0
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·2	+3	W	2	c-	54	85	8	4000	Cu.	1	Ci.St.	9	*
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1016·6	+3	W	2	c⊕	55	75	7	1500	Cu.	3	Ci.St.	8	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	1016·1	+2	SW	3	c	52	~~92~~ 75	8	4000	Cu.	1	Ci.St.	8	*
Spurn Head	39	1013·9	0	WSW	4	bc	55	85	7	5700	St.Cu.	4	Ci.St.	5	1015·4	+2	W'N	4	c+	55	85	6	4000	St.	10	-	10	*
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·3	+1	NW	2	c-	53	85	6	4000	St.Cu.	9	-	9	*
Cranwell	236	1015·7	+1	SW'W	3	bc	51	85	6	4000	St.Cu.	1	Ci.	7	1017·1 [2]	+1	W'S	1	o/r	53	92	6	1500	St.	10	-	10	*
Gorleston	14	1015·4	0	W'N	2	b	60	85	7	-	-	0	Ci.	1	1016·4	+1	NNW	3	bc+	57	75	7	-	-	0	Ci.Cu.	4	0
Valentia (Cahirciveen) F	30	1018·2	+1	W	3	vb-	53	92	9	*	Cu.	2	-	2	1018·4	+1	-	0	bc	52	92	8	1500	St.Cu.	5	-	5	0
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1018·2	+1	NW	1	b	49	97	8	-	-	0	Ci.	1	0
Pembroke (St. Ann's H.)	160	1016·9	+1	WSW	3	c	55	85	8	1500	St.Cu.	9	-	9	1017·56	0	N	2	c	55	85	8	1500	Cu.	2	A.Cu.	9	1
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1016·9	0	W	1	c	55	85	7	2500	St.	7	A.St.	10	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·1	+1	NWN	2	c	53	85	8	5700	St.Cu.	7	A.St.	10	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·2	0	N'W	1	c+	55	85	7	4000	St.Cu.	1	Ci.St.	9	*
S. Farnborough ...	230	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·2	+1	WNW	1	bc+	56	75	8	-	-	0	Ci.St.	6	*
London (Kew Obsy.) ...	18	*	*	*	*	*	59	*	*	*	*	*	*	*	1017·5	~~+1~~ +2		0	bc+	58	75	6	-	-	0	Ci.	6	*
Croydon	244	1017·3	0	W'S	2	bc+	57	97	7	2500	St.Cu.	1	Ci.	6	1017·3	0	NW	1	bc+	59	65	6	-	-	0	Ci.	7	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·6	+1	NW	1	bc	57	92	7	4000	St.Cu.	4	A.Cu.	5	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·2	+2	NW	2	bc	57	85	7	-	-	0	A.Cu.	4	1
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·4	+1	N	3	bc	60	75.	8	-	-	0	Ci.	3	1
Lympne	350	1017·1	0	WSW	2	Fbc	52	97	1	-	-	0	Ci.	4	1017·7	+1	NW	2	o/f	56	97	5	1500	St.	10	-	10	*
Scilly (St. Mary's) ...	163	1019·0	0	-	0	c	53	92	8	4000	St.Cu.	8	-	8	~~1017·6~~ 1018·6	0	NE	3	orr	52	97	7	4000	Nb.	10	-	10	2
Falmouth (Pendennis)	200	1018·5	0	-	0	c	54	97	7	4000	St.Cu.	10	-	10	1017·9	0	NE'N	3	cr₀+	53	92	8	4000	St.Cu.	7	A.St.	9	[illegible]
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·7	+1	NW	2	c	54	85	8	5700	St.Cu.	9	A.St.	10	0
Portland Bill	32	1017·3	0	W	1	c⊕	56	97	8	1500	St.	6	Ci.St.	10	1017·0	0	E	1	c	58	85	8	4000	St.Cu.	8	A.St.	9	1
Southampton (Calshot)	10	1017·8	-1	WNW	2	c	57	97	7	800	St.	6	A.Cu.	8	1017·4	0	NW	1	bc	57	75	7	4000	St.Cu.	3	Ci.	6	[illegible]
Dungeness	20	1018·1	-1	WSW	2	bc	57	97	8	2500	Cu.	3	Ci.	4	1017·5	+1	NE	1	o/f.	57	97	7	450	St.	10	-	10	[illegible]
Guernsey (Fort George) F	295	1018·0	-2	-	0	bc	55	97	6	-	-	0	A.St.	4	1017·8	0	NE	1	ff₀	59	97	3	220	St.	10	-	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2nd July 1928.

Stations (1)	Weather Fore-noon (2)	Weather After-noon (3)	Temperature Min. 9h.-1st to 9h. 2nd (4) °F	Temperature Max. 9h.-17h. 2nd (5) °F	Rainfall† Night 17h.-9h. 1st-2nd (6) mm.	Rainfall† Day 9h.-17h. 2nd (7) mm.	Sunshine Sunrise to 17h. 2nd (8) hr.	Sunshine Sunrise to Sunset 1st (9) hr.
Berwick-on-Tweed	c	c	52	62	2	-	11·5	0·1
Douglas (I. o. M.) ...	b,c	b,c	51	64	12	-	8·1	0·9
Llandudno ...	cbc	bc	54	63	2	-	6·7	1·4
Colwyn Bay ...	b	b	51	66	0·3	-	7·7	0·8
Rhyl... ...	becbc	bc	56	64	0·4	-	8·2	1·7
Wallasey ...	becb	bbcb	55	66	1	-	5·5	0·6
Southport ...	ocd'bc	cbcb	*53	65	3	-	5·6	1·1
Blackpool ...	coc	cbc	54	63	5	-	7·0	1·1
Ilkley ...	b	b	53	65	1	-	9·7	2·4
Cleethorpes...	c	c	56	70	0·3	-	3·0	4·5
Skegness ...	cbc0	0cbc	55	70	-	-	3·5	4·7
Aberystwyth ...	prbc	bbc	55	60	2	-	6·3	0·3
Bath ...	cp₀	cd	57	65	-	1	1·6	7·8
Cheltenham‡ ...	o	bcb	56	66	-	-	2·0	4·3
Leamington Spa ...	c	cb	54	68	-	-	1·3	4·2
Lowestoft ...	b	b	54	72	-	-	7·6	7·3
Felixstowe ...								
Harwich & Dovercourt	bc	bc	52	73	-	-	9·7	7·9
Maldon ...	bbc	bcc	51	73	-	-	10·1	6·1
Southend ...	b	bbc	53	73	-	-	9·9	5·5

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe ...	odd	ocbc	55	60	2	1	2·9	5·8
Bude ...	dd	c,bc	54	61	1	1	2·8	5·0
Penzance ...	o	odcb	56	64	1	0·2	0·8	9·8
Paignton ...	odm	odpcbc	56	67	Trace	Trace	5·4	10·0
Torquay ...	opqm	odp₀bc	57	68	Trace	Trace	5·1	12·7
Jersey ...	b	b	52	68	-	-	12·5	13·[illegible]
Weymouth ...	c	c	56	65	-	-	0·7	11·4
Bournemouth	o	obc	55	65	-	-	2·5	11·0
Ventnor ...	c	c	54	59	-	-	1·5	11·3
Portsmouth (S'thsea)	ocbc	b	54	68	-	-	6·3	11·7
Bognor ...	becbc	bc	56	63	-	-	5·6	12·3
Littlehampton ...	bc	bc	57	62	-	-	5·9	12·5
Worthing ...	c	cbc	56	64	-	-	5·0	13·2
Brighton ...	cbc	cbbc	57	62	-	-	3·1	12·1
Eastbourne‡ ...	b	bbcc	55	64	-	-	11·5	11·5
Hastings‡ ...	bcb	bbcb	55	65	-	-	12·0	12·8
Folkestone ...	b	b	54	66	-	-	11·7	11·6
Dover ...	b	b	56	63	-	-	11·4	11·9
Tunbridge Wells ...	bcb	bcb	51	66	-	-	10·9	12·8
Ramsgate ...	bc	bc	55	69	-	-	12·0	12·7
Margate ...	b	bbc	52	71	-	-	12·1	12·0
Deal ...	b	b	53	69	-	-	11·9	13·0

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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 21h.-17h., the minimum for the period 21h.-9h. ✣ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B24331 Wednesday 4th July 1928.

Observations at 13h. 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	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1009.6	+5	NW	2	c	51	65	8	4000	Cu	9	–	9	•
Stornoway	1012.4	+1	NW	1	o	53	85	7	2500	Nb	10	–	10	•
Wick	1012.1	+4	NNW	1	c	53	75	8	1500	Nb	8	CiSt	10	•
Tiree	1014.5	+1	W'N	3	bc+	54	85	8	1500	StCu	7	–	7	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1012.6	+2	SE	2	co	53	92	5	1500	Nb	10	–	10	1
Malin Head	1015.4	+1	W	4	bc	56	85	8	4000	Cu	3	CiCu	5	•
Renfrew	1014.4	+1	W'S	3	cr	54	85	7	4000	CuNb	8	–	8	1
Edinburgh (Inchkeith)	1012.6	+2	WSW	3	e	55	75	8	5700	StCu	6	ACu	8	•
Leuchars	1012.4	0	NNW	3	bc	62	55	8	4000	CuNb	7	–	7	0
Eskdalemuir	1014.1	+1	W'N	2	co	54	65	7	2500	Cu	9	–	9	2
Tynemouth	1013.8	+1	W	2	bc	65	45	7	1500	Cu	4	CiSt	6	•
Blacksod Point	1016.8	+2	W	2	bc	58	75	9	•	Cu	5	–	5	•
Donaghadee	1016.8	0	WNW	1	c+	56	75	8	2500	StCu	8	–	8	•
Birr Castle	1016.2	•	WSW	2	bc–	60	65	7	1500	Cu	7	–	7	•
Holyhead	1016.8	–1	W	1	bc	59	65	8	2500	Cu	1	CiSt	5	1
Liverpool (Bidston)	1016.7	–2	WNW	2	bc+	59	65	9	4000	Cu	1	Ci	7	•
Chester (Sealand)	1016.1	–2	NW'N	4	bc–	61	55	8	2500	Cu	2	CiCu	7	1
Harrogate	1015.3	0	SW'W	3	bc	61	55	9	4000	Cu	5	CiCu	6	•
Spurn Head	1015.3	0	NW	3	c	62	65	6	4000	Cu	8	–	8	•
Birmingham (Edgbaston)	1016.5	–2	SE	2	c+	59	75	6	4000	StCu	9	–	9	1
Cranwell	1016.9	0	W'N	2	c	64	55	7	4000	Cu	3	CiSt	9	0
Gorleston	1015.6	–1	NE'N	3	c+	64	75	6	4000	StCu	9	–	9	•
Valentia (Cahirciveen)	1018.4	0	W'S	3	c	58	75	8	1500	StCu	8	–	8	0
Roches Point	1018.1	0	SW	2	e	57	92	8	1500	CuNb	9	–	9	•
Pembroke (St. Ann's H.)	1016.6	–1	WSW	3	bc–	58	75	8	2500	Cu	2	CiSt	5	•
Ross-on-Wye	1015.9	–3	WNW	2	c	63	55	8	4000	Cu	3	ASt	9	5
Leafield	1016.1	–2	W	1	c/r	60	65	8	4000	StCu	7	ASt	10	5
Winchester (Worthy Dn.)	1015.6	–2	N	2	c	64	65	8	5700	StCu	7	ASt	10	0
S. Farnborough	1015.5	–3	NW	1	c	67	55	8	5700	StCu	1	ASt	10	0
London (Kew Obsy.)	1015.3	–3	N	2	c	67	55	8	2500	StCu	2	ASt	10	0
Croydon	1015.3	–3	–	0	c+	68	55	6	5700	Cu	3	ASt	10	0
Shoeburyness	1015.8	–3	ESE	3	bc	66	85	8	–	–	0	CiCu	4	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1015.7	–3	E'S	3	bc	64	65	8	4600	Cu	3	ACu	7	0
Lympne	1014.9	–3	E	1	c	64	75	7	2500	StCu	8	ACu	9	0
Scilly (St. Mary's)	1018.1	0	NNE	2 Stet	c	55	85	9	4000	StCu	10	–	10	•
Falmouth (Pendennis)	1017.5	0	NE	1	cofo	54	92	7	2500	Nb	7	ASt	10	•
Plymouth (Cattewater)	1017.1	–2	NNW	3	cro	55	85	7	2500	Nb	8	ASt	10	1
Portland Bill	1016.2	–2	WNW	2	coro	60	85	6	1500	St	9	ASt	10	•
Southampton (Calshot)	1015.6	–2	N	1	c	68	45	8	5700	StCu	2	CiSt	8	0
Dungeness	1015.8	–2	ENE	2	c–	64	85	7	2500	StCu	5	ACu	8	•
Guernsey (Fort George)	1015.9	–2	N	2	c/f	58	85	7	1500	St	7	ASt	10	•

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	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1010.9	0	NW	2	c	49	75	8	4000	Cu	5	ASt	10	•
Stornoway	1013.0	+1	NNW	2	c	53	85	8	4000	CuNb	8	–	8	1
Wick	1013.2	+1	ESE	1	cro	49	92	8	1500	Nb	8	CiSt	10	0
Tiree	1014.6	+1	NW	3	bc–	55	85	8	2500	Cu	4	Ci	5	1
Nairn	1013.2	•	–	0	c/r	53	92	7	1500	CuNb	9	–	9	•
Aberdeen	1013.1	0	ENE	2	coro	51	92	7	1500	Nb	9	ASt	10	0
Malin Head	1015.4	0	WNW	3	bc	54	85	8	4000	Cu	5	ACu	5	1
Renfrew	1014.1	–1	WNW	3	c	56	75	8	4000	Cu	3	Ci	9	•
Edinburgh (Inchkeith)	1011.6	–1	WSW	3	e/p	54	65	8	2500	Nb	8	–	8	2
Leuchars	1012.7	0	NW	3	c/pro	55	75	8	4000	CuNb	8	–	8	•
Eskdalemuir	1013.7	–1	W'S	3	bc	55	55	8	4000	StCu	7	–	7	•
Tynemouth	1012.9	–1	W	2	bc	62	55	7	1500	Cu	4	Ci	6	1
Blacksod Point	1016.3	0	–	0	bc	57	65	9	•	Cu	4	–	4	1
Donaghadee	1016.8	0	WNW	1	bc/pro	53	85	8	2500	CuNb	7	–	7	1
Birr Castle	1016.1	•	W	2	bc	60	75	7	4000	Cu	6	– St	6	•
Holyhead	1015.9	+1	W'S	3	bc	57	65	9	7200	StCu	3	Ci~~Cu~~	4	0
Liverpool (Bidston)	1015.8	–1	NW	1	c	57	65	9	–	–	0	CiSt	9	•
Chester (Sealand)	1015.4	–1	WNW	3	c ⊕	59	55	8	4000	StCu	1	CiSt	8	•
Harrogate	1014.5	–1	SW'W	3	bc	60	55	9	4000	Cu	4	Ci	7	•
Spurn Head	1013.8	–1	SE'E	3	c	57	85	6	4000	CuNb	8	–	8	1
Birmingham (Edgbaston)	1015.1	–1	–	0	c	60	75	8	2500	CuNb	6	ASt	9	•
Cranwell	1015.5	–1	W'N	2	c	63	65	6	5700	StCu	4	ASt	10	•
Gorleston	1014.6	–2	ENE	3	c/r	57	75	7	2500	StCu	10	–	10	0
Valentia (Cahirciveen)	1018.3	0	W'S	2	b	58	65	8	2500	Cu	2	–	2	0
Roches Point	1017.7	0	W	3	c/r	55	92	8	1500	Nb	9	–	9	1
Pembroke (St. Ann's H.)	1016.4	–1	NW	2	bc	57	75	8	2500	Cu	1	CiCu	4	1
Ross-on-Wye	1014.9	–1	SW	2	c	58	85	6	4000	CuNb	2	ASt	10	•
Leafield	1015.3	–1	S'W	1	ofro	56	97	8	4000	St	10	–	10	•
Winchester (Worthy Dn.)	1015.0	0	NW'N	2	cfro	56	97	6	2500	St	10	–	10	•
S. Farnborough	1016.0	0	N	1X	crr	56	92	6	800	Nb	7	ASt	10	•
London (Kew Obsy.)	1015.2	0	N'E	2	crr	58	92	6	1500	Nb	8	ASt	10	•
Croydon	1014.6	+1	N'W	2	crr	59	85	5	1500	Nb	10	–	10	•
Shoeburyness	1014.4	–2	E	1	e	60	92	8	–	–	0	ACu	9	•
Clacton-on-Sea	1014.7	0	ENE	3	c	61	92	7	4000	CuNb	8	–	8	2
Felixstowe	1014.9	–1	NE	3	co	60	65	8	4000	StCu	10	–	10	0
Lympne	1014.0	0	NE'N	3	co	59	75	7	7200	StCu	6	ASt	9	•
Scilly (St. Mary's)	1017.5	0	NNW	4	b–	58	85	7	4000	Cu	2	–	2	1
Falmouth (Pendennis)	1017.3	0	NNW	3	c–	55	85	7	4000	StCu	9	–	9	0
Plymouth (Cattewater)	1016.7 (4)	–1	NNW	3	c	57	85	8	2500	Nb	9	ASt	10	0
Portland Bill	1015.0	–1	WSW	2	ofofo	56	92	6	1500	Nb	10	–	10	1
Southampton (Calshot)	1014.7	0	NNW	4	cfofo	59	85	7	2500	St	7	ASt	10	0
Dungeness	1014.1	0	ENE	2	c+	60	85	8	4000	StCu	3	ASt	10	1
Guernsey (Fort George)	1016.3	0	NNW	3	cd	55	85	7	800	Nb	9	–	9	1

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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	bcc	crr	crrcb	68	53	49	1	17	6.8	•	•	7
Croydon	244	bczy	cyrrm	cmRrb	70	53	51	1	13	•	•	•	6
Greenwich (Royal Obsy.)	149	czy	czdy	crRrobzy	73	53	49	Tr.	13	6.3	56	51	6
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	7.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	70	54	50		16	7.2	53	49	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	6.3	•	•	•
Camden Square	110	bc	cop	•	71	52	–	1	15	•	•	•	•
Kensington Palace	80	o	or	•	71	52	52	0.3	16	•	(At 18h) 82	56	•
Hampstead Observatory	450	•	•	•	68	59	42	10	10	7.5	•	68	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.
24 Hr. ended 7h. G.M.T. 4th

South Kensington

Max.	Time.	Min.	Time.
Defective Record.			

Kew Observatory

Max.	Time.	Min.	Time.
0.1	5h.45	0.01	13h.35

POLE STAR RECORD at Greenwich Obsy.
Exposure from 3rd 21h. 45m. to 4th 2h. 15m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	4.30	Nil	–
δ Ursae Minoris	4.30	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.
4th and 5th July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.38 3.39	11.57 11.57	20.16 20.16
Greenwich	3.51 3.52	12.04 12.04	20.17 20.18
Wick	3.16 3.17	12.17 12.17	21.17 21.16
Valentia	4.30 4.30	12.45 12.45	21.00 21.00

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_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:—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.

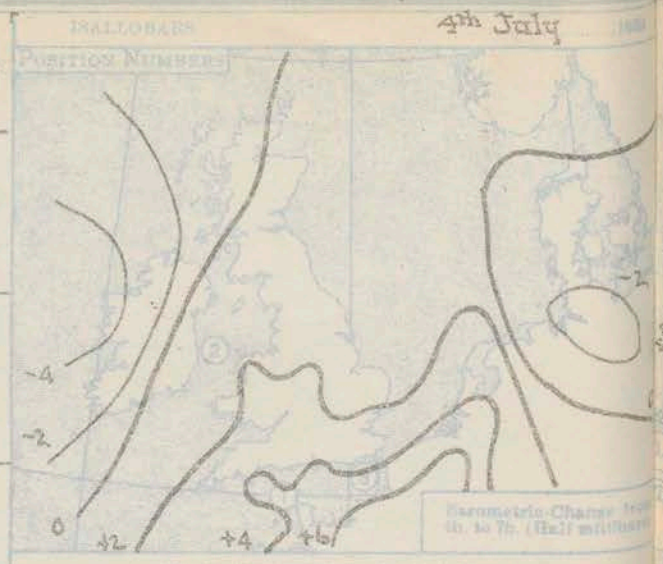
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	3½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† 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. 3rd	13h.-18h. 3rd	18h. 3rd to 18h. 4th	18h.-7h. 4th	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min on Grass	Rainfall.† Day. 7h.-18h. mm.	began.	Night. 18h.-7h. mm.	began.	Sun 3rd. Hours.
Lerwick	c	c	cbc	bc	53	43	•	–	–	–	–	0.7
Stornoway	p	c	c	c	55	43	•	0.5	<8.00	–	–	2.3
Wick	c	c7o	cir	cir c	54	46	•	0.1	16.30	1	21.00	•
Tiree	cobc	bc	bc	cbc	56	45	30	–	–	–	–	7.4
Nairn	bcRc	7rc	cpr	bc	59	47	•	12	11.00	2	21.00	1.0
Aberdeen	bcprcbm	c7r7o	crr	cir cir	59	48	47	3	9.00	3	21.00	2.8
Malin Head	bc	bc	bypwcbcc	bcw	57	44	•	–	–	–	–	12.3
Renfrew	cm cbcc	cbc	cbc	bcc	60	43	33	0.2	12.30	–	–	5.6
Edinburgh (Inchkeith)	bcc	p	cprbc	cbc	57	46	45	1	16.30	Tr.	21.00	7.7
Leuchars	cbcy	bcc pr	cbc	bcw	64	49	44	0.2	16.30	–	–	6.7
Eskdalemuir	bcprc	cprcbcy	bcybcb	bcw	60	40	34	0.5	11.00	–	–	6.8
Tynemouth	bcq	bc	bc	bc	66	46	44	–	–	–	–	•
Blacksod Point ...	bc	bcb	bc	c	58	47	•	–	–	–	•	•
Donaghadee	bcc	bcpr	prbc	bcw	60	44	•	0.6	14.30	0.3	21.00	•
Birr Castle	cbc	bc	bc	c	63	45	37	1	9.00	–	–	8.8
Holyhead	bc	bcv	bcvbcbw	bwbbc	62	52	48	–	–	–	–	13.9
Liverpool (Bidston) ...	cbcb	bcbbc	cbcbv	bw	59	49	45	–	–	–	–	12.7
Chester (Sealand) ...	c	bccy	bcb	bwb	62	44	34	–	–	–	–	10.4
Harrogate	cbbcv	bcv	bcb	bbc	63	45	40	–	–	–	–	10.4
Spurn Head	c	c	cbc	bc	65	51	•	–	–	–	–	5.9
Birmingham (Edgbaston)	bcc	c	cr	cbcb	61	45	32	–	–	0.1	21.00	0.1
Cranwell	c	cy	cbc	bcb	57	44	44	–	–	–	–	4.3
Gorleston	bcc	c7or	cor	orrbc	65	51	49	Tr.	15.30	3	21.00	5.3
Valentia (Cahirciveen)	bbcc	cbcb	bc	cir d	59	48	44	–	–	0.6	5.30	12.0
Roches Point	bbcc	cbcw	cirbc	bcc	58	45	•	2	15.30	2	21.00	•
Pembroke (St. Ann's H.)	cbc	bc	bc	bc	60	52	•	–	–	–	–	9.3
Ross-on-Wye	r7rc	cyc	cucbc	bw	64	42	35	1	<8.00	–	–	1.1
Leafield	cbcbc	c7r7	cbc	b	60	43	40	~~2~~ 1	<8.00	1	21.00	0.1
Winchester (Worthy Dn.)	c	c7r7m	orrc	bcb	66	45	43	1	13.30	2	21.00	4.1
S. Farnborough ...	bccy	cycrr	oRR	orrbm	70	49	42	2	13.30	10	21.00	6.2
London (Kew Obsy.) ...	bcc	c7rr	crr	crb	68	53	49	1	13.30	17	21.00	6.8
Croydon	bccy	cyrrm	cnomRr	anrbcbm	70	53	51	1	16.30	13	21.00	
Shoeburyness	bc	bcc	corrorr	orrbc	67	51	47	–	–	10	21.00	8.3
Clacton-on-Sea ...	bc	bcc	crc	corbc	66	52	51	–	–	10	21.00	8.9
Felixstowe	bcyc	bcc7	crRo	orrbcb	66	52	52	Tr.	17.30	9	21.00	8.3
Lympne	omc	cc7	cpr orr	orrmm	65	51	50	Tr.	17.30	4	24.00	2.7
Scilly (St. Mary's) ...	o7rc	cbc	bc	bc	59	51	•	1	<8.00	–	–	3.2
Falmouth (Pendennis)	or	o6c	cbcb	bbc	56	50	•	3	<8.00	–	–	1.5
Plymouth (Cattewater)	c7o7m	c7o7	cb	bwm	58	45	43	1	<8.00	–	–	0.0
Portland Bill	c07o7o3	o7o7o3	orrcb	bc	62	53	•	1	11.00	1	21.00	•
Southampton (Calshot)	cy	c7o7	crorrbc	bcb	62	50	46	0.3	15.30	3	21.00	4.1
Dungeness	occ	c	crorr	orrrbc	66	53	•	–	–	4	?	•
Guernsey	ofjfjc	cir	oro	cbc	59	51	•	0.1	4.30	2	21.00	0.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	3rd 10h	SCOTIA	WNW	3	bc	57	53
1	" 12h	ST. HELIER	NNE	2	fb-	58	56
3	4th 1h	DIEPPE	N	3	r	55	57

GENERAL INFERENCE.

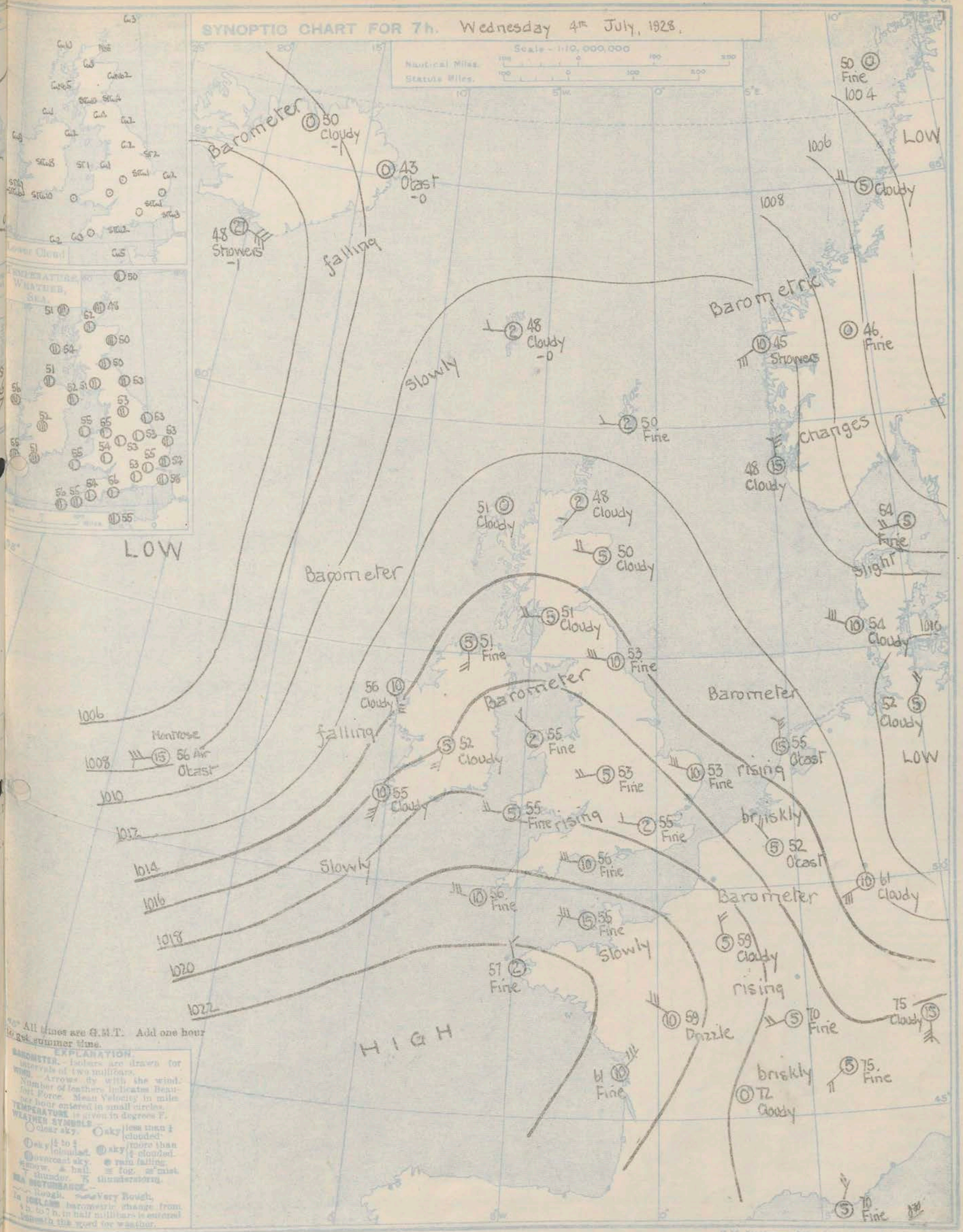
A wedge of high pressure is crossing the British Isles and a depression is approaching our northwest coasts. Weather will be fine in most districts today but rain will soon commence in West Ireland and spread over all western and northern districts within 24 hours.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Wednesday, 4th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind W., backing S.W. light or moderate, freshening somewhat later; fine today; becoming cloudy tomorrow; moderate temperature.	Unsettled, considerable fair periods in the south of England.
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	Wind backing S.W. or S., light or moderate, freshening somewhat; fine at first, some rain later; moderate temperature.	
12. S.W. Scotland & Isle of Man 13. (A. W. Scotland (B. N.W. Scotland	Wind S., moderate or fresh, cloudy, some rain; moderate temperature.	
14. Mid Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	As 4 - 11.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S., moderate or fresh, veering S.W. to W. later, strong at times locally; cloudy, some rain; showers and bright intervals later; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0935 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, 4th July 1928. No. 186

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‡ 0-6	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1011·8	0	–	0	bc	44	95	9	4000	Cu.	3	A.St.	5
Stornoway	39	1014·5	0	NW	1	bc	*	*	6	*	*	*	*	6
Wick	81	1013·2	-1	NE	2	c/o	47	97	8	1500	Nb.	6	A.St.	10
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	48	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	51	1015·7	-1	WSW	1	bc	48	97	8	4000	Cu.	2	C.Cu.	3
Renfrew	26	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1012·8	0	WSW	3	bc	48	92	7	–	–	0	A.Cu.	5
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	67	1014·7	0	W	2	bc	49	85	7	1500	Cu.	3	–	3
Blacksod Point ...	18	1015·7	-1	–	0	c	52	85	8	*	St.Cu.	8	–	8
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	28	1015·4	-1	W'N	3	b	53	85	8	7200	St.Cu.	1	–	1
Liverpool (Bidston) ...	169	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	476	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	29	1012·9	0	WNW	5	bc-	54	85	7	4000	Cu.Nb.	4	A.Cu.	5
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	256	1015·2	0	NW	2	bc-	50	85	6	2500	St.Cu.	4	–	4
Gorleston	14	1013·9	-1	W'N	1	o/c	54	92	7	2500	Nb.	10	–	10
Valentia (Cahirciveen)¶	50	1019·1	0	W	2	bcu	52	92	9	*	Cu.	4	–	4
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	160	1016·4	+1	NW'W	1	bc	54	85	8	1500	Cu.	4	–	4
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	372	*	*	*	–	*	*	*	*	*	*	*	*	*
S. Farnborough ...	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	55	*	*	*	*	*	*	*
Croydon	244	1014·8	0	NNW	1	o/r	55	97	4	4500	Nb.	10	–	10
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	359	1014·3	0	N	3	o/r	52	92	6	1500	Nb.	10	–	10
Scilly (St. Mary's) ...	163	1019·5	+1	NW'W	4	bc	52	85	8	4000	Cu.	3	–	3
Falmouth (Pendennis)	200	1018·3	+1	NW'W	2	b	51	92	8	4000	St.Cu.	2	–	2
Plymouth (Cattewater)	62	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	37	1016·0	0	WNW	4	b	55	85	8	2500	St.Cu.	2	–	2
Southampton (Calshot)	10	1015·7	+1	W'N	2	bc-	54	92	7	–	–	0	A.Cu.	3
Dungeness	20	1014·2	0	NNE	3	c/r	55	97	7	800	Nb.	8	–	8
Guernsey (Fort George) ¶	295	1017·3	0	WNW	1	c/r	55	92	6	2500	St.Cu.	10	–	10

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‡ 0-6	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-9
Lerwick	1011·3	0	W	2	bc	50	65	8	4000	Cu.	3	–	3	*
Stornoway	1012·1	-1	–	0	c	51	85	7	4000	Cu.	10	–	10	0
Wick	1013·9	0	SW	1	c/r	48	92	8	1500	Nb.	8	A.St.	10	0
Tiree	1013·6	0	SE	2	bc	54	92	8	2500	Cu.Nb.	5	–	5	1
Nairn	1013·2	*	–	0	bc-	52	85	8	4000	Cu.	3	Cu.	5	*
Aberdeen	1013·3	+1	WNW	2	c/r	50	92	8	2500	Cu.Nb.	2	A.Cu.	9	0
Malin Head	1014·5	-2	S	2	bcv	51	95	9	4000	Cu.	1	C.Cu.	3	0
Renfrew	1014·4	0	W	2	c	51	85	8	4000	St.Cu.	10	–	10	*
Edinburgh (Inchkeith)	1014·3	+2	WSW	2	bc	50	85	6	5700	St.Cu.	5	A.Cu.	7	1
Leuchars	1013·5	0	WNW	1	c-	53	85	8	5700	St.Cu.	7	A.Cu.	8	*
Eskdalemuir	1014·4	+1	W'N	3	bc	51	75	8	2500	Cu.	4	Cu.	6	*
Tynemouth	1014·0	+1	WNW	3	bc	53	75	7	1500	Cu.	2	A.Cu.	3	0
Blacksod Point ...	1012·6	-4	SSE	3	c	56	75	8	*	Cu.	9	–	9	2
Donaghadee	1016·5	0	W	2	bc-	52	85	8	2500	Cu.	2	Cu.Cu.	3	1
Birr Castle	1015·5	*	SSW	2	c+	52	97	7	2500	St.Cu.	8	–	8	*
Holyhead	1016·3	+2	NW'N	1	b-	55	85	8	800	St.	1	A.Cu.	1	0
Liverpool (Bidston) ...	1016·5	0	W'S	2	b	55	75	8	2500	Cu.	1	A.Cu.	2	*
Chester (Sealand) ...	1016·0	+1	SSW	1	bc+	54	85	7	–	–	0	Cu.	3	*
Harrogate	1015·2	0	SW	3	bc	53	85	7	4000	Cu.	2	A.Cu.	3	*
Spurn Head	1014·7	+2	WNW	5	b-	53	85	7	4000	St.	2	–	2	2
Birmingham (Edgbaston)	1017·9	+2	WSW	2	b	53	75	7	–	–	0	A.St.	1	*
Cranwell	1016·4	+1	W	3	b	53	85	6	4000	St.Cu.	1	–	1	*
Gorleston	1014·2	+1	NW'W	3	bc-	53	92	6	4000	Cu.	2	Cu.St.	4	0
Valentia (Cahirciveen)¶	1016·6	-2	S'W	3	c	55	85	8	1500	St.Cu.	10	–	10	3
Roches Point	1018·5	0	SE	2	c	51	97	8	2500	St.Cu.	10	–	10	0
Pembroke (St. Ann's H.)	1017·9	+1	W	2	b+	55	85	8	–	–	0	Cu.Cu.	2	1
Ross-on-Wye	1017·8	+2	WSW	2	b	54	75	8	–	–	0	Cu.Cu.	1	*
Leafield	1017·9	+2	WNW	1	b	53	75	8	5700	St.Cu.	1	–	1	*
Winchester (Worthy Dn.)	1018·0	+3	WNW	2	b	54	85	7	–	–	0	Cu.	1	*
S. Farnborough ...	1017·7	+3	WNW	3	b	53	85	7	–	–	0	A.Cu.	1	*
London (Kew Obsy.) ...	1017·7	+3	WNW	1	b	55	75	6	5700	St.Cu.	1	–	1	*
Croydon	1017·4	+1	NW'W	2	b-	55	85	5	–	–	0	–	0	*
Shoeburyness	1016·9	+3	NW	2	b	56	85	7	–	–	0	–	0	*
Clacton-on-Sea ...	1016·0	+3	NW	4	bc	54	85	6	5700	Cu.	4	–	4	2
Felixstowe	1016·0	+1	NW'W	3	b-	55	75	7	–	–	0	–	0	1
Lympne	1016·6	+2	WNW	3	c/f	55	92	5	220	St.	8	–	8	*
Scilly (St. Mary's) ...	1020·8	+2	WNW	3	bcv	56	85	9	4000	Cu.	2	Cu.	4	1
Falmouth (Pendennis)	1020·6	+2	NW'W	3	bcv	55	85	8	4000	Cu.	3	–	3	0
Plymouth (Cattewater)	1020·1	+4	–	0	b	54	85	7	–	–	0	Cu.	1	0
Portland Bill	1019·0	+3	WNW	3	b-	56	75	8	2500	St.Cu.	2	–	2	1
Southampton (Calshot)	1018·3	+4	WNW	2	b	54	85	6	–	–	0	–	0	0
Dungeness	1017·8	+3	NNW	2	bc/r	58	92	7	1500	St.Cu.	3	–	3	2
Guernsey (Fort George) ¶	1021·0	+3	WNW	4	bc-	55	85	8	2500	Cu.	5	Cu.	7	3

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-3rd to 9h.-3rd °F.	Temperature. Max. 9h.-17h. 3rd °F.	Rainfall.† Night 17h.-9h. 2nd-3rd mm.	Rainfall.† Day 9h.-17h. 3rd mm.	Sunshine. Sunrise to 17h. 3rd hr.	Sunshine. Sunrise to Sunset. 3rd hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	cbc	bc	51	63	–	–	8.4	14·1
Douglas (I. o. M.) ...	b, c	b, c	48	61	–	–	10.9	8·3
Llandudno ...	bc	bc	52	62	–	–	10.4	8·2
Colwyn Bay ...	b	b	51	61	–	–	10.0	9·2
Rhyl	bbc	bc	52	59	–	–	11·2	9.6
Wallasey	bbcb	bbcb	53	62	–	–	10.7	7.2
Southport	bbcb	bbc	‡53	60	–	–	10·2	7.7
Blackpool	cbc	bcc	53	60	–	–	10.0	9.0
Ilkley	b	b	48	65	–	–	9·2	11.4
Cleethorpes	cb	bc	50	67	–	–	6.7	5.0
Skegness	bccobc	bcc	50	65	–	–	3.4	5.0
Aberystwyth ...	bc	bc	55	60	–	–	8·3	7.7
Bath	c r.	c r.	51	62	0.5	2	0·0	3.7
Cheltenham ...	o r.	oco	50	64	1	0·3	0·1	2·2
Leamington Spa ...	c	c	50	63	0·1	–	0.5	2.4
Lowestoft	b	bbccr	53	63	–	Trace	6.7	8.6
Felixstowe								
Harwich & Dovercourt	bc	bcoc	54	69	–	–	8·3	11·2
Maldon	bbc	o	51	70	–	–	8·0	11·3
Southend	b	bbco	54	69	–	–	8·8	11·1

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	odo	o	52	58	0·3	0·1	0·0	3·4
Bude	ddrc	cobc	51	58	0·2	2	0·2	3.4
Penzance	or.	ocr.	63	60	1	0·6	0·0	1.6
Paignton	op.	orror	51	59	Trace	4	0·0	5·5
Torquay	op.	orrorm	62	58	Trace	4	0·0	5.6
Jersey	c	o	50	65	–	–	1·2	15·2
Weymouth	cbcd	r. r p	51	65	–	2	1·3	0.7
Bournemouth ...	bbco	or	49	66	–	0·3	3.6	4·2
Ventnor ...	cbo3	c3pc	52	67	–	Trace	2.8	1·5
Portsmouth (S'thsea)	bbc	or.	53	69	–	Trace	4.7	8.2
Bognor	bc	c	55	67	–	–	4.4	7.9
Littlehampton ...	bc	bccr.	55	66	–	Trace	5·2	7.7
Worthing	bc	bcc	56	69	–	–	5.6	6.9
Brighton	bbc	bcod	56	66	–	Trace	4.6	3.4
Eastbourne	cbc	bco	56	66	–	–	3·8	13.0
Hastings	cbcc	cobco	55	67	–	–	3.7	13.7
Folkestone	omoc	cbcco	53	68	–	–	4.6	14.1
Dover	oc	c	53	68	–	–	3.9	13·9
Tunbridge Wells ...	bc	oco	54	70	–	–	7·2	12·5
Ramsgate	c	c3	54	63	–	–	5.4	14·2
Margate	cbc	bcc	54	63	–	–	5.6	14·3
Deal	obc	bcc	53	69	–	–	4.5	14.3

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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. 24332 Thursday 5th July 1928.

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

STATIONS. (For heights see p. 6).	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	1011·6	0	SW	2	bc	53	55	8	4000	Cu	4	—	4	•
Stornoway	1010·1	-2	S	1	bc	56	85	8	4000	Cu	4	—	4	•
Wick	1012·2	-1	SW	1	c	50	92	8	1500	Nb	6	CiSt	8	•
Tiree	1011·0	-3	S	4	bc	56	75	8	2500	Cu	2	ACu	4	0
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Aberdeen	1012·2	0	SE	2	cr	53	85	7	2500	CuNb	4	ASt	9	1
Malin Head	1010·5	-4	S	4	cr₀+	54	97	6	4000	CuNb	10	—	10	•
Renfrew	1013·8	-1	SW	3	c+	61	45	8	4000	Cu	9.	CiSt	8	0
Edinburgh (Inchkeith)	1012·2	-1	WSW	2	c	55	65	8	4000	StCu	9	—	9	•
Leuchars	1013·0	-2	SW	3	c	59	55	8	5700	StCu	9	—	9	0
Eskdalemuir	1014·0	0	SW	4	bc	58	65	8	4000	Cu	7	—	7	2
Tynemouth	1014·8	+1	E	2	bc	55	85	8	1500	CuNb	4	—	4	•
Blacksod Point	1006·4	-4	SW	6	oRR	56	92	7	*	Nb	10	—	10	•
Donaghadee	1015·4	-2	SSW	3	bc+	57	75	8	4000	StCu	6	—	6	•
Birr Castle	1013·5	*	S	3	or₀r₀	53	97	6	1500	Nb	10	—	10	•
Holyhead	1016·7	-1	SSW	4	c+	56	85	8	4000	St	9	CiSt	9	1
Liverpool (Bidston)	1016·9	0	WN	2	bc-	59	65	9	2500	Cu	6	CiSt	7	•
Chester (Sealand)	1016·3	0	SWW	4	c+	66	45	9	4000	Cu	4	ACu	8	1
Harrogate	1015·7	+1	SWW	4	b✓	62	55	9	4000	Cu	1	Ci	2	•
Spurn Head	1016·1	0	NW	4	c	62	75	6	4000	CuNb	9	—	9	•
Birmingham (Edgbaston)	1018·0	+1	WSW	4	bc+	63	45	8	4000	StCu	6	Ci	7	1
Cranwell	1017·2	+1	WS	4	bc	67	45	7	4000	Cu	4	—	4	0
Gorleston	1011·7	+4	SE	3	bc	59	75	6	4000	Cu	5	—	5	•
Valentia (Cahirciveen)	1013·3	-4	S	5	cr₀	56	92	6	800	St	8	ASt	10	1
Roches Point	1017·4	-1	SW	3	cd₀	54	97	8	1500	Nb	9	—	9	•
Pembroke (St. Ann's H.)	1019·7	0	WSW	4	c+	58	75	8	2500	Cu	3	ASt	9	•
Ross-on-Wye	1018·2	+1	WSW	3	c+	64	55	8	4000	Cu	6	CiSt	10	0
Leafield	1018·3	+1	SWW	4	bc+	64	55	9	5700	Cu	6	ASt	7	0
Winchester (Worthy Down)	1019·3	0	SW	3	bc	67	45	8	4000	Cu	4	—	4	1
S. Farnborough	1019·2	0	WS	3	bc+	67	55	8	4000	Cu	5	ACu	7	0
London (Kew Obsy.)	1019·5	+1	W	2	bc	64	45	8	2500	Cu	5	—	5	1
Croydon	1019·7	+1	W	3	bc	67	45	8	4000	Cu	6	—	6	1
Shoeburyness	1019·3	+3	WNW	2	b+	67	65	8	—	—	0	ASt	2	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Felixstowe	1018·7	+2	W	2	bc+	67	45	8	4000	Cu	5	—	5	1
Lympne	1019·3	+1	SSW	3	bc	67	45	7	2500	Cu	4	—	4	0
Scilly (St. Mary's)	1021·4	0	SWW	4	bc	61	75	8	4000	Cu	2	ACu	4	•
Falmouth (Pendennis)	1021·8	0	WSW	4	bc	61	75	8	4000	Cu	4	CiSt	5	•
Plymouth (Cattewater)	1021·2	+1	SW	5	bc+	60	75	8	4000	Cu	1	Ci	7	0
Portland Bill	1020·6	0	SW	4	bc+	59	85	8	2500	CuNb	1	Ci	7	•
Southampton (Calshot)	1020·6	+1	SW	5	bc+	59	45	8	4000	Cu	6	—	6	0
Dungeness	1019·7	+2	SW	3	bc	63	85	7	2500	Cu	4	—	4	•
Guernsey (Fort George)	1023·0	+2	WN	3	bc	61	75	9	2500	Cu	4	Ci	5	•

Observations at 18h. 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	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1009·8	-2	SSW	2	c	51	75	8	4000	StCu	9	—	9	•
Stornoway	1004·8	-7	S	3	o	54	75	8	2500	St	10	—	10	0
Wick	1009·0	-3	SSE	2	c	51	92	8	2500	StCu	5	CiSt	8	0
Tiree	1004·9	-6	S	5	or₀	51	97	5	450	Nb	10	—	10	6
Nairn	1008·0	•	—	0	bc/r	58	92	7	4000	CuNb	7	—	7	•
Aberdeen	1010·5	-3	S	3	c+	53	85	7	800	St	1	ACu	8	0
Malin Head	1004·7	-5	SW	5	c/r	56	92	7	4000	StCu	10	—	10	1
Renfrew	1010·5	-4	S	3	c	54	75	8	800	St	4	ASt	10	•
Edinburgh (Inchkeith)	1010·0	-3	SSW	3	cr₀	56	65	8	4000	StCu	6	CiSt	10	1
Leuchars	1010·4	-4	SSW	3	c	57	65	8	2500	Nb	2	ASt	10	•
Eskdalemuir	1012·2	-4	SW	5	c	51	92	7	1500	StCu	7	ASt	10	•
Tynemouth	1013·4	-1	SW	3	c+	59	55	7	800	Nb	8	—	8	1
Blacksod Point	[illegible]	-1	SW	7	oRR	57	92	7	*	Nb	10	—	10	5
Donaghadee	1010·8	-6	SSW	4	or₀	53	92	7	2500	St	10	—	10	3
Birr Castle	1008·4	*	S	3	or+	56	97	6	1500	Nb	10	—	10	•
Holyhead	1013·6	-6	SSW	5	r₀r₀	54	85	8	6000 578	St	9	ASt	10.	1
Liverpool (Bidston)	1015·2	-3	SSW	2	c/r	55	75	8	4000	Nb	10	—	10	•
Chester (Sealand)	1015·7	-3	SW	2	or₀r₀	56	75	7	2500	Nb	10	—	10	•
Harrogate	1015·4	-1	SWS	3	c	56	65	8	7200	Nb	7	ASt	10	•
Spurn Head	1015·1	-1	W	4	c	62	65	6	4000	CuNb	4	ASt	9	1
Birmingham (Edgbaston)	1017·6	-2	WSW	3	cr₀	59	55	8	4000	Nb	5	ASt	9	•
Cranwell	1016·8	-1	WSW	3	c	63	55	7	4000	StCu	5	Ci	10	•
Gorleston	1016·9	-1	SW	3	c	67	55	6	4000	Cu	5	ASt	9	0
Valentia (Cahirciveen)	1010·6	-3	SWS	5	cr₀r₀	58	92	6	800	St	8	ASt	10	4
Roches Point	1013·2	-3	SW	4	or₀r₀	54	97	7	800	Nb	10	—	10	6
Pembroke (St. Ann's H.)	1016·3	-3	SSW	5	cr₀r₀	55	85	6	800	CuNb	10	—	10	4
Ross-on-Wye	1017·6	-1	WSW	3	c	57	65	8	4000	Nb	4	ASt	10	•
Leafield	1018·0	-2	WSW	4	c+	59	65	9	5700	Cu	2	ASt	9	•
Winchester (Worthy Down)	1019·2	0	SSW	4	bc+	62	55	8	5700	StCu	7	—	7	•
S. Farnborough	1018·7	-1	SWS	4	bc+	62	65	8	2500	StCu	3	ACu	7	•
London (Kew Obsy.)	1018·7	-1	SW	4	c	65	55	8	2500	StCu	4	ACu	9	•
Croydon	1018·8	-2	SWS	4	c+	64	55	8	2500	StCu	4	ACu	8	•
Shoeburyness	1018·6	-1	SWS	3	bc+	65	75	8	2500	StCu	1	CiCu	4	•
Clacton-on-Sea	1018·2	-1	WSW	3	bc	66	65	7	5700	Cu	4	CiCu	6	1
Felixstowe	1018·4	-1	SW	2	bc	67	45	8	4000	Cu	2	Ci	4	1
Lympne	1019·6	0	SWS	4	b-	61	55	9	—	—	0	Ci	1	•
Scilly (St. Mary's)	1020·1	-2	SW	5	c+	58	85	8	4000	StCu	8	—	8	5
Falmouth (Pendennis)	1020·5	-1	SWW	5	bc+	57	85	8	4000	Cu	5	ACu	6	1
Plymouth (Cattewater)	1020·5	-1	SW	5	c+	57	85	8	2500	Nb	2	ACu	9	1
Portland Bill	1019·6	-2	SWS	5	c+	57	85	8	2500	StCu	4	Ci	8	1
Southampton (Calshot)	1019·9	-1	WSW	5	bc-	62	65	8	—	—	0	ACu	3	0
Dungeness	1020·1	-1	SW	4	bc	59	85	8 78	2500	Cu	2	CiCu	5	4
Guernsey (Fort George)	1022·1	-2	WN	2	b-	58	75	9	—	—	0	Ci	2	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	Weather Afternoon	Weather Night (24 hours ended 9h.)	Temp. Max. Day °F.	Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	bbc	bcc	cbc	69	56	55	—	—	9·2	*	*	10
Croydon	244	bcbcy	bccy	cycbc	69	55	57	—	—	9·9	*	*	9
Greenwich (Royal Obsy.)	149	bbczy	c⊕y	cbc	73	55	52	—	—	9·8	45	62	7
City (Bunhill Row)	86	*	*	*	*	*	*	*	*	9·3	*	*	•
Westminster (St. James' Pk.)	37	*	*	*	69	56	55	—	—	9·4	45	65	•
Regent's Pk. (Botanic Gdns.)	162	*	*	*	*	*	*	*	*	9·4	*	*	•
Camden Square	110	bc	c	*	71	56	—	—	—	*	*	67	•
Kensington Palace	80	bbc	bcc	*	69	56	57	—	—	*	(At 15h.) 53	68	•
Hampstead Observatory	450	*	*	*	68	53	47	—	—	9·9	*	77	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

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

Kew Observatory			
Max.	Time.	Min.	Time.
0·1	5h.–6h.	0·01	9h.–5h.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 4th 21h. 50m. to 5th 2h. 12m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	4 30	nil	—
δ Ursae Minoris	4 30	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=Hoar frost (Hoar frost in 1h. and 7h. reports) in 13h. and 18h. 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 July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·39 3·40	11·57 11·58	20·16 20·15
Greenwich	3·52 3·53	12·4 12·4	20·16 20·16
Wick	3·17 3·18	12·17 12·17	21·16 21·15
Valentia	4·30 4·31	12·45 12·45	21·00 20·59

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.

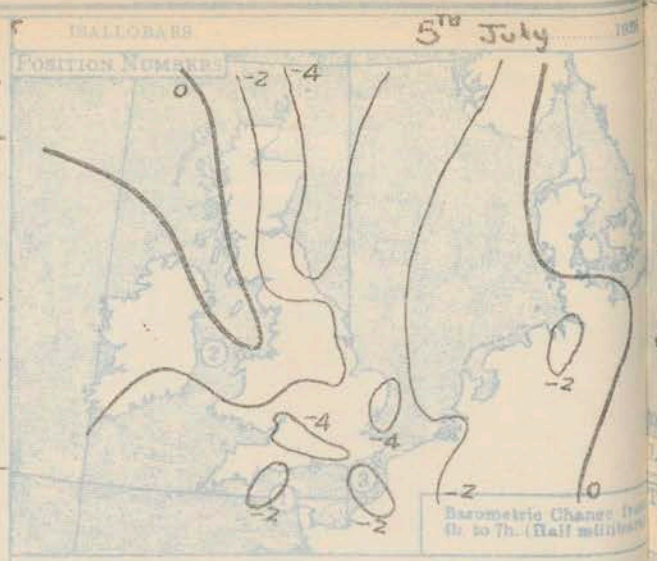
Code	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ „
6. Moderate.	6¼ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

† 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 2010.

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	bcy	bcc	c	coir	54	49	•	–	–	2	3·30	11·5
Stornoway	c	c	rd	orro	57	49	•	–	–	2	21·00	1·7
Wick	crroc	c	cir	c	51	50	•	2	9·00	01	21·00	•
Tiree	bc	cdrm	prm	mpdc	57	51	50	2	14·30	2	21·00	6·8
Nairn	bc	bcpr	bcdc	cd	61	50	•	0·6	16·30	0·3	22·00	5·0
Aberdeen	cupreir	crbcc	cpro	cm	58	51	50	0·1	11·00	Tr.	21·00	4·1
Malin Head	bcvc	cro	cdmpd	ondcir	58	51	•	1	13·30	3	21·00	4·3
Renfrew	ccbc	ccro	cdd	orrmc	62	51	51	0·2	16·30	1	21·00	5·3
Edinburgh (Inchkeith)	bcc	p	p	p	61	52	50	Tr.	14·30	1	21·00	5·5
Leuchars	c	cbcyc			63			–	–			
Eskdalemuir	bcwcbc	bccprc	cordm	orrm	58	48	48	0·3	16·30	24	21·00	4·9
Tynemouth	bc	bcc	coir	orro	62	52	49	–	–	4	21·00	•
Blacksod Point ...	RR	RR	Ro	poc	58	53	•	6	•	2	•	•
Donaghadee	bc	coir	oir	orrc	59	52	•	0·6	14·30	9	•	•
Birr Castle	cpro	orrm	orrm	orrm	58	54	54	6	14·30	17	21·00	0·0
Holyhead	bbc	prstor	RRcrq	irrr	59	53	52	0·1	18·30	21	21·00	6·2
Liverpool (Bidston) ...	bbccv	bccr	cror	oirm	60	52	52	Tr.	15·30	7	21·00	8·3
Chester (Sealand) ...	bccv	crorr	rorrr	cr	67	52	51	0·1	16·30	7	21·00	6·4
Harrogate	bcbv	bbcc	c	corr	64	51	50	–	–	6	2·30	10·2
Spurn Head	bcc	c	cor	orc	66	51	•	–	–	3	24·00	10·4
Birmingham (Edgbaston)	bbc	bcc	cor	orod	66	50	48	Tr.	17·30	3	21·00	8·3
Cranwell	ccm	bcyc	cir	cir	69	51	49	–	–	1	22·00	10·2
Gorleston	bc	bcc	co	orcq	69	55	54	–	–	01	24·00	11·4
Valentia (Cahirciveen)	cdr	cr	ord	ord	58	55	55	16	18·00	9	21·00	0·0
Roches Point	cir	ror	orod	odd	55	54	•	3	11·00	2	21·00	•
Pembroke (St. Ann's H.)	bcc	oporm	orrmq	orrff	59	52	•	1	14·30	5	21·00	5·1
Ross-on-Wye	bbcc	cy⊕	c	cod	66	55	53	–	–	01	14·30	7·3
Leafield	bc	c	c	o	64	53	52	–	–	–	–	8·3
Winchester (Worthy Dn.)	bbcy	bcy	c	c	68	54	52	–	–	–	–	11·8
S. Farnborough ...	bbcy	bcycbc	bcc	cbc	69	54	52	–	–	–	–	10·4
London (Kew Obsy.) ...	bbc	bcc	c	cbc	69	56	55	–	–	–	–	9·2
Croydon	bzobcy	bccy	cy	cbc	69	55	54	–	–	–	–	9·9
Shoeburyness	b	b	o	o	70	55	52	–	–	–	–	11·9
Clacton-on-Sea ...	bcy	bcy	bcbc	bc	69	56	56	–	–	–	–	10·5
Felixstowe	bc	bcy	bcy	bcbc	68	57	56	–	–	–	–	11·5
Lympne	cm	bcybvy	bbccw	cwbcv	67	51	48	–	–	Tr.	–	11·9
Scilly (St. Mary's) ...	bc	bcc	cir	camid	61	55	•	–	–	Tr.	24·00	11·0
Falmouth (Pendennis)	bc	bc	bccq	codmq	62	55	•	–	–	Tr.	2·30	~~11·2~~ 12·3
Plymouth (Cattewater)	bcc	bqc	cq	crdq	62	55	55	–	–	1	1·30	11·0
Portland Bill	bbc	bcc	c	c	60	56	•	–	–	–	–	•
Southampton (Calshot)	bbcmy	bcy	c	cqbcq	69	55	53	–	–	–	–	13·5
Dungeness	bc	bc	bcc	cbc	64	56	•	–	–	–	–	•
Guernsey	bcv	bcbv	bwbc	bcb	61	53	•	–	–	–	–	14·4



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	4th 10h.	SCOTIA	S'E	3	bc	55	53
3	5th 1h.	BRIGHTON	W	4	c.d.	56	56

GENERAL INFERENCE.

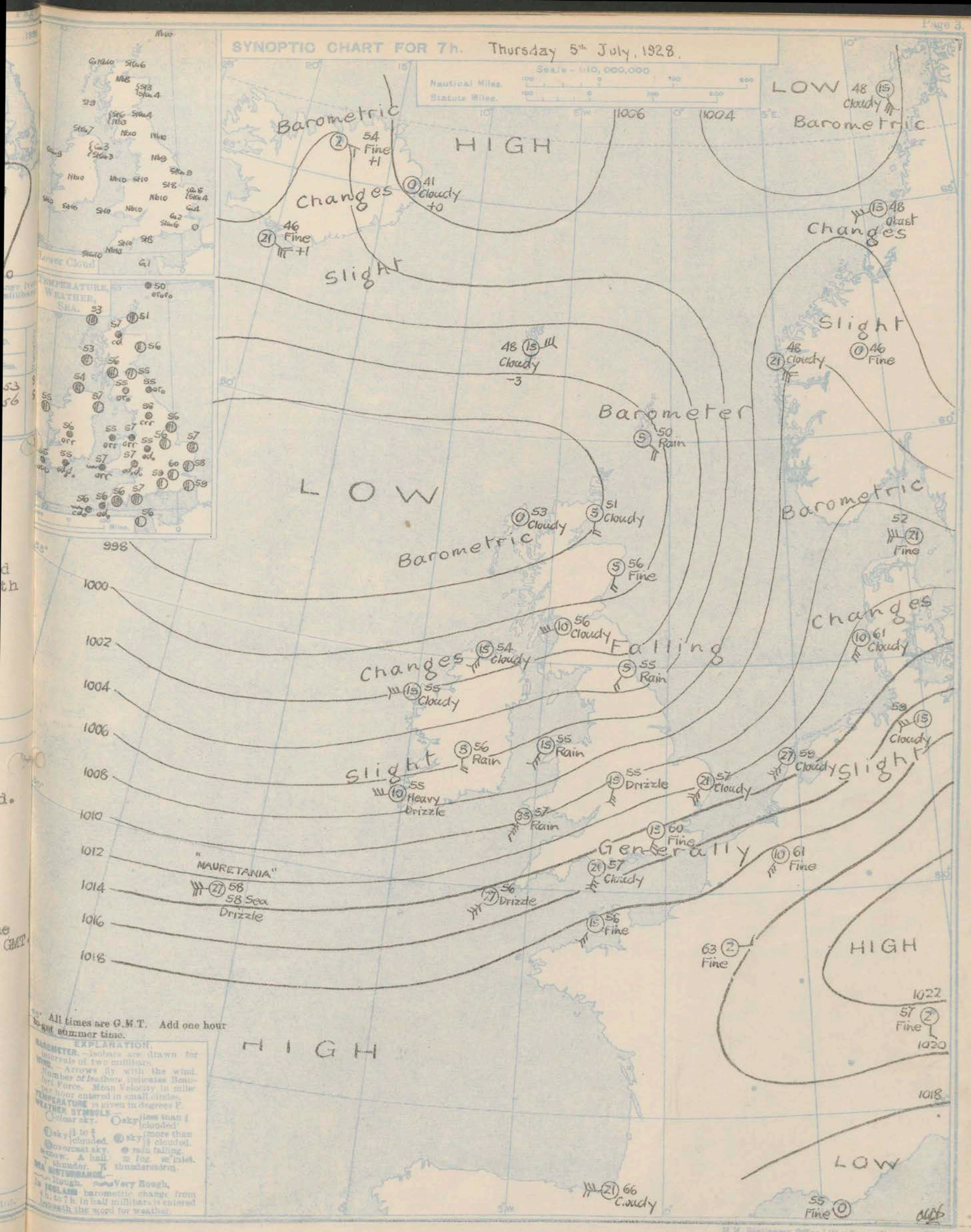
A depression off the Hebrides is moving east-north-east. Winds will be S.W. to W., with showers and bright intervals in the North and cloudy weather with occasional rain or drizzle in the South.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Thursday, 5th July, 1928.	Further Outlook.‡
1. S.E. England 2. E. England 3. E. Midlands	Wind S.W., moderate to strong; mainly cloudy, local drizzle; perhaps occasional rain later; moderate temperature.	Unsettled.
4. W. Midlands 5. S.W. England ▼ 6. South Wales ▼	Wind S.W. to W., fresh or strong; mainly cloudy; rain at times; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind S.W. to W., mainly moderate; rain at first, showers and bright intervals later; moderate temperature.	▼ South Cone hoisted 1935 GMT yesterday.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. {A. W. Scotland, B. NW Scotland} 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind S.W. to W., mainly moderate, stronger at times locally; thundery showers and bright intervals; moderate temperature.	cand
19. S.E. Ireland 20. S.W. Ireland	As 7 - 10.	

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, 5th July 1928. No. 187

Stations	Height above M.S.L. in feet	6h. 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	18h. 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	Sec. 0-6
Lerwick	54	1005.3	-3	SE	2	c	50	92	8	5700	St.Cu.	5	A.St.	9	999.4	-6	SE	2	drizz	50	97	7	4000	Nb.	10	-	10	*
Stornoway	36	1000.2	-6	S	4	dd	*	*	4	*	*	*	*	10	996.8	0	-	0	c	53	92	7	4000	Cu.Nb.	10	-	10	0
Wick	81	1002.1	-5	S	2	c/r	50	97	8	4000	Cu.	6	Cu.St.	9	999.7	-3	S	2	c	57	97	8	2500	St.Cu.	6	Cu.St.	8	1
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	999.6	0	S	3	c	53	92	6	800	St.	9	-	9	1
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	999.2	*	-	0	cd	57	85	7	1500	Nb.	8	-	8	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*	999.5	-3	SSW	2	bc	56	85	7	800	St.Cu.	7	-	7	0
Malin Head	51	1002.0	-3	SSW	4	od	56	97	6	800	St.	10	-	10	1001.5	-1	SW	4	c/r	54	92	7	4000	St.Cu.	7	A.Cu.	9	0
Renfrew	56	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.6	0	WSW	3	c-	56	97	6	1500	St.	9	-	9	*
Edinburgh (Inchkeith)	199	1003.0	-7	SW	2	o/r	54	92	8	1500	St.	10	-	10	1000.6	-3	SW	3	bc	55	97	7	4000	St.Cu.	4	A.Cu.	7	2
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*														*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.1	-2	SW'S	4	o	55	97	6	4500	Nb.	10	-	10	*
Tynemouth	67	1007.4	-5	S	2	o	52	92	6	800	Nb.	10	-	10	1002.3	-5	SW	2	o	55	92	6	1500	Nb.	10	-	10	1
Blacksod Point	15	1002.9	0	SW	4	c	56	92	6	*	-	0	A.St.	10	1002.6	-1	WSW	4	c	55	92	7	*	St.Cu.	9	-	9	4
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.4	+1	WSW	2	bc-	57	97	8	4000	St.Cu.	6	-	6	2
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.9	*	S	2	orr	56	97	6	1500	Nb.	10	-	10	*
Holyhead	26	1005.0	-6	SW'S	6	o/r	55	97	6	800	St.	10	-	10	1006.3	-1	SW	4	orr	55	97	5	800	Nb.	10	-	10	4
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.5	-1	WSW	4	orr	57	92	6	2500	St.	10	-	10	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.2	0	SW'S	3	orr	59	85	7	800	Nb.	10	-	10	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.7	-1	SW'S	4	orr	56	92	7	2500	Nb.	9	A.St.	10	*
Spurn Head	29	1012.0	-3	SSW	6	orr	52	92	7	4000	Nb.	10	-	10	1007.4	-3	SW'S	5	c	56	92	7	5700	St.Cu.	9	-	9	
Birmingham (Edgbaston)	536	*	*	*	*	*	*	*	*	*	*	*	*	*	1004.1	-2	SSW	4	od	55	92	6	1500	Nb.	10	-	10	*
Cranwell	298	1014.0	-3	SW'S	3	c/r	51	92	6	1500	Nb.	7	A.St.	10	1004.8	-1	SW	5	c/r	56	92	8	800	St.	8	A.St.	10	*
Gorleston	14	1015.8	-2	SW	3	o/r	60	75	7	2500	Nb.	10	-	10	1011.7	-4	SW	5	c	57	75	6	5700	Cu.	9	-	9	1
Valentia (Cahireiveen) ‡	30	1009.2	-3	SSW	5	orr	56	97	6	*	St.	10	-	10	1007.6	0	W'S	3	odd	55	97	5	4500	St.	10	-	10	3
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.4	-3	SW	3	od	55	97	6	800	St.	10	-	10	4
Pembroke (St. Ann's H.)	160	1011.6	-3	SW	8	o/r	56	97	6	800	St.	10	-	10	1009.0	-3	SW	7	orr	57	97	5	800	St.	10	-	10	6
Ross-on-Wye	225	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.6	-5	SSW	4	od	57	92	6	2500	Nb.	10	-	10	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.1	-2	SW	4	o	55	92	8	1500	St.	10	-	10	*
Winchester (Worthy Dn.)	372	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.9	-4	SSW	4	c	56	85	8	1500	St.Cu.	10	-	10	*
S. Farnborough	350	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.1	-3	SW	4	bc	59	75	8	1500	St.Cu.	6	Cu.Cu.	7	*
London (Kew Obsy.)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	1011.1	-2	SW	4	bc-	60	75	8	2500	Cu.	2	Cu.	6	*
Croydon	244	1017.3	-4	SW'S	4	c	55	85	8	-	-	0	A.Cu.	8	1014.6	-4	SW'S	5	bc-	58	75	8	4000	St.Cu.	2	Cu.	7	
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.1	-3	SSW	5	bc	60	92	8	-	-	0	Cu.Cu.	7	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.2	-2	SSW	6	bc	58	75	7	4000	Cu.	4	Cu.	7	4
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.7	-4	SW	5	bc+	60	75	8	-	-	0	Cu.	4	4
Lympne	350	1013.2	-1	SSW	3	c+	52	92	8	-	-	0	A.Cu.	9	1010.4	-3	SSW	5	bc-	57	75	9	-	-	0	Cu.	5	*
Scilly (St. Mary's)	103	1016.5	-2	SW	5	c	56	85	8	4000	St.Cu.	10	-	10	1014.7	-2	SW'W	6	od	56	97	6	4000	St.Cu.	10	-	10	6
Falmouth (Pendennis)	200	1016.9	-3	SW'W	6	c	56	92	8	4000	St.Cu.	9	-	9	1014.3	-2	SW'W	6	od	56	97	6	2500	Nb.	10	-	10	4
Plymouth (Cattewater)	83	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.5	-2	SSW	4	o	56	97	7	800	St.	10	-	10	1
Portland Bill	32	1017.7	-2	SW	4	c	57	85	8	2500	St.Cu.	10	-	10	1015.4	-1	SW'S	5	c	57	85	8	1500	St.	8	A.St.	9	4
Southampton (Calshot)	10	1018.2	-3	SW'W	4	c	57	75	8	5700	St.Cu.	3	A.Cu.	8	1015.3	-3	SW'W	5	bc	59	75	7	2500	Cu.	5	Cu.	6	3
Dungeness	20	1019.0	-2	SW	4	c+	55	92	8	4000	St.Cu.	4	A.Cu.	10	1016.5	-1	SW	5	bc-	59	85	8	-	-	0	Cu.Cu.	7	4
Guernsey (Fort George) ‡	206	1020.0	-2	SSW	1	b	54	92	8	-	-	0	A.St.	2	1018.2	-2	SW	4	b	56	85	8	2500	Cu.	1	A.Cu.	2	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 4th July 1928

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. 9h. 3rd to 9h. 4th °F.	Temperature Max. 9h. 17th 4th °F.	Rainfall† Night 17h. 3rd-9h. 4th mm.	Rainfall† Day 9h.-17h. 4th mm.	Sunshine Sunrise to 17h. 4th hr.	Sunshine Sunrise to Sunset 3rd hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	cbc	bcc	46	61	-	-	4.2	8.5
Douglas (I. o. M.)	bbc	cpr	46	58	-	1	7.9	12.4
Llandudno	bbc	c	47	61	-	-	7.8	12.7
Colwyn Bay	bbc	cbcc	49	64	-	-	7.0	12.5
Rhyl	b	bbco	42	62	-	-	7.5	14.4
Wallasey	b	bbcc	48	63	-	-	8.6	13.9
Southport	b	bbco	52	61	-	-	8.2	13.0
Blackpool	bc	bcco	52	61	-	-	7.3	12.8
Ilkley	b	bbcc	43	66	-	-	8.2	10.0
Cleethorpes	b	b	48	70	-	-	10.2	6.7
Skegness	obc	bc	46	70	-	-	11.0	3.4
Aberystwyth	cbc	cr	54	61	-	0.5	4.7	10.5
Bath	b	bbcc	45	67	2	-	9.0	0.0
Cheltenham	bv	bcco	45	67	-	-	9.2	0.1
Leamington Spa	bbc	cbc	45	67	-	-	8.5	0.5
Norwich	b	bbcc	52	69	4	-	9.7	6.7
Harwich & Dovercourt	bc	bc	52	69	9	-	9.6	8.3
Maldon	b	bccb	52	69	8	-	9.5	8.0
Southend	b	b	53	72	10	-	10.5	8.8

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	bcb	bbcc	51	60	-	-	8.0	0.4
Bude	ccbc	bcc	45	62	-	-	5.8	1.8
Penzance	b	b	48	66	-	-	10.3	1.8
Falmouth	pb	b	46	66	0.3	-	12.1	0.0
Torquay	bbc	b	47	66	-	-	11.0	0.0
Jersey	bc	b	51	63	1	-	12.3	1.2
Weymouth	b	b	48	66	1	-	12.3	1.5
Bournemouth	b	b	48	67	2	-	13.0	3.6
Ventnor	rb	b	50	62	3	-	11.4	2.8
Portsmouth (St. Thomas)	b	b	50	67	4	-	12.0	4.7
Bognor	b	b	51	66	5	-	11.8	4.6
Littlehampton	b	b	51	63	6	-	11.3	5.3
Worthing	b	bbcb	53	66	7	-	11.3	5.6
Brighton	b	b	53	66	8	-	12.0	4.6
Eastbourne	b	b	53	64	8	-	12.0	3.8
Hastings	bcbc	bcb	52	66	4	-	11.7	3.7
Folkestone	rcbc	bc	53	68	5	-	10.9	4.6
Dover	bc	bc	53	64	5	-	11.1	3.9
Tunbridge Wells	bbcb	bc	52	69	16	-	10.3	5.7
Ramsgate	b	bc	52	67	15	-	10.8	5.4
Margate	bbc	bc	52	67	7	-	10.1	6.6
Deal	cb	b	52	70	6	-	10.6	4.5

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. ‡ 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. ✠ 12h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B24333 Friday, 6th July 1928. Page 1.

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	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	996·9	-3	SE	2	c	52	97	6	800	St	5	ASt	10	*
Stornoway	996·5	0	SW	2	cr0	56	85	7	4000	CuNb	10	-	10	*
Wick	997·1	0	SE	2	c	53	97	8	1500	Nb	8	CiSt	10	*
Tiree	999·0	0	W	4	c	56	92	7	1500	StCu	9	-	9	0
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	998·4	-1	SW	4	ct	66	55	8	4000	Cu	4	ACu	9	0
Malin Head	1001·0	0	WSW	5	cd	54	97	8	4000	CuNb	8	ACu	9	*
Renfrew	1001·2	-1	WSW	3	c	61	75	8	4000	Cu	5	ASt	9	1
Edinburgh (Inchkeith)	999·9	-1	WSW	3	c	58	75	7	4000	Cu	5	ACu	8	*
Leuchars	999·5	0	WSW	5	c	63	55	8	4000	StCu	4	ACu	8	0
Eskdalemuir	1001·5	-1	SW	6	cjp	58	85	7	1500	StCu	9	-	9	2
Tynemouth	1002·1	0	WSW	2	c/r	64	65	7	1500	Nb	8	-	8	*
Blacksod Point	1002·4	0	WSW	5	c	59	85	8	*	Cu	8	-	8	*
Donaghadee	1003·5	-1	WSW	3	bc-	62	75	8	4000	CuNb	5	-	5	*
Birr Castle	1005·6	*	SW	4	c-	59	75	8	1500	Cu	8	-	8	*
Holyhead	1005·7	-1	SW'S	4	c	59 (struck) 57	97	6	220	St	9	ASt	10	2
Liverpool (Bidston)	1005·9	-2	WSW	1	c/pr0	58	92	8	1500	StCu	10	-	10	*
Chester (Sealand)	1006·6	-1	SW'S	3	c	62	85	9	1500	St	10	-	10	2
Harrogate	1005·6	0	SW'S	2	cr0	58	92	7	2500	Nb	8	ASt	10	*
Spurn Head	1006·6	0	WSW	6	c	63	85	7	5700	StCu	9	-	9	*
Birmingham (Edgbaston)	1009·0	-1	SW	4	or0	61	85	8	2500	Nb	10	-	10	1
Cranwell	1008·6	-1	SW'W	5	c	64	85	7	1500	StCu	9	-	9	1
Gorleston	1009·9	-3	SW'S	5	c-	71	65	6	4000	StCu	8	-	8	*
Valentia (Cahirciveen)	1009·2	+2	SW'W	4	bc	59	75	8	1600	StCu	7	-	7	1
Roches Point	1009·6	0	W	3	c	60	85	9	2500	Cu	5	CiCu	8	*
Pembroke (St. Ann's H.)	1008·6	0	SW	6	o/r	58	97	6	800	St	10	-	10	*
Ross-on-Wye	1010·0	0	SW	5	od	60	92	6	2500	Nb	10	-	10	0
Leafield	1010·6	-2	SW'S	5	c	62	85	9	1500	StCu	9	-	9	*
Winchester (Worthy Dn.)	1012·5	-2	S'W	4	c	64	75	7	1500	StCu	7	CiCu	8	0
S. Farnborough	1012·7	-2	SW	4 (struck) 5	c	67	65	8	1500	StCu	7	ACu	8	0
London (Kew Obsy.)	1012·5	-2	SW	4	bc	68	65	8	2500	Cu	3	Ci	6	1
Croydon	1012·6	-2	SW'S	5	ct	69	65	8	2500	StCu	6	CiSt	8	0
Shoeburyness	1012·6	-2	SW	5	b	71	75	8	-	-	0	CiCu	1	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1012·3	-1	SSW	6	bc	69	55	8	4000	Cu	1	ACu	6	0
Lympne	1014·5	-1	SSW	6	b	64	65	9	-	-	0	CiSt	1	0
Scilly (St. Mary's)	1012·9	-1	SW	6	if0	58	97	3	1500	St	10	-	10	*
Falmouth (Pendennis)	1012·8	-2	SW'W	6	dDD	57	97	6	1500	Nb	10	-	10	*
Plymouth (Cattewater)	1013·5	-2	SW	5	cd0	57	97	6	450	St	9	ASt	10	1
Portland Bill	1013·8	-1	SW	4	c	58	85	6	1500	StCu	10	-	10	*
Southampton (Calshot)	1014·2	-1	SW	6	ct	63	75	8	1500	St	9	-	9	0
Dungeness	1014·8	0	SW	5	bc-	63	85	8	-	-	0	CiCu	3	*
Guernsey (Fort George)	1016·6	-3	WSW	4	b-	62	75	9	-	-	0	CiSt	2	*

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	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea. 0-9
Lerwick	995·2	-2	SSW	2	cjp	53	92	7	4000	CuNb	5	ASt	8	*
Stornoway	995·4	-1	SSW	2	o/pR	55	92	6	2500	Nb	10	-	10	1
Wick	997·1	0	SE	2	c/pr0	51	97	8	1500	Nb	6	CiSt	8	0
Tiree	998·0	0	S'W	4	cjp	55	85	6	1500	CuNb	9	-	9	3
Nairn	997·3	*	SW	1	bc/r	56	85	8	4000	CuNb	7	-	7	*
Aberdeen	997·8	+1	SW	2	bc/pr	61	65	8	2500	Cu	3	ACu	5	0
Malin Head	1000·4	-1	SW'W	5	c/r	55	92	8	4000	StCu	9	-	9	3
Renfrew	1001·3	0	W	3	cr0	56	95 (corrected 85)	8	1500	CuNb	9	-	9	*
Edinburgh (Inchkeith)	999·3	0	W	4	c	56	75	8	4000	Cu	6	ACu	8	2
Leuchars	998·9	0	WSW	5	bc	61	55	8	4000	Cu	5	ACu	6	*
Eskdalemuir	1000·6	-1	SW	5	bc	58	75	8	1500	Cu	4	Ci	6	*
Tynemouth	1001·9	0	W	2	bc/r	64	65	7	1500	CuNb	6	-	6	1
Blacksod Point	1002·6	0	WSW	5	o	56	85	7	*	Nb	10	-	10	5
Donaghadee	1003·5	0	WSW	3	bc/pr	60	65	8	1500	CuNb	5	-	5	2
Birr Castle	1005·3	*	W	4	c	58	65	8	1500	Cu	8	-	8	*
Holyhead	1006·0	+1	SW'W	4	bc-	57	92	6	4000	StCu	7	-	7	1
Liverpool (Bidston)	1005·5	-1	WSW	2	c-	59	92	8	2500	CuNb	9	CiCu	9	*
Chester (Sealand)	1005·8	0	SW'W	4	c-	61	85	8	2500	St	7	Ci	8	*
Harrogate	1004·7	-1	SW	3	c/pr0	57	92	7	2500	Nb	8	ASt	9	*
Spurn Head	1005·3	0	WSW	5	c	63	85	7	4000	StCu	8	-	8	3
Birmingham (Edgbaston)	1008·1	-1	SW	4	o/r	61 (struck) 59	92	8	2500	Nb	10	-	10	*
Cranwell	1007·3	-2	SW'W	4	c/r	61	92	6	800	Nb	6	ASt	10	*
Gorleston	1008·2	-1	SW'S	5	c	71	65	6	2500	Nb	3	ACu	8	4
Valentia (Cahirciveen)	1009·6	+1	WSW	5	b-	58	75	8	1500	Cu	2	-	2	3
Roches Point	1009·5	+1	W	3	bc	60	75	9	2500	Cu	5	CiCu	7	4
Pembroke (St. Ann's H.)	1008·0	0	SW'W	5	c-	56	92	7	800	Cu	6	CiSt	8	4
Ross-on-Wye	1008·5	-2	SW'W	5	c	60	85	8	2500	Nb	8	ACu	9	*
Leafield	1009·2	-1	SSW	4	cd0	60	92	7	1500	StCu	10	-	10	*
Winchester (Worthy Dn.)	1011·7	-1	S'W	3	o	59	85	7	800	St	10	-	10	*
S. Farnborough	1011·3	-1	SW	4	o	60	85	7	800	St	10	-	10	*
London (Kew Obsy.)	1010·8	-1	SW	4	c	63	75	8	800	St	10	-	10	*
Croydon	1011·5	-1	SW'S	4	c	62	85	7	1500	St	7	ACu	9	*
Shoeburyness	1010·8	-2	SW'S	6	bct	66	85	8	7200	Cu	3	ACu	4	*
Clacton-on-Sea	1010·3	-3	SSW	6	bc	67	65	7	-	-	0	ACu	5	4
Felixstowe	1011·? (struck) 1010·1	-2	SSW	6	bc	67	65	8	-	-	0	ACu	5	6
Lympne	1012·9	-2	SSW	4	bt	63	55	9	-	-	0	ACu	2	*
Scilly (St. Mary's)	1013·4	0	WSW	5	FFo	57	97	1	220	St	10	-	10	6
Falmouth (Pendennis)	1012·3	-1	WSW	5	od0d0	58	97	6	1500	St	10	-	10	4
Plymouth (Cattewater)	1012·0	-2	WSW	5	o	57	97	6	<150	St	10	-	10	1
Portland Bill	1012·1	-2	SW	5	o	57	92	6	1500	St	10	-	10	4
Southampton (Calshot)	1012·0	-3	SW'W	5	o	60	85	7	800	St	10	-	10	0
Dungeness	1013·0	-3	WSW	5	bct	63	75	8	-	-	0	CiCu	3	3
Guernsey (Fort George)	1014·6	-3	W	4	bct	57 (struck) 61	85	8	5700	StCu	2	CiSt	4	3

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 15h. G.M.T. % (Yesterday)	9h. G.M.T. % (To-day)	Visibility 9h
Kew	18	cbc	bcc	orccpb	70	53	49	-	4	7·2	*	*	8
Croydon	244	bcc	bcc	cr0cbc	70	53	50	-	0·5	7·9	*	*	8
Greenwich (Royal Obsy.)	149	c	c	cr0cr0bcc	75	53	48	-	1	8·8	61	60	6
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	8·1	*	*	*
Westminster (St. James' Pk.)	37	*	*	*	71	54	49	3		7·3	62	65	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	7·1	*	*	*
Camden Square	110	cbc	bcc	*	75	53	-	-	3	*	*	64	*
Kensington Palace	80	c	co	*	74	53	52	-	4	*	(At 18h) 77	61	*
Hampstead Observatory	450	*	*	*	71	50	41	-	1	5·4	*	72	*

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.
0·3	7h 6th	<0·3	16h 5th

Kew Observatory

Max.	Time.	Min.	Time.
<0·1 Throughout			

POLE STAR RECORD at Greenwich Obsy.

Exposure from 5th 21 h 45 m. to 6th 2 h 15 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	4·30	nil	-
δ Ursae Minoris	4·30	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.

5th and 7th July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·40 / 3·40	11·58 / 11·58	20·15 / 20·14
Greenwich	3·53 / 3·54	12·04 / 12·05	20·16 / 20·15
Wick	3·18 / 3·19	12·17 / 12·17	21·15 / 21·14
Valentia	4·31 / 4·32	12·45 / 12·46	20·59 / 20·59

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 } 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.

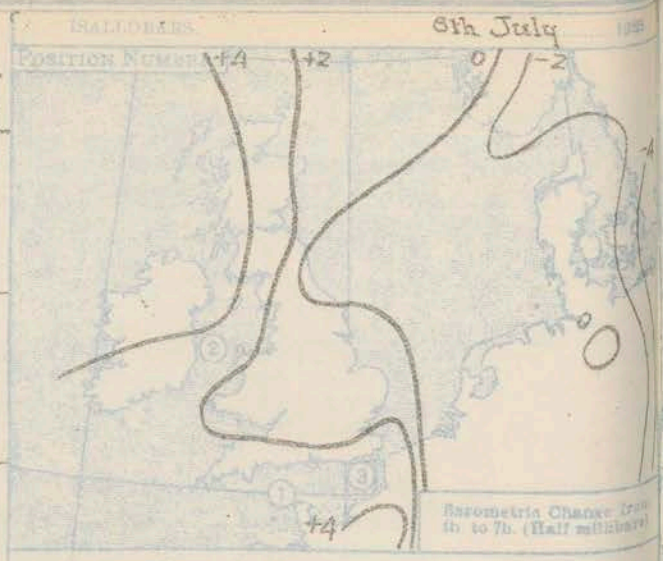
§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	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. 5th	Weather. 18h.-19h. 5th	Weather. 18h. 5th to 1h. 6th	Weather. 1h.-7h. 6th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h. mm	Rainfall.† Day. began.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Night. began.	Sun 5th Hours.
Lerwick	oiT₀m₀c	cid₀r₀	c	c	53	49	•	0·6	1430	-	-	0·1
Stornoway	T·d	p	p	p	57	50	•	3	<8.00	5	<21.00	0·4
Wick	cpr₀c	cpr	cpr	prr₀r	54	49	•	3	<8.00	5	<21.00	•
Tiree	pdc	pdbcc	pro	pRbc	58	51	49	0·2	<8.00	4	<21.00	2·0
Nairn	pcbc	bcPR	bcpc	bcpr	61	50	•	2	<8.00	1	24.00	4·6
Aberdeen	bbccg	cbcpr	bcc	circ	67	52	50	0·1	17.30	4	3.30	9·1
Malin Head	cid	cbccir	circid	cid	58	51	•	1	9.00	2	<21.00	2·1
Renfrew	cd₀pc	cbccp	cpPc	crr₀c	62	52	49	1	9.00	4	<21.00	2·5
Edinburgh (Inchkeith)	c	c	p	cbc	61	50	50	Trace	<8.00	Trace	<21.00	6·5
Leuchars	bcc₀p₀	cbcy	bcybc	bcwbc	66	51	47	Trace	11.00	-	-	8·8
Eskdalemuir	cir₀cpr₀c	cpr₀bc	bcpr₀bc	bccpr	61	49	49	0·6	<8.00	4	<21.00	4·7
Tynemouth	oir₀	cp₀	bc	bcir₀	66	52	46	1	<8.00	0·2	?	•
Blackwod Point ...	c	c	pqc	p₀c	59	52	•	-	•	3	•	•
Donaghadee	bc	bcpr₀	ycpr₀	bcpr₀	66	52	•	0·4	15.30	1	<21.00	•
Birr Castle	orrc	c	cpr₀	c	61	51	50	0·1	<8.00	1	<21.00	5·3
Holyhead	iro m₀	coDcbcm₀	bc	bcc	61	53	50	4	<8.00	-	-	4·4
Liverpool (Bidston) ...	Tr₀p₀	c·cr	cp₀bc	cp₀c	60	53	49	7	<8.00	0·1	<21.00	0·1
Chester (Sealand) ...	orrcr₀	pT₀cr₀	cbcpr₀	c	62	53	44	5	<8.00	Trace	<21.00	0·2
Harrogate	crrir₀	ciT₀	cbcb	bbcir₀	62	51	47	1	<8·00	Trace	4.30	0·9
Spurn Head	cpr	cpr₀	c	cbc	66	53	•	0·5	9.00	-	-	0·1
Birmingham (Edgbaston)	o'c	or₀	obcc	bc	61	50	46	1	12.30	-	-	0·0
Cranwell	circ	ciT₀	cypbc	bc	67	49	47	0·5	<8.00	Trace	<21.00	0·2
Gorleston	cpr₀	cq	cqpbc	cbc	75	56	54	0·1	9.00	0·4	24.00	1·6
Valentia (Cahirciveen)	cidbc	bcb	cp₀	cp₀c	59	53	52	0·2	<8.00	1	22.00	4·0
Roches Point	od₀cv	cvbcy	bcvc	c	63	52	•	Trace	<8.00	-	-	•
Pembroke (St. Ann's H.)	oRf	ocFf	cbc	bcc	58	54	•	2	<8.00	-	-	1·6
Ross-on-Wye	cqrid₀	dyr₀cid₀	c	bcc	65	51	47	1	<8.00	-	-	1·3
Leafield	ir₀	oid₀	cd₀prc	cbcb	64	47	42	0·2	9.00	0·2	<21.00	0·0
Winchester (Worthy Dn.)	c	cod₀o	od₀rid₀	c	66	48	46	Trace	15.30	1	22.00	3·0
S. Farnborough ...	bcc	cbco	ocoR	crcb	68	50	45	-	-	2	22.00	6·8
London (Kew Obsy.) ...	cbc	bcc	corc	cpb	70	53	49	-	-	4	22.00	7·2
Croydon	bcc	bcc	cr₀	cbc	70	53	50	-	-	0·5	24.00	7·9
Shoeburyness	bcb	bbc	c	corc	72	54	52	-	-	1	2.30	12·0
Clacton-on-Sea ...	bc	bc	bcc	cpbc	68	55	54	-	-	2	2.30	12·0
Felixstowe	bcy	bccbc	bcor	cp₀bc	71	56	55	-	-	2	22.00	10·4
Lympne	bcvbv	bbyv	bbcom₀	od₀mc	64	53	50	-	-	0·2	2.30	13·2
Scilly (St. Mary's) ...	cofd	oifd	ofdbc	bccp₀	58	53	•	Trace	11.00	2	<21.00	0·0
Falmouth (Pendennis)	cd₀ord₀	odm₀cd₀y	odm₀qbc	bccPr	60	51	•	0·2	<8.00	1	<21.00	0·5
Plymouth (Cattewater)	od₀dm₀y	cd₀m₀Eq	cor b	bwbc	58	53	50	0·4	<8.00	1	<21.00	0·0
Portland Bill	Ez₀	Cp₀oz₀	oDm oidc	cbc	59	54	•	Trace	15.30	1	<21.00	•
Southampton (Calshot)	bccy	cd₀o	od₀dcd₀	sd₀bc	66	50	48	-	-	2	<21.00	4·6
Dungeness	bbc	bcbbc	bccfb	fborrcr	64	51	•	-	-	1	1.30	•
Guernsey	bbcqv	cq	bccsddqc	cbcq	63	54	•	-	-	2	22.00	14·3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Altitude.
2	10h 5th	Scotia	S	3	c/r	58	53	6
1	12h "	St Helier	WSW	4	bc-	59	56	7
3	1h 6th	Dieppe	NW	3	d₀+	58	58	6

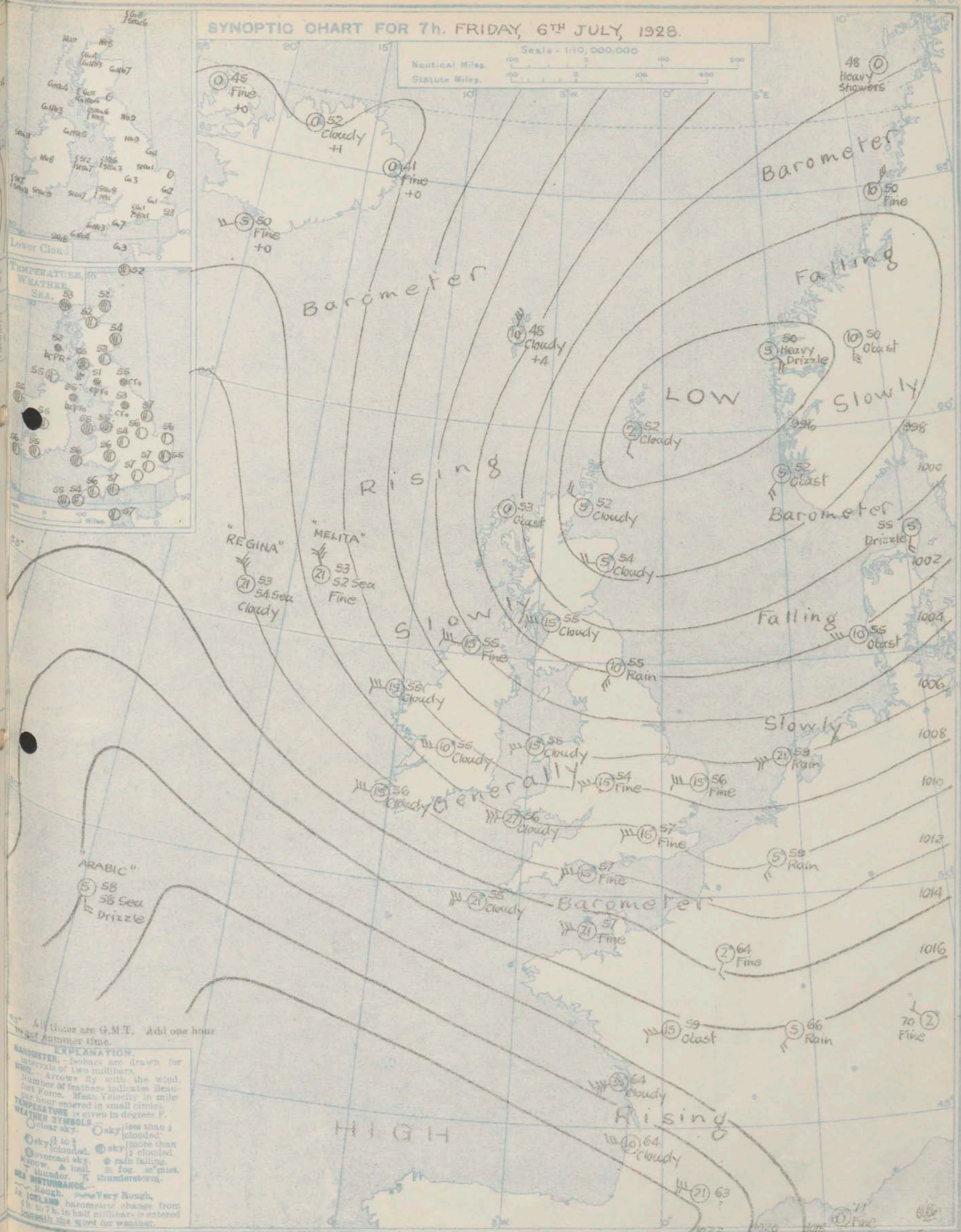
GENERAL INFERENCE.

A depression near the Shetlands will move away east-north-east and a wedge of high pressure will cross the British Isles followed after 24 hours by a new depression on a more southerly track. Weather will be showery today with bright intervals. After a brief fine interval, rain will spread up from south-west.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Friday, 6th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind W., moderate or fresh, falling light temporarily and backing S. later; showers and bright intervals today, fine tonight but deteriorating tomorrow; rather cool.	Rain at times.
5. S.W. England 6. South Wales 7. North Wales	Wind W., moderate or fresh, backing S. later; showers and bright intervals at first; fine tonight but rain tomorrow; rather cool.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind W. to N.W., moderate or fresh; showers and bright intervals; improving temporarily; rather cool.	
13. A. W. Scotland / B. NW. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Wind N.W., moderate or fresh; showery, improving; cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 5 - 7.	

† For code see page 4

† 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. Friday, 6th July 1928. No. 188

Observations at 1h. G.M.T. 6th

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	994.5	-1	SSW	1	c	50	97	8	4000	Cu	5	A St	9
Stornoway	30	997.6	0	SW	2	c	•	•	5	•	•	•	•	9
Wick	81	996.1	-1	S	2	c/pC	50	97	8	1500	Nb	7	C St	9
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	999.8	0	W	6	cd	53	97	7	4000	CuNb	9	-	9
Renfrew	56	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	120	998.6	-2	WSW	3	c	53	85	8	4000	Cu	9	-	9
Leuchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1003.6	0	SSW	2	bc+	54	85	7	1500	CuNb	6	-	6
Blacksod Point ...	18	1004.2	+1	WSW	4	c	54	92	7	•	St Cu	8	-	8
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	28	1006.3	0	SWW	4	bc-	53	85	7	~~2500~~ 5000	St Cu	3	A Cu	3
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	30	1004.9	0	WSW	3	c	57	92	7	4000	Cu	8	-	8
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	230	1007.4	0	W'S	3	bc-	53	97	6	2500	St Cu	2	C St	4
Gorleston	14	1007.1	-1	WSW	3	c/r	61	92	7	1500	Nb	4	A St	10
Valentia (Cahirciveen) P	30	1010.9	-1	W	5	o/pR	55	92	8	•	St	10	-	10
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	160	1008.6	0	W	5	bc-	55	85	7	2500	Cu	4	-	4
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	59	•	•	•	•	•	•	•
Croydon	244	1009.5	-3	SWW	3	c/r	59	97	7	2500	Nb	7	A St	9
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1010.0	-3	SW'W	3	o+	57	97	6	1500	St	10	-	10
Scilly (St. Mary's) ...	163	1012.8	0	W'N	5	bc	54	85	8	4000	Cu	5	-	5
Falmouth (Pendennis)	200	1012.9	0	WNW	2	bc-	55	92	7	4000	CuNb	4	-	4
Plymouth (Cattewater)	62	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1010.2	-1	W'N	4	c-	57	85	8	1500	St	4	A Cu	8
Southampton (Calshot)	10	1010.2	-3	W'S	3	od₀	58	97	7	800	St	10	-	10
Dungeness	20	1009.4	-3	WSW	4	~~mo~~	59	97	4	800	St	10	-	10
Guernsey (Fort George) P	295	1012.0	-4	WSW	3	od₀+	59	97	5	1500	Nb	10	-	10

Observations at 7h. 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	Cloud. Upper Form	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	995.1	0	SSW	1	c	52	97	7	4000	St Cu	9	-	9	•
Stornoway	~~1000.7~~ 999.3	+4	-	0	o/r	53	85	7	2500	Nb	10	-	10	0
Wick	996.5	+2	NW	2	c/c	52	97	8	1500	Nb	8	C St	10	0
Tiree	~~1001.0~~ 1002.7	+4	W	4	bc/pR+	52	97	8	1500	CuNb	4	Cu	6	1
Nairn	998.7	•	W	1	bc/r	52	92	8	4000	Cu	7	-	7	•
Aberdeen	997.0	+1	W	2	c/r	54	85	8	2500	CuNb	7	A St	8	0
Malin Head	1005.0	+4	WNW	4	bc/d	55	92	8	4000	CuNb	3	A Cu	4	3
Renfrew	1001.5	+4	W	4	c/p	55	85	8	1500	Cu	9	-	9	•
Edinburgh (Inchkeith)	998.7	+2	W	5	bc-	53	85	8	-	-	0	A Cu	4	3
Leuchars	998.1	+2	W	3	bc-	57	75	8	4000	St Cu	2	Ci	5	•
Eskdalemuir	1001.3	+2	W'N	4	c/pR	51	85	7	1500	~~St~~ Cu	9	-	9	•
Tynemouth	1001.1	-1	SW	3	cC	55	85	6	1500	Nb	9	-	9	0
Blacksod Point ...	1008.3	+4	W	4	c	55	85	8	•	St Cu	9	-	9	4
Donaghadee	1005.0	+4	W	3	bc/pR	55	85	8	2500	CuNb	5	-	5	2
Birr Castle	1008.4	•	W	3	c	55	85	7	1500	Nb	8	-	8	•
Holyhead	1007.1	+2	WSW	4	c	55	92	8	1500	St Cu	9	-	9	3
Liverpool (Bidston) ...	1005.7	0	W'S	5	c/r	55	85	8	2500	Nb	9	-	9	•
Chester (Sealand) ...	1006.1	+1	WSW	4	c+	56	75	8	2500	St	10	-	10	•
Harrogate	1004.2	0	SW'W	5	cC	53	85	7	2500	Nb	9	-	9	•
Spurn Head	1004.9	0	W'S	4	bc-	57	75	7	4000	Cu	1	A St	4	3
Birmingham (Edgbaston)	1008.2	0	WSW	4	bc+	54	75	7	2500	Cu	3	A Cu	4	•
Cranwell	1006.9	0	W	5	b-	56	85	7	4000	St Cu	1	A Cu	2	•
Gorleston	1006.2	0	W	4	b-	56	85	7	-	-	0	Ci	2	0
Valentia (Cahirciveen) P	1013.2	+3	W'N	4	c	56	75	8	1500	St	10	-	10	4
Roches Point	1012.1	+3	WNW	3	c	55	85	8	2500	St Cu	9	-	9	0
Pembroke (St. Ann's H.)	1009.8	+1	W	6	c	56	85	7	1500	St Cu	7	C St	8	4
Ross-on-Wye	1009.4	0	W'S	4	c+	56	75	8	4000	St Cu	9	-	9	•
Leafield	1009.5	+1	W'S	4	b+	54	85	8	5700	St Cu	1	-	1	•
Winchester (Worthy Dn.)	1011.0	+1	SW	3	cR₀	53	85	8	1500	St Cu	8	-	8	•
S. Farnborough ...	1010.6	+1	W'S	3	b	57	75	8	4000	Cu	2	-	2	•
London (Kew Obsy.) ...	1010.3	+1	W'S	4	b+	57	75	8	2500	Cu	1	C St	2	•
Croydon	1010.3	+1	W	4	b	56	85	8	2500	Cu	1	Ci	2	•
Shoeburyness	1009.4	+2	W	3	bc	57	92	7	-	-	0	A Cu	3	•
Clacton-on-Sea ...	1008.4	+1	WNW	4	bc	55	85	7	2500	Cu	2	Ci	7	2
Felixstowe	1008.4	+1	W	4	bc-	57	75	8	4000	Cu	2	C St	5	4
Lympne	1010.3	+3	WSW	3	c	55	85	8	1500	St Cu	8	-	8	•
Scilly (St. Mary's) ...	1014.9	+2	W'N	5	c	55	85	7	4000	St Cu	8	-	8	5
Falmouth (Pendennis)	1014.3	+1	WNW	3	bc-	54	85	8	4000	CuNb	4	A Cu	6	0
Plymouth (Cattewater)	1013.6	+2	WNW	4	bc+	56	85	8	4000	CuNb	3	Ci	4	0
Portland Bill	1012.4	+3	W	4	bc	57	75	8	2500	Cu	7	-	7	4
Southampton (Calshot)	1011.6	+2	W	4	bc+	56	85	7	4000	St Cu	2	A St	3	0
Dungeness	1010.1	+2	NW	3	c/r	57	85	7	1500	St	3	A Cu	8	4
Guernsey (Fort George) P	1015.4	+3	W	5	bc-	57	85	8	2500	Cu	3	A Cu	5	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Thursday, 5th July 1928.

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	PRc	50	65	3	2	4.0	4.2
Douglas (I. o. M.) ...	opr	bc	51	62	20	0.3	3.8	7.9
Llandudno ...	r	odc	53	61	14	1	0.2	7.8
Colwyn Bay ...	orro	oc	54	62	12	1	0.0	7.0
Rhyl	rr	r pr	53	61	10	1	0.0	7.5
Wallasey	orrc	copc	52	61	10	5	0.1	8.6
Southport	rr	ror	* 52	58	32	6	0.0	8.2
Blackpool	orr	oro	52	58	37	3	0.0	7.3
Ilkley	cr	cpc	52	61	6	3	0.2	8.2
Cleethorpes	o	oro	51	65	3	0.5	0.0	10.2
Skegness	or	pro	51	66	3	0.4	0.0	11.0
Aberystwyth ...	Rr	rrbc	48	63	27	8	0.2	4.7
Bath	cp₀	c	57	65	-	Trace	0.7	9.0
Cheltenham ...	o	oc	55	65	Trace	Trace	0.0	9.2
Leamington Spa ...	c	cr	53	65	1	0.1	0.1	8.5
Lowestoft	c	c	56	75	-	-	2.5	10.0
Harwich & Dovercourt	bc	bc	55	73	-	-	9.0	11.0
Maldon								
Southend	bc	bbcc	53	70	-	-	10.3	11.1

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	od	df	56	60	0.3	2	0.0	8.0
Bude	mdod	odod	57	60	0.2	1	0.0	5.8
Penzance	o	orm	56	64	0.2	0.5	0.6	10.5
Paignton	od,poid	mqcdm	57	63	Trace	Trace	0.3	13.0
Torquay	opqdpmqodmq		57	64	-	Trace	0.5	11.6
Jersey	b	bc	55	68	-	-	12.5	14.7
Weymouth	c	cdo	57	61	-	0.2	0.0	13.3
Bournemouth ...	o	o	55	61	-	-	0.2	13.4
Ventnor ...	bbcb	bc	54	60	-	-	8.4	12.9
Portsmouth (S'thsea)	b	bbco	55	66	-	-	8.4	13.6
Bognor	b	bcc	56	64	-	-	10.2	13.5
Littlehampton ...	bc	bc	57	62	-	-	11.4	13.0
Worthing	b	bcb	56	64	-	-	11.2	13.0
Brighton	b	b	56	64	-	-	11.0	14.0
Eastbourne	b	b	55	64	-	-	11.2	13.8
Hastings‡	b	b	55	66	-	-	11.2	13.3
Folkestone	bc	bcbv	54	66	-	-	10.4	12.2
Dover	b	by	55	64	-	-	10.3	13.0
Tunbridge Wells ...	bcb	bc	53	66	-	-	11.0	11.6
Ramsgate	b	b	54	67	-	-	10.2	12.0
Margate	bcb	b	54	70	-	-	10.7	11.1
Deal	b	b	54	69	-	-	10.8	12.2

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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.24.334 Saturday, 7th July 1928.

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	999·7	+6	NNE	3	cjp	52	85	7	4000	StCu	8	-	8	·
Stornoway	1006·5	+9	N	4	o	54	85	7	2500	Nb	10	-	10	·
Wick	1000·9	+4	NW	3	c	55	92	8	1500	Nb	6	CiSt	8	·
Tiree	1007·9	+4	NW	5	o	54	92	7	1500	St	10	-	10	0
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1001·9	+6	NW'W	4	ct	60	85	8	2500	CuNb	8	ACu	9	1
Malin Head	1010·2	+6	NW	5	c	56	92	7	4000	~~Nb~~ StCu	9	-	9	·
Renfrew	1005·7	+5	W	5	c	58	75	8	2500	Cu	9	-	9	1
Edinburgh (Inchkeith)	1002·6	+3	W	5	bc	58	65	8	4000	Cu	4	ACu	5	·
Leuchars	1002·6	+4	W	4	c/pc	61	65	8	4000	CuNb	8	-	8	1
Eskdalemuir	1005·3	+4	W	5	bc/pc	57	75	8	2500	StCu	7	-	7	2
Tynemouth	1004·1	+3	W	6	bcjp	63	65	8	800	CuNb	6	-	6	·
Blacksod Point	1014·8	+3	W	4	bc	58	85	9	*	Cu	7	-	7	·
Donaghadee	1009·7	+3	WNW	4	bc/pc	60	75	8	2500	CuNb	6	-	6	·
Birr Castle	1012·9	*	W	3	c	58	75	7	1500	StCu	9	-	9	·
Holyhead	1010·9	+4	W	4	c	60	75	8	5700	StCu	8	CiSt	8	1
Liverpool (Bidston)	1009·9	+3	W	6	c+	59	75	9	5700	StCu	9	-	9	·
Chester (Sealand)	1009·9	+4	W	5	c	61	65	8	800	StCu	9	-	9	1
Harrogate	1007·8	+3	WSW	5	c	57	75	8	2500	CuNb	9	-	9	·
Spurn Head	1006·5	+1	W'N	6	c+	61	75	7	4000	CuNb	6	ACu	8	·
Birmingham (Edgbaston)	1011·4	+3	WNW	4	cjp	58	65	8	4000	StCu	9	-	9	1
Cranwell	1009·5	+4	W'S	5	c	61	75	7	2500	StCu	9	-	9	0
Gorleston	1008·8	+1	W'S	4	c+	63	65	7	2500	Nb	8	-	8	·
Valentia (Cahirciveen)	1017·2	+4	W	3	bc/pc	57	92	8	800	StCu	7	-	7	5
Roches Point	1015·4	+3	NW	3	c	60	85	9	2500	StCu	9	-	9	·
Pembroke (St. Ann's H.)	1013·1	+3	W	5	c+	57	85	7	1500	StCu	9	-	9	·
Ross-on-Wye	1012·4	+3	W'S	4	c	61	65	9	4000	StCu	9	-	9	0
Leafield	1012·2	+2	W'S	5	c	60	75	8	4000	StCu	9	-	9	0
Winchester (Worthy Dn.)	1014·0	+3	WSW	4	c	62	65	8	2500	StCu	9	-	9	0
S. Farnborough	1013·0	+2	W	4	c/pc	63	65	8	2500	StCu	10	-	10	0
London (Kew Obsy.)	1012·8	+3	WSW	4	c	62	65	8	2500	StCu	6	ACu	10	1
Croydon	1013·0	+3	WSW	5	c+	63	65	8	2500	StCu	10	-	10	0
Shoeburyness	1012·0	+2	WSW	4	c+	62	85	8	2500	StCu	8	ASt	9	·
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1010·9	+2	WSW	5	c	64	55	8	800	CuNb	7	ASt	10	1
Lympne	1013·0	+3	SW	5	c-	61	75	7	4000	Cu	8	-	8	0
Scilly (St. Mary's)	1019·0	+2	W	6	c	57	85	7	4000	StCu	5	Ci	8	·
Falmouth (Pendennis)	1017·4	+2	WNW	6	c+	61	75	8	4000	CuNb	8	-	8	·
Plymouth (Cattewater)	1016·6	+3	W	5	c	60	75	8	4000	Cu	9	-	9	0
Portland Bill	1014·8	+1	SW	5	c	58	85	8	1500	StCu	9	-	9	·
Southampton (Calshot)	1014·1	+1	SW'W	5	c	62	75	8	2500	StCu	7	ACu	9	1
Dungeness	1013·8	+2	WSW	6	c+	61	85	8	2500	StCu	6	ACu	8	·
Guernsey (Fort George)	1018·7	+3	WSW	6	c	59	85	8	1500	CuNb	4	ASt	9	·

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	1005·3	+8	N'W	4	cjp	51	75	8	4000	StCu	8	-	8	·
Stornoway	1012·1	+7	N	4	c	53	75	8	4000	CuNb	9	-	9	3
Wick	1008·5	+9	NW	4	c	50	97	8	1500	Nb	8	CiSt	10	0
Tiree	1012·0	+5	N'W	5	bc	53	85	8	2500	StCu	6	-	6	3
Nairn	1009·9	*	WNW	4	c/T	52	92	8	4000	CuNb	8	-	8	·
Aberdeen	1006·8	+7	NW	4	c/pc	55	85	8	1500	Cu	10	-	10	0
Malin Head	1014·8	+6	NNW	4	c	54	92	7	4000	Cu	2	ACu	9	1
Renfrew	1009·9	+5	W	4	bc	59	65	8	4000	Cu	3	-	3	·
Edinburgh (Inchkeith)	1008·8	+5	NW	4	cT	57	75	8	2500	CuNb	9	-	9	2
Leuchars	1007·9	+8	NW	4	bc/r	62	65	8	5700	StCu	4	ACu	5	·
Eskdalemuir	1009·4	+6	W'N	4	bc	55	75	8	2500	StCu	7	-	7	·
Tynemouth	1009·2	+4	W	5	bc/r	61	65	8	1500	Cu	3	-	3	1
Blacksod Point	1016·9	+3	N	4	bc-	57	75	8	*	Cu	6	-	6	2
Donaghadee	1014·2	+5	NW	3	bc/pc	57	75	8	2500	CuNb	5	-	5	2
Birr Castle	1015·5	*	W	3	c/pc	59	75	7	1500	Nb	8	ACu	9	·
Holyhead	1014·2	+4	WNW	4	c	57	85	8	2500	StCu	9	-	9	1
Liverpool (Bidston)	1013·2	+4	W	6	c	58	75	8	2500	StCu	9	-	9	·
Chester (Sealand)	1012·9	+3	W'N	6	c	60	65	8	2500	Cu	3	ACu	8	·
Harrogate	1010·9	+3	SW	5	b	58	65	8	4000	CuNb	1	ACu	2	·
Spurn Head	1008·9	+2	W'N	6	bc-	62	65	7	4000	Cu	4	ACu	5	4
Birmingham (Edgbaston)	1014·5	+3	W	4	c	58	65	6	4000	StCu	9	-	9	·
Cranwell	1012·2	+4	W	4	c	60	75	8	2500	StCu	8	-	8	·
Gorleston	1011·0	+3	WNW	4	c	64	65	7	5700	StCu	6	ACu	9	0
Valentia (Cahirciveen)	1019·2	+2	W'N	4	c/pc	57	85	8	800	St	8	-	8	3
Roches Point	1017·5	+3	WNW	3	oV	60	85	9	2500	StCu	9	-	9	0
Pembroke (St. Ann's H.)	1016·0	+3	W	4	c+	57	85	8	2500	StCu	9	-	9	2
Ross-on-Wye	1014·7	+2	WSW	3	c	61	65	9	4000	StCu	7	CiSt	8	·
Leafield	1014·6	+2	W	4	c-	59	75	8	4000	StCu	9	-	9	·
Winchester (Worthy Dn.)	1016·0	+3	W	4	c	61	65	8	2500	StCu	7	Ci	8	·
S. Farnborough	1015·1	+3	W'S	4	c	64	65	8	4000	StCu	9	-	9	·
London (Kew Obsy.)	1014·8	+2	WSW	4	c-	63	55	8	1500	StCu	4	ACu	8	·
Croydon	1015·1	+3	WSW	4	c-	63	65	8	2500	StCu	9	-	9	·
Shoeburyness	1014·6	+2	WNW	2	c-	62	85	8	2500	StCu	6	ACu	8	·
Clacton-on-Sea	1013·3	+2	W	4	bc	63	65	7	4000	StCu	6	ACu	7	3
Felixstowe	1013·3	+4	WSW	4	c	64	55	7	4000	Cu	6	ACu	8	3
Lympne	1015·2	+3	SW	5	bc-	60	75	8	4000	StCu	6	ACu	7	·
Scilly (St. Mary's)	1020·1	+2	W	5	c+	57	85	8	4000	StCu	8	-	8	5
Falmouth (Pendennis)	1019·9	+2	WNW	5	bc	59	75	8	4000	CuNb	7	-	7	1
Plymouth (Cattewater)	1018·8	+2	W	4	c	58	85	8	4000	Nb	9	-	9	1
Portland Bill	1016·8	+2	SW'W	4	c	58	85	8	2500	StCu	8	Ci	9	4
Southampton (Calshot)	1016·7	+2	WSW	3	c-	61	75	8	4000	StCu	7	ACu	9	0
Dungeness	1015·6	+3	WSW	7	bc-	61	85	8	2500	StCu	4	CiSt	7	6
Guernsey (Fort George)	1020·3	+3	WSW	5	c	58	85	8	1500	StCu	9	-	9	5

London Observations. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.	Heights 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.	Humidity 13h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day	Visibility 9h
Kew	18	bbcc	ccy	cybc	65	55	52	-	-	4·2	*	*	8
Croydon	244	bcc	$od_o r$	cbc	64	54	52	Tr	-	4·1	*	*	8
Greenwich (Royal Obsy.)	149	$c p_o$	c	cbccmbg	69	55	47	Tr	-	4·5	61	61	7
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	4·4	*	*	*
Westminster (St. James' Pk.)	77	*	*	*	65	56	51	-	-	4·6	62	62	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	4·0	*	*	*
Camden Square	116	c	c	*	65	55	-	-	-	*	*	64	*
Kensington Palace	80	o	obc	*	65	55	51	-	-	*	(At 18h) 62	56	*
Hampstead Observatory	450	*	*	*	63	52	44	Tr	-	4·0	*	65	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
0·3	7h 7th	<0·3	1h 7th

Kew Observatory Max.	Time.	Min.	Time.
0·1	6h 7th	<0·1	13h 6th

Pole Star Record at Greenwich Obsy.

Exposure from 6th 21h 45m. to 7th 2h 15m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	4·30	1·7	25
δ Ursae Minoris	4·30	0·28	10

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 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.

7th July 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·40 3·41	11·59 11·59	20·14 20·14
Greenwich	3·54 3·54	12·05 12·05	20·15 20·15
Wick	3·19 3·21	12·17 12·17	21·14 21·13
Valentia	4·32 4·33	12·46 12·46	20·55 20·58

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—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 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. ⊕ = 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 }
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.

§ Telegraphic Code for Surface Visibility.

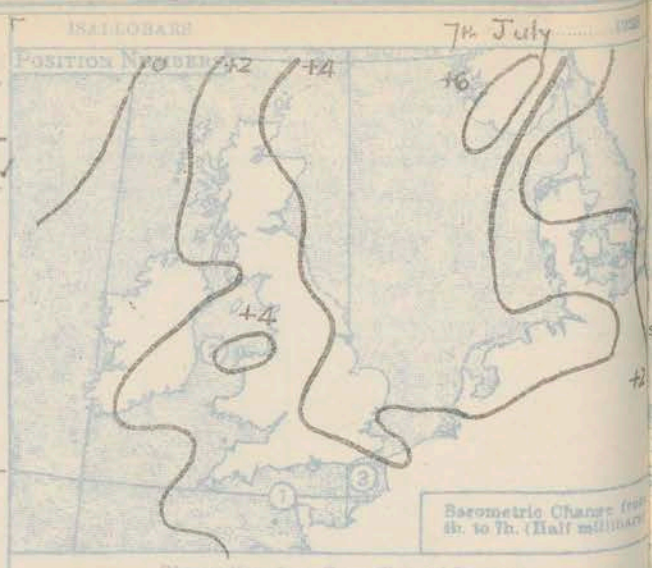
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ „
6. Moderate.	6¼ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

† 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. 6th	Weather. 18h.-18h. 6th	Weather. 18h. 6th to 1h. 7th	Weather. 1h.-7h. 7th	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 6th Hours.
Lerwick	c o r	c	c	c i p r	55	45	•	1	9.00	Trace	6.30	4.1
Stornoway	p	c	o	c	54	44	•	0.1	–	0.2	–	2.8
Wick	c p r c	c r c	c	b b c	57	44	•	0.3	11.00	–	–	
Tiree	b c c o	b c c b c	b o c	p r c	55	50	47	–	–	0.5	3.30	1.8
Nairn	P R b c	b c p r c	c p b c	b c	57	48	•	4	18.00	0.2	<21.00	0.1
Aberdeen	c p r p r	c p r	c p r b c c	c b c	61	47	41	2	11.00	Trace	<21.00	2.3
Malin Head	b c c ε	c ε	c b b b c c e	c	57	50	•	–	–	–	–	3.4
Renfrew	c p c c q	c q b c	b c	b c b w	61	41	31	Trace	9.00	–	–	8.5
Edinburgh (Inchkeith)	b - b c	b c c r	c	c b c	61	49	45	Trace	17.30	–	–	9.8
Leuchars	b c c, P	b c c p	b c w	b c w	66	41	34	2	11.00	–	–	8.2
Eskdalemuir	c c p r b c	b c c p r b c	b c	b c b b c	59	41	37	0.1	9.00	–	–	6.1
Tynemouth	c b c p q	b c p q	b c p q b c	b c c	65	50	45	Trace	18.00	0.5	<21.00	•
Blackwod Point	c	c (r)	c b	b	58	46	•	0.1	•	–	•	•
Donaghadee	b c p r	b c p r	p r b c	b c w	62	46	•	0.6	18.00	Trace	<21.00	•
Birr Castle	c	c p r	c p r	b c	61	43	34	0.1	17.30	0.3	<21.00	1.6
Holyhead	c	c	c	b c	62	53	49	–	–	–	–	2.3
Liverpool (Bidston)	c q v	c c q	c	c w b c	60	52	48	–	–	–	–	2.9
Chester (Sealand)	c q v c	c	c	c b c	62	53	49	Nil	–	–	–	1.2
Harrogate	c b c p	c b c b	b b c	b c c	61	50	47	0.4	18.00	–	–	8.4
Spurn Head	b c c	c b c	b c	b c	62	51	•	–	–	–	–	8.4
Birmingham (Edgbaston)	b c r c	c	c	c b c	59	49	41	Trace	9.00	–	–	2.9
Cranwell	b c c	c	c b	c	62	49	46	–	–	–	–	7.1
Gorleston	b b c c	c	c	b c c	65	50	47	–	–	–	–	4.9
Valentia (Cahirciveen)	c p b c	b c p c	c	c	59	54	52	0.1	18.00	–	–	3.2
Roches Point	c v	c v	c v q	c v q	62	53	•	–	–	–	–	•
Pembroke (St. Ann's H.)	c	c b c c	c	c b c	58	53	•	–	–	–	–	3.2
Ross-on-Wye	c p c	c v	c	b c b w	63	52	45	Trace	11.00	–	–	3.0
Leafield	b c c	c p c	b c w	b c	61	50	43	Trace	16.30	–	–	4.6
Winchester (Worthy Dn.)	c r c	c	c	c	63	50	47	Trace	18.00	–	–	2.1
S. Farnborough	b b c c	c	c b c	b c w c	66	52	47	Trace	12.30	–	–	5.9
London (Kew Obsy.)	b b c c	c c q	c q b c	b c	65	55	52	–	–	–	–	4.2
Croydon	b c c	c d r	c b c	c b c	64	54	52	Trace	14.30	–	–	4.1
Shoeburyness	b c c	c	c	c b c	67	55	52	–	–	–	–	5.9
Clacton-on-Sea	b c c	c b c	b c c	c b c	66	55	53	–	–	–	–	5.5
Felixstowe	b c q c	c q r c	c q c	c b c	66	55	52	Trace	15.30	–	–	5.2
Lympne	c b c c	c p r c b c	b c	b c c	64	50	46	Trace	13.30	–	–	6.8
Scilly (St. Mary's)	c p	c b c	c	c b c	61	55	•	0.1	9.00	–	–	5.2
Falmouth (Pendennis)	b c p r c o	c b c p q	b c c b c	b c c d	62	53	•	Trace	9.00	Trace	3.30	5.3
Plymouth (Cattewater)	b c c q	c q r	c b c	b c w c	61	56	55	Trace	19.30	–	–	2.6
Portland Bill	b c c	c	c	c b c	60	56	•	–	–	–	–	•
Southampton (Calshot)	b c c	c	b c c	b b c w c	64	51	49	–	–	Trace	–	3.9
Dungeness	c. c q	c b c q	b c b c	b c c	66	52	•	–	–	–	–	•
Guernsey	b c b b c p q	c q	c	c	60	53	•	Trace	13.30	–	–	4.4



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.
2	10h 6th	Scotia	SW's	1	c	58	54
3	2h 7th	Brighton	WNW	5	bc-	56	56

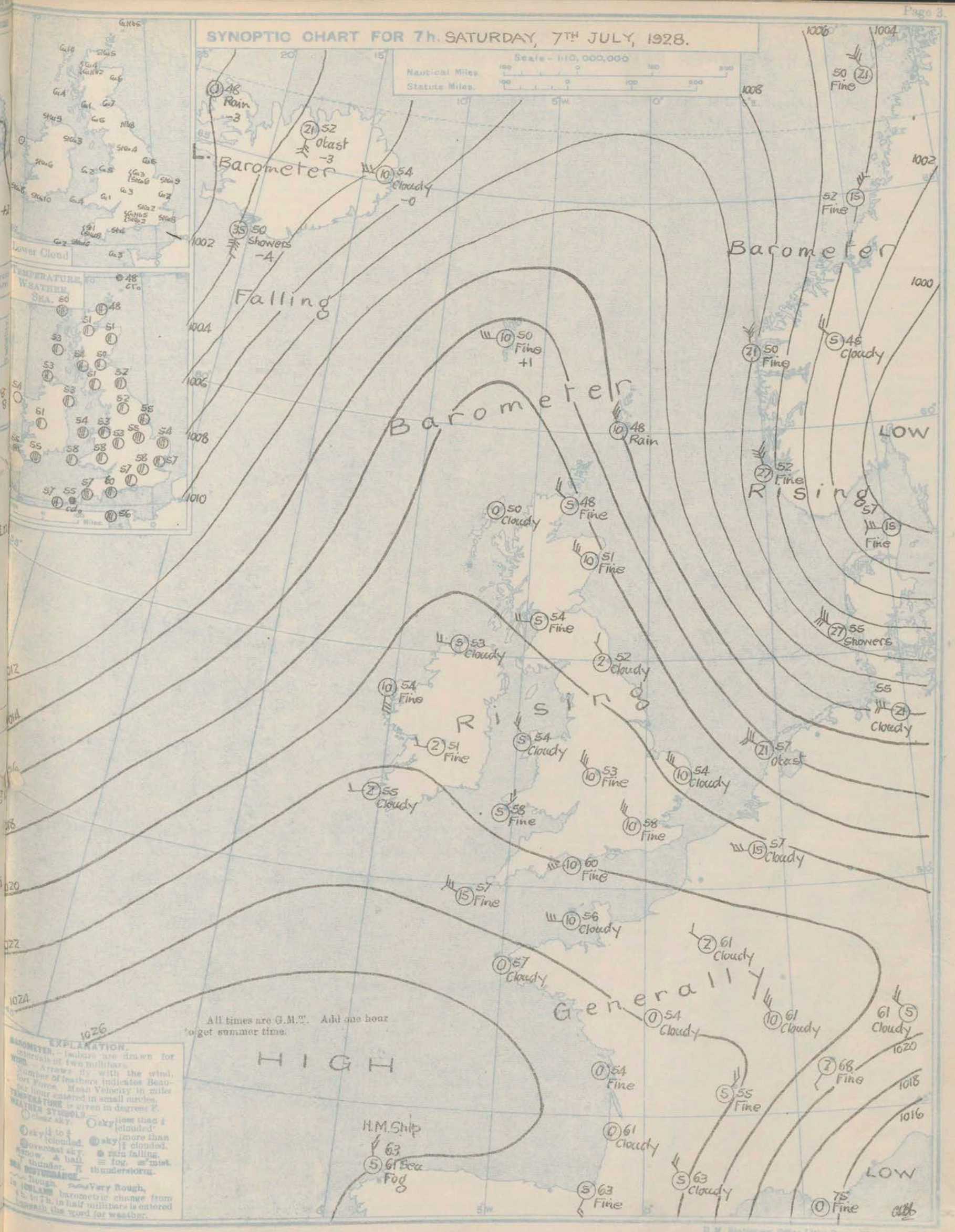
GENERAL INFERENCE.

An anticyclone over the Bay of Biscay is spreading up over the British Isles and a depression near Iceland is movin northeast. Weather will be fair and warmer except in the extreme Northwest.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Saturday, 7th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind N.W. to W., light; fair; warmer.	Fair and warmer except in the extreme northwest. In the south-eastern and midland part of England, some days of fine and much warmer weather are indicated.
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind W. to S.W., light or moderate; fair; warmer.	
13. A. W. Scotland B. N.W. Scotland	Wind S.W., light or moderate, freshening; becoming cloudy, local drizzle later; temperature rising.	
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	As 11-12.	
17. N.W. Ireland	As 13.	
18. N.E. Ireland 19. S.E. Ireland	As 11-12.	
20. S.W. Ireland	As 13.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0850 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. SATURDAY, 7TH JULY, 1928.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
L. Barometer
Falling
Barometer
Rising
Generally
Rising
Barometer
LOW
HIGH
LOW
All times are G.M.T. Add one hour to get summer time.
H.M.Ship
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 ¼ clouded.
sky ¼ to ½ clouded.
sky more than ½ clouded.
overcast sky.
rain falling.
snow. hail.
fog. mist.
thunder. thunderstorm.
SEA DISTURBANCE.—
Rough. Very Rough.
IN ICELAND barometric change from 6 to 7 h. in half millibars is entered beneath the word for weather.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION. Saturday, 7th July 1928. No. 189.

Observations at 1h. G.M.T. 7th — Observations at 7h. G.M.T. 7th.

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	1011·7	+3	NNW	3	c	46	75	8	5700	StCu	8	–	8	1014·0	+4	N'W	3	cfo	48	85	7	4000	CuNb	5	A St	9	*
Stornoway	30	1018·1	+3	N	3	c	*	*	6	*	*	*	*	9	1019·0	+2	–	0	c	50	85	7	4000	Cu	10	–	10	0
Wick	31	1015·0	+3	NW	2	bc	45	97	8	1500	CuNb	3	CiSt	5	1018·1	+4	NW	2	bc	48	92	8	2500	StCu	5	–	5	0
Tiree	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·2	+2	NW	1	bc	53	75	8	2500	Cu	4	CiCu	6	1
Nairn	83	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·1	*	NW	1	bc	51	85	8	4000	Cu	6	–	6	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·1	+4	NWxW	3	bc+	51	75	8	2500	Cu	6	–	6	0
Malin Head	31	1018·3	+2	WNW	2	c	52	97	7	4000	CuNb	2	ACu	8	1020·8	+2	W'N	2	c	53	85	8	4000	StCu	9	–	9	0
Renfrew	28	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·7	+3	W	2	bc+	54	75	8	4000	Cu	1	Ci	7	*
Edinburgh (Inchkeith)	180	1015·5	+6	NW	3	c	53	85	8	4000	Cu	6	ACu	8	1018·9	+3	W	3	bc+	50	85	7	4000	Cu	7	–	7	1
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·4	+3	WNW	2	bc	54	65	8	5700	StCu	2	Ci	5	*
Eskdalemuir	784	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·5	+2	SE'S	1	bc+	51	75	8	4000	Cu	5	Ci	7	*
Tynemouth	97	1015·4	+6	N	3	bc	52	85	7	1500	Cu	3	–	3	1019·1	+4	NNW	1	c	52	75	8	1500	Nb	8	–	8	1
Blacksod Point	18	1020·2	+2	–	0	bc	49	85	8	*	Cu	3	–	3	1020·7	+4	S	3	b	54	92	8	*	–	0	–	0	2
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·9	+2	W	2	bc-	53	85	8	4000	StCu	3	Ci	5	1
Birr Castle	172	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·7	*	W	1	bc-	51	97	7	2500	StCu	6	–	6	*
Holyhead	28	1018·8	+4	NW'N	3	bc-	55	85	8	5700	CuNb	9	–	9	1021·4	+4	NNW	2	c+	54	85	7	2500	Cu	2	Ci	8	1
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·2	+4	WNW	2	bc-	53	85	7	2500	Cu	5	Ci	5	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·5	+3	W'N	3	bc-	55	85	7	2500	Cu	4	Ci	7	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·5	+3	W	3	bc-	52	75	7	7200	StCu	4	Ci	5	*
Spurn Head	39	1013·7	+3	WNW	6	bc+	55	85	6	4000	CuNb	5	ACu	7	1019·8	+4	N	4	bc	55	85	6	4000	Cu	5	CiCu	6	3
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·3	+2	NNW	3	bc+	53	75	6	4000	Cu	3	Ci	5	*
Cranwell	236	1016·9	+5	W'N	3	b-	50	92	6	2500	StCu	1	–	1	1020·8	+4	N	2	c	55	85	7	2500	StCu	9	–	9	*
Gorleston	14	1014·9	+2	W'N	3	bc-	58	85	7	–	–	0	ACu	5	1018·7	+4	NW	3	c	54	85	7	5700	StCu	9	–	9	0
Valentia (Cahirciveen)	30	1022·1	+3	W	3	o	54	97	8	*	St	10	–	10	1022·6	+1	W'S	1	c	55	75	8	1500	StCu	8	–	8	3
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·9	+3	NW	1	cv	55	92	9	2500	StCu	10	–	10	0
Pembroke (St. Ann's H.)	160	1019·3	+2	NW	3	c	56	92	8	1500	StCu	8	–	8	1021·4	+2	NE'E	2	bc-	58	85	8	2500	Cu	4	ACu	5	1
Ross-on-Wye	222	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·4	+3	NW	2	bc	58	75	8	4000	Cu	1	Ci	3	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·5	+5	NNW	2	bc+	54	75	8	2500	Cu	3	Ci	6	*
Winchester (Worthy Dn.)	273	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·5	+3	NW	2	c	56	92	7	5700	StCu	9	–	9	*
S. Farnborough	250	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·2	+3	NW	2	bc	57	85	7	2500	CuNb	7	–	7	*
London (Kew Obsy.)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	1021·3	+4	NNW	3	bc	58	65	7	4000	StCu	2	Ci	7	*
Croydon	244	1018·6	+4	W'S	3	c+	55	85	8	5700	StCu	8	–	8	1021·2	+3	NW	3	bc-	58	85	7	2600	Cu	5	Ci	7	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·7	+4	NW	3	bc	55 (9)	85	8	4000	StCu	4	Ci	6	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·8	+4	NW	4	bc	57	75	7	2500	Cu	2	ACu	4	1
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·1	+3	NW	3	bc	57	75	7	2500	Cu	4	Ci	5	2
Lympne	350	1018·5	+3	W'S	2	bc	51	92	8	–	–	0	ACu	6	1020·7	+3	NW	3	c	57	85	6	–	–	0	ACu	9	*
Scilly (St. Mary's)	168	1021·4	0	W'N	4	c	55	85	8	4000	StCu	8	–	8	1023·6	+2	NW'W	4	bc-	57	85	7	4000	Cu	2	ACu	4	3
Falmouth (Pendennis)	209	1022·0	+2	WNW	3	bc+	54	92	8	4000	Cu	5	–	5	1023·4	+2	W'N	2	cdo	55	97	8	4000	StCu	10	–	10	0
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·6	+3	WNW	1	c	57	85	8	2500	StCu	9	–	9	0
Portland Bill	32	1019·9	+2	W'S	3	c	57	85	8	2500	St	9	–	9	1022·0	+3	WSW	3	bc-	60	85	8	1500	St	4	–	4	1
Southampton (Calshot)	10	1019·3	+2	W	3	c+	54	85	7	4000	StCu	4	ACu	9	1021·5	+3	WNW	2	c	55	85	7	7200	StCu	8	–	8	0
Dungeness	20	1018·8	+2	WNW	3	bc-	56	92	8	–	–	0	ACu	6	1021·4	+3	WNW	3	c+	59	85	8	4000	StCu	8	ACu	10	2
Guernsey (Fort George) P	205	1022·0	0	W	2	c+	56	85	7	4000	StCu	10	–	10	1023·5	+2	W	3	c	56	85	7	2500	Cu	3	ACu	8	3

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

Stations (1)	Weather Fore-noon (2)	Weather After-noon (3)	Temperature Min. 9h.-5th. to 9h.-6th. (4) °F	Temperature Max. 9h.-17h. 6th. (5) °F	Rainfall† Night 17h.-9h. 5th.-6th. (6) mm.	Rainfall† Day 9h.-17h. 6th. (7) mm.	Sunshine Sunrise to 17h. 6th. (8) hr.	Sunshine Sunrise to Sunset. 5th. (9) hr.
Berwick-on-Tweed	bbc	bc	51	65	0·2	–	6·5	4·0
Douglas (I. o. M.)	cp	cpbc	52	59	0·5	0·5	1·8	6·2
Llandudno	bbc	cbc	54	62	–	–	3·5	1·1
Colwyn Bay	cbcc	bcc	56	62	–	–	1·4	0·2
Rhyl	bc	bcc	54	63	–	–	5·1	0·0
Wallasey	cbcc	bcc	52	61	0·3	–	1·2	0·1
Southport	bccoc	coco	*54	60	–	–	1·4	1·1
Blackpool	c	c	57	60	–	–	0·6	1·0
Ilkley	pbc	bc	51	61	1	1	3·7	0·3
Cleethorpes	bc	b	52	64	–	–	7·6	0·0
Skegness	cbcc	c	49	63	0·4	–	6·2	0·0
Aberystwyth	pobcc	c	54	61	0·3	–	0·8	1·4
Bath	cbcb	bbcc	53	65	3	–	6·0	0·7
Cheltenham	co	oco	51	64	0·8	–	1·8	0·0
Leamington Spa	cd	cd	49	63	0·4	0·1	3·4	0·1
Lowestoft	c	c	56	65	0·2	–	3·9	2·5
Harwich & Dovercourt	bc	bc	54	65	2	–	5·2	9·9
Maldon	bcc	bcc	54	67	0·3	–	4·5	10·3
Southend	bcoc	oc	54	67	1	–	5·4	11·2

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	oc	o	55	69	–	–	0·1	0·0
Bude	bcbc	bcoco	55	61	0·5	–	2·3	0·0
Penzance	b	b	51	64	1	–	5·7	0·6
Paignton	cbcp	c	53	66	–	Trace	5·1	0·4
Torquay	c	c	53	64	–	–	4·9	0·5
Jersey	bc	c	64	60	1	–	4·0	15·3
Weymouth	beb	c	52	65	1	–	4·2	0·0
Bournemouth	bbc	o	50	64	0·5	–	4·5	0·2
Ventnor	rbc	c	51	61	1	–	6·0	8·5
Portsmouth (S'thsea)	bc	co	53	64	2	–	4·5	8·4
Bognor	bcbc	cbcc	53	65	1	–	5·4	10·7
Littlehampton	bc	c	53	62	1	–	5·5	11·4
Worthing	bcc	c	53	63	2	–	4·8	12·6
Brighton	bcoc	cbco	55	63	2	–	4·1	12·6
Eastbourne‡	bcc	cbcc	55	63	1	–	6·8	13·5
Hastings‡	bcbbc	cbcc	55	64	0·1	–	5·6	13·3
Folkestone	roc	c	56	65	0·1	–	5·7	12·7
Dover	ybcc	c	57	66	0·2	–	5·1	12·7
Tunbridge Wells	bcc	coc	54	65	0·3	–	4·5	12·8
Ramsgate	c	c	54	65	0·5	–	0·0	12·4
Margate	bc	bc	57	67	–	–	5·3	12·9
Deal	bcbc	bcc	57	67	–	–	8·8	13·1

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 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.24,335 Sunday 8th July 1928. Page 1.

Observations at 13h. G.M.T. 7th / Observations at 18h. G.M.T. 7th

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud 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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1017.2	+1	NNW	3	c/r	50	75	8	4000	Cu	5	A.Cu	9	•	1018.1	+1	NW	2	c	50	75	8	4000	Cu	5	A St	8	•
Stornoway	1013.4	-1	-	0	c	55	75	7	4000	Cu	10	-	10	•	1016.0	-2	S	2	c	56	85	8	4000	Cu	6	A Cu	8	1
Wick	1020.2	+2	NW	2	bc	54	97	8	2500	St.Cu	5	Ci	6	•	1019.4	-1	ESE	1	bc	51	85	8	2500	St Cu	3	Ci	5	0
Tiree	1021.1	0	W'N	1	bc	56	55	9	4000	Cu	3	Ci	4	0	1019.0	-1	S	4	bc	55	75	9	4000	St Cu	2	A.Cu	5	1
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.1	•	-	0	bc-	62	55	8	4000	Cu	3	-	3	•
Aberdeen	1021.0	+1	WNW	2	c	57	65	8	2500	St.Cu	8	-	8	1	1020.9	-1	SSE	3	bc⊕	52	75	7	1500	Cu	3	Ci St	7	0
Malin Head	1021.1	0	ENE	3	bc	56	85	9	4000	Cu	1[2]	Ci Cu	3	•	1018.1	-3	ENE	3	b	58	85	8	4000	Cu	1	A Cu	2	0
Renfrew	1021.3	+1	WNW	2	bc	61	55	9	4000	St.Cu	7	-	7	0	1020.8	-1	SW	3	bc	59	65	9	-	-	0	Ci	7	•
Edinburgh (Inchkeith)	1020.4	+2	W	2	bc	60	55	8	4000	Cu	5	-	5	•	1020.0	-2	WSW	2	bc	60	65	8	-	-	0	Ci	5	1
Leuchars	1020.8	0	NW	3	c	57	75	8	4000	St Cu	9	-	9	0	1020.3	-1	ESE	2	bc	58	75	8	4000	Cu	1	Ci	4	•
Eskdalemuir	1020.2	0	WNW	3	bc	60	45	8	4000	Cu	4	Ci St	6	2	1020.5	0	WSW	4	bc	59	55	8	4000	Cu	3	Ci	5	•
Tynemouth	1021.7	+2	SE	2	bc	56	75	8	1500	Cu Nb	6	-	6	•	1021.7	0	SE	3	bc	54	75	8	800	St	3	Ci	5	2
Blacksod Point	1020.4	-2	S	4	bc	58	75	9	•	Cu	6	-	6	•	1017.6	-3	S	5	e	56	85	9	•	St Cu	9	-	9	2
Donaghadee	1022.0	0	SE	2	bc+	56	75	8	4000	St Cu	5	-	5	•	1020.7	-1	SSW	3	b	59	75	8	4000	Cu	1	Ci Cu	2	2
Birr Castle	1021.0	•	SW	3	c+	66	65	8	1500	Cu	8	-	8	•	1019.4	•	S	3	c	64	65	8	4000	St Cu	6	A Cu	9	•
Holyhead	1023.3	+1	NNW	1	b	57	85	8	2500	Cu	2	Ci	2	1	1022.7	-1	SW'S	3	b	58	85	8	4000	Cu	1	Ci St	1	1
Liverpool (Bidston)	1023.3	+1	WNW	3	b	58	75	8	2500	Cu	1	Ci	1	•	1023.0	-1	NW	1	b	60	55	8	2500	Cu	1	Ci	1	•
Chester (Sealand)	1022.5	0	NW'N	3	b-	63	55	8	4000	Cu	1	Ci	2	1	1022.4	0	NW'W	3	b	61	55	8	4000	Cu	1	-	1	•
Harrogate	1021.7	+2	SW	3	bc	61	65	7	4000	Cu	2	A.Cu	6	•	1021.9	+1	SW'W	3	b	61	45	8	-	-	0	Ci	1	•
Spurn Head	1022.6	+2	SE	2	bc	62	65	7	5700	Cu	4	Ci	6	•	1022.0	0	SE'S	4	c+	57	75	7	5700	St Cu	5	Ci Cu	8	2
Birmingham (Edgbaston)	1022.8	+1	WNW	2	bc	62	55	8	4000	St Cu	7	-	7	1	1022.4	0	WSW	1	bc	67	45	8	4000	Cu	4	-	4	•
Cranwell	1022.8	+1	SW	1	c	64	55	7	4000	St Cu	9	-	9	0	1022.6	0	WSW	2	b-	65	55	6	4000	Cu	1	-	1	•
Gorleston	1022.6	+4	NNE	4	bc	59	75	6	4000	Cu	3	A.Cu	6	•	1023.7	+1	SE	3	bc	58	65	6	5700	Cu	1	A Cu	3	0
Valentia (Cahirciveen)	1022.0	-2	S'E	4	c/pr₀	58	75	8	2500	St Cu	10	-	10	5	1020.1	-2	S'E	4	cd₀	58	85	8	800	St	10	-	10	3
Roches Point	1023.3	+1	SW	2	bc	60	85	9	2500	St Cu	2	Ci Cu	4	•	1022.5	0	SW	2	c	60	97	8	2500	St Cu	9	-	9	0
Pembroke (St. Ann's H.)	1023.4	+1	SW'W	2	bc	61	75	8	2500	Cu	3	A.Cu	4	•	1023.4	0	SW'W	2	bc	59	89	8	2500	Cu	2	Ci	3	1
Ross-on-Wye	1022.2	+1	NW	2	bc	67	45	9	4000	Cu	5	-	5	0	1021.7	0	WSW	3	bc	69	45	9	4000	Cu	4	-	4	•
Leafield	1022.4	+2	NW	1	bc	64	55	9	4000	Cu	6	-	6	0	1022.3	0	WSW	2	b	66	45	9	4000	Cu	1	-	1	•
Winchester (Worthy Dn)	1022.6	+1	SW	1	bc	69	55	8	4000	St Cu	7	-	7	0	1022.7	0	S'W	3	bc	64	75	8	5700	St Cu	6	-	6	•
S. Farnborough	1022.6	+1	WNW	2	bc	67	45	8	4000	Cu	5	-	5	0	1022.7	0	SW	2	bc	67	55	8	4000	Cu	2	A Cu	3	•
London (Kew Obsy.)	1023.3	+1	N	2	bc	65	45	8	4000	Cu	2	A.Cu	6	0	1023.1	0	SW'W	2	bc	70	45	8	4000	Cu	3	Ci	4	•
Croydon	1022.9	+1	NW'N	1	c	64	55	8	5700	St Cu	8	-	8	0	1022.9	0	SW'W	2	bc	67	55	8	4000	Cu	7	-	7	•
Shoeburyness	1023.4	+1	-	0	c	64	75	8	4000	St Cu	6	A.Cu	8	•	1023.5	0	ESE	1	b	63	85	8	-	-	0	A.Cu	1	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.1	+1	ESE	4	bc	60	85	7	4000	Cu	4	-	4	3
Felixstowe	1023.0	+2	N'W	1	c	63	55	8	1500	St Cu	5	A.Cu	8	0	1024.5	+4	ESE	3	bc	59	75	8	-	-	0	A.Cu	3	1
Lympne	1023.1	+1	SSW	1	c	61	85	7	4000	St Cu	9	-	9	0	1023.6	0	SE	1	bc-	62	75	7	4000	St Cu	6	-	6	•
Scilly (St. Mary's)	1025.0	0	W'S	3	bc	62	65	9	4000	Cu	4	-	4	•	1024.4	0	WSW	3	b	59	75	8	4000	Cu	1	A.Cu	2	1
Falmouth (Pendennis)	1024.3	-1	SSE	2	c	59	92	8	4000	Cu Nb	7	A.Cu	9	•	1024.7	0	W	3	bc-	61	75	8	4000	Cu	4	-	4	0
Plymouth (Cattewater)	1023.9	+1	WSW	3	c	61	75	8	4000	Cu	8	A.Cu	9	0	1024.1	0	SW	3	b	61	85	8	4000	Cu	1	A.Cu	1	0
Portland Bill	1023.1	+1	SW	3	bc	61	85	8	2500	St Cu	4	A.Cu	7	•	1023.6	0	SW	4	b-	59	85	8	2500	St Cu	1	-	1	1
Southampton (Calshot)	1023.4	+1	SW'W	4	c	67	65	8	4000	St Cu	7	A.Cu	8	0	1023.7	0	SW'W	4	b	66	65	8	4000	St Cu	1	A.Cu	2	0
Dungeness	1023.4	+3	SW	3	bc-	62	85	8	2500	Cu Nb	7	-	7	•	1024.6	+1	WSW	3	bc-	60	92	7	2500	St Cu	6	-	6	2
Guernsey (Fort George)	1025.0	+1	W	3	bc-	62	75	8	2500	Cu	4	A.Cu	6	•	1025.4	0	W	2	b-	59	75	9	5700	St Cu	2	-	2	0

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

Station	Height above M.S.L. in feet	Weather: Morning	Weather: Afternoon	Weather: Night (24 hours ended 9h.)	Temp. Max. Day °F.	Temp. Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall Night	Sunshine to Sunset hrs.	Humidity 13h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h
Kew	18	bcy	bcy	cybcb	71	53	44	-	-	8.9	•	•	•
Croydon	244	ccy	cbcy	bcybmy	68	51	42	-	-	10.1	•	•	•
Greenwich (Royal Obsy.)	149	bcc	c3,bc	bcwbmb	73	50	36	-	-	7.5	45	54	8
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	8.3	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	71	53	46	—	—	~~10.8~~ 10.1	43 8.8	58	•
Regent's Pk. (Botanic Gdns).	188	•	•	•	•	•	•	•	•	•	•	55	•
Camden Square	110	m:bc	bcc	•	73	64	-	-	-	•	(At 18h) 40	49	•
Kensington Palace	60	bc	bc	•	71	53	46	-	-	•	•	•	•
Hampstead Observatory	450	•	•	•						9.6	•		

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington			
Max.	Time.	Min.	Time.
<0.3 Throughout			

Kew Observatory			
Max.	Time.	Min.	Time.
<0.1 Throughout			

POLE STAR RECORD at Greenwich Obsy.

Exposure from 7th 21 30 m. to 8th 2 30 m.

Stars	Exposure h. m.	Record h. m.	%
Polaris	5.0	5.0	100
δ Ursae Minoris	5.0	5.0	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. 8th-9th July, 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.41 / 3.42	11.58 / 11.58	20.14 / 20.13
Greenwich	3.54 / 3.55	12.05 / 12.05	20.15 / 20.14
Wick	3.21 / 3.22	12.17 / 12.17	21.13 / 21.12
Valentia	4.33 / 4.34	12.46 / 12.46	20.58 / 20.57

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—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. ⊎ = inner 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.	

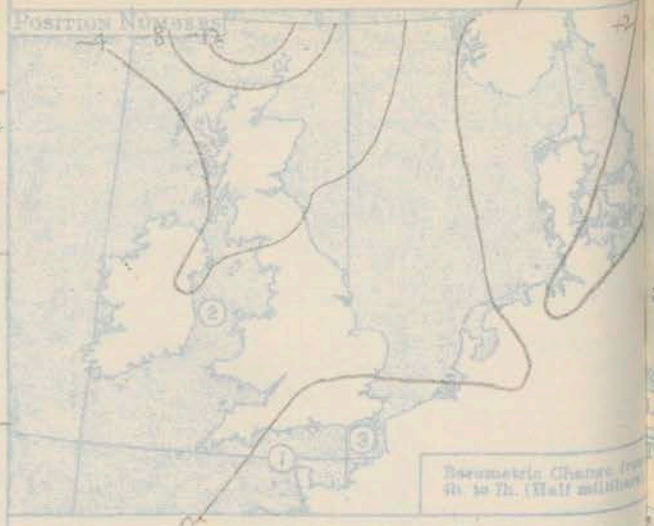
† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS

Stations.	Weather. 7h.-13h. 7th.	13h.-18h. 7th.	18h. 7th. to 1h. 8th.	1h.-7h. 8th.	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min. on Grass	Rainfall† Day. 7h.-18h. mm.	began.	Night. 18h.-7h. mm.	began.	Sun. 7th. Hours.
Lerwick	cbr	c	bc	bcc	52	44	•	0.4	<8.00	-	-	5.9
Stornoway	c	c	o	r-d	56	51	•	-	-	1	2.30	2.1
Wick	bbc	bbc	b-bc	b-bc	55	49	•	-	-	-	-	•
Tiree	cbc	bccjb	bcc	cr.m.	59	52	51	-	-	1	2.30	6.7
Nairn	bc	bc	bc	bc	63	47	•	-	-	-	-	9.3
Aberdeen	c	cbc	bcb,c	c	57	48	45	-	-	-	-	6.7
Malin Head	cbcv	bcb	bbcc	cc	58	57	•	-	-	-	-	10.7
Renfrew	wbcbcy	bcy	bcbw	bwc	62	46	38	-	-	-	-	14.4
Edinburgh (Inchkeith)	bbc	bbc	bcb	bcc	63	50	45	-	-	-	-	13.1
Leuchars	bcc	cbc	bbcw	bbcwcw	60	43	36	-	-	-	-	13.0
Eskdalemuir	bcbcy	bcy	bcybo	om.	63	38	35	-	-	-	-	12.2
Tynemouth	cbc	bc	bc	bc	57	46	39	-	-	-	-	•
Blackrod Point	bcc	c	cR	Rc	60	55	•	—	—	3	—	•
Donaghadee	bc	bcb	bbc	bcc	62	51	•	-	-	-	-	•
Birr Castle	bcc	c	c	c	67	52	46	-	-	-	-	8.3
Holyhead	cbcb	b	bcbw	bcddm	61	54	51	-	-	Trace	5.30	15.0
Liverpool (Bidston)	cbcb	bby	bbc	bbc.o	60	50	45	-	-	-	-	12.5
Chester (Sealand)	bcby	bcy	b	bbccr.	63	43	36	-	-	Trace	6.30	13.4
Harrogate	bc	bcb	b	bbcc	65	46	42	-	-	-	-	9.6
Spurn Head	bc	bcc	bcw	bc	62	51	•	-	-	-	-	10.4
Birmingham (Edgbaston)	bc	bc	bcb	bbcc	68	48	35	-	-	-	-	12.3
Cranwell	c	cybcy	b.bc	bwb	68	44	39	-	-	-	-	7.3
Gorleston	cbc	bc	cbcb	b	61	54	51	-	-	-	-	7.0
Valentia (Cahirciveen)	bccp.	cid.	od.	or.d	60	56	56	Trace	12.30	1	<21.00	2.1
Roches Point	cvbcv	bcvc	cod.d	od.d	61	52	•	-	-	1	<21.00	•
Pembroke (St. Ann's H.)	bc	cb	bccp.	orrffe	62	53	•	-	-	1	22.00	12.4
Ross-on-Wye	bcv	bcvy	bcvb	cbcc	72	49	41	-	-	-	-	13.0
Lossiemouth	bc	bc	b	bbc	68	46	41	-	-	-	-	12.5
Winchester (Worthy Dn.)	cbcy	bcybc	bc	bc.ofe	71	44	36	-	-	-	-	6.6
S. Farnborough	bc	bcy	bcbw	bw	70	46	35	-	-	-	-	10.3
London (Kew Obsy.)	bcy	bcy	cybc	b	71	53	44	-	-	-	-	8.8
Croydon	bccy	cbcy	bcybm.	bm.w	68	51	42	-	-	-	-	10.1
Shoeburyness	bcc	cbcb	bbcbcw	bw	68	50	41	-	-	Trace	-	9.0
Clacton-on-Sea	bc	bc	bc	bcbw	65	57	55	-	-	-	-	9.0
Felixstowe	bccy	bcjb	bc	b	67	57	54	-	-	-	-	12.4
Lympne	cm.c	cbc	bcbmofc	pfefcom	68	50	43	-	-	Trace	-	4.0
Scilly (St. Mary's)	bc	bcb	bccor	orf	63	54	•	-	-	0.3	22.00	13.2
Falmouth (Pendennis)	cd.c	cbc	bcbbc	cofd.	63	53	•	Trace	<8.00	Trace	6.30	4.0
Plymouth (Cattewater)	bcc	cb	b	bwodm	66	50	44	-	-	0.1	4.30	6.9
Portland Bill	bc	bbc	bw	bbc	63	56	•	-	-	-	-	•
Southampton (Calshot)	cbc	cbc	bc	bcc	69	52	38	-	-	-	-	6.7
Dungeness	cbc	bc	bcb	bbc	65	55	•	-	-	-	-	•
Guernsey	cbcq.	bcbv	bv	bbcv	63	51	•	-	-	-	-	10.7

ISABLOBARS 8th July

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.
2	7th 10h	Scotia	N	3	bc	54	53
1	" 12h	St Helier	WNW	3	c+	60	57
3	" 1h	Dieppe	NW	2	bc	58	58

GENERAL INFERENCE.

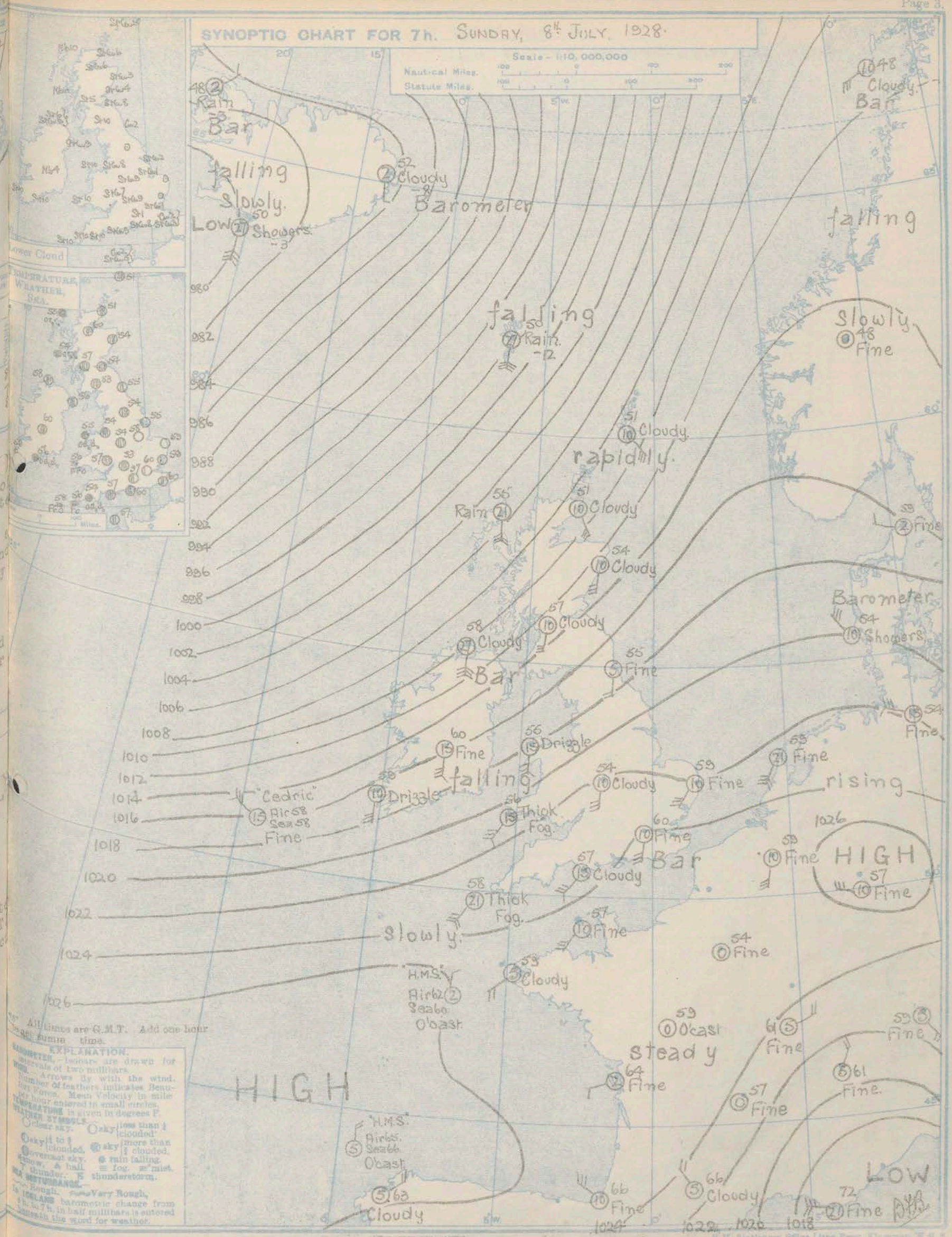
The anticyclone over the Bay of Biscay persists, and an associated ridge of high pressure over the North Sea is moving east, while a very deep depression near Iceland is moving northeastwards. Cloudy weather with some drizzle or light rain will prevail for a time in Western and Northern districts, but in extreme E and S.E. England mainly fine weather is indicated.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Sunday 8th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind S.W., moderate to light; fair; moderate temperature to rather warm.	Fair and rather warm in the S. rather unsettled in the West and North.
5. S.W. England 6. South Wales	Wind S.W., light; cloudy with some drizzle at first; improving; local coastal fog; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind S.W. moderate or fresh; mainly cloudy with some local light rain or drizzle; moderate temperature.	♥South Cone hoisted at 10h.10m.G.M.T. today in Districts 13A and 13B.
12. S.W. Scotland & Isle of Man 13 (A. W. Scotland (B. NW. Scotland	Wind S. to S.W., freshening, becoming strong locally; cloudy with some rain or drizzle; improving later; moderate temperature.	
~~14. Mid-Scotland~~ 15. N.E. Scotland	Wind S., becoming strong, perhaps a gale locally; cloudy; some rain; moderate temperature.	
~~16. Orkneys and Shetlands~~	As 12-13A.	
17. N.W. Ireland 18. N.E. Ireland	As 13B.	
19. S.E. Ireland 20. S.W. Ireland	As 12-13A.	
	As 5 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1045 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 ... Sunday, 8th July, ... 1928. No. 190...

Observations at 1h. G.M.T. ... 8th ...

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	1016.3	-1	W	1	bc	47	85	8	5700	StCu	2	CiSt	3
Stornoway	30		-5	SW	4	c	*	*	5	*	*	*	*	9
Wick	81	1015.4	-4	SE	2	bc	49	92	8	2500	StCu	5	-	5
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	81	1014.0	-4	SE	5	c	69	86	8	5700	StCu	9	-	9
Renfrew	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1018.4	-2	W	1	b	51	85	8	-	-	0	ACu	1
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	788	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	67	1022.0	0	WSW	1	bc-	49	92	6	800	St	4	-	4
Blacksod Point ...	18	1012.8	-2	S	5	ORR	56	97	6	*	Nb	10	—	10
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	375	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	28	1020.3	-3	SW	4	bc+	55	92	8	4000	StCu	5	Ci	6
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	29	1021.9	0	SSW	2	bc-	52	97	7	-	-	0	ASt	3
Birmingham (Edgbaston)	568	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	238	1022.9	0	-	0	b	45	97	6	-	-	0	-	0
Gorleston	14	1023.7	-1	SSW	3	b	56	85	7	-	-	0	-	0
Valentia (Cahirciveen) ¶	30	1019.4	-1	S	4	ODD	56	97	4	*	St	10	-	10
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	150	1022.6	0	SW	3	c	57	85	8	1500	StCu	8	-	8
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	279	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	55	*	*	*	*	*	*	*
Croydon	244	1024.2	0	SW'S	3	b-	54	92	6	-	-	0	-	0
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1024.8	+1	SSE	2	Fo+	56	97	1	<150	St	10	-	10
Scilly (St. Mary's) ...	183	1023.5	-1	SSW	4	or-	56	97	6	4000	Nb	10	-	10
Falmouth (Pendennis)	200	1024.7	0	SSW	2	C+	63	92	8	4000	Cu	5	ACu	8
Plymouth (Cattewater)	23	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	32	1023.8	0	SW	3	b	57	92	8	-	-	0	-	0
Southampton (Calshot)	10	1024.4	0	W'S	2	bc-	55	85	8	4000	StCu	2	ACu	4
Dungeness	30	1025.1	+1	SW	2	b-	57	97	7	4000	StCu	2	-	2
Guernsey (Fort George) ¶	296	1025.9	0	-	0	b-	53	85	(8)	-	-	0	-	0

Observations at 7h. 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‡ 0-6	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	9am. 0-6
Lerwick	1009.8	-9	SE	3	c	51	92	8	5700	StCu	5	ASt	10	*
Stornoway	1004.6	-6	S	5	orr	55	97	6	2500	Nb	10	-	10	4
Wick	1000.2	-5	SSE	3	c	51	92	8	2500	StCu	6	CiSt	8	1
Tiree	1008.3	-2	S	5	orr	54	97	5	<150	Nb	10	-	10	4
Nairn	1007.8	*	W	2	bc+	60	75	8	5700	StCu	6	-	6	*
Aberdeen	1012.7	-6	S	4	c	54	75	8	5700	StCu	3	ACu	8	0
Malin Head	1010.2	-2	SSW	6	c	58	97	7	1500	St	9	-	9	1
Renfrew	1014.0	-4	SSW	3	c	57	85	8	4000	St	6	ASt	10	*
Edinburgh (Inchkeith)	1014.3	-4	W	1	c	54	85	8	5700	StCu	8	ACu	9	0
Leuchars	1014.3	-3	SSW	2	c	57	75	8	4000	StCu	4	CiSt	9	*
Eskdalemuir	1015.7	-5	SSW	5	o	53	92	6	800	St	10	-	10	*
Tynemouth	1017.3	-2	SSW	2	bc	55	75	6	1500	Cu	2	ACu	3	1
Blacksod Point ...	1012.3	+1	S	3	c	56	85	8	*	SCu	8	—	8	4
Donaghadee	1016.9	-2	SW	3	c-	56	92	8	4000	StCu	9	-	9	2
Birr Castle	1014.5	*	S	4	c	60	86	7	1500	Nb	4	ACu	9	*
Holyhead	1017.8	-3	SW	4	odd	55	97	4	<150	St	10	-	10	3
Liverpool (Bidston) ...	1019.2	-2	SE	1	c	54	86	8	2500	StCu	8	-	8	*
Chester (Sealand) ...	1019.4	-2	SSE	3	c/r	54	86	8	4000	StCu	8	ACu	9	*
Harrogate	1019.5	-1	SSW	3	c+	54	75	7	-	-	0	ASt	9	*
Spurn Head	1020.3	-1	SW	2	b-	55	92	6	5700	StCu	2	-	2	2
Birmingham (Edgbaston)	1021.6	-1	SSW	3	c	54	85	8	4000	StCu	9	-	9	*
Cranwell	1021.8	0	WSW	3	b+	58	75	6	4000	StCu	1	Ci	1	*
Gorleston	1021.8	-2	SW	3	b	59	86	6	-	-	0	-	0	0
Valentia (Cahirciveen) ¶	1017.0	-1	SW'S	3	odd	59	97	5	450	St	10	-	10	3
Roches Point	1018.2	-2	SW	3	odd	56	97	5	800	St	10	-	10	0
Pembroke (St. Ann's H.)	1019.8	-3	SW	4	ffo	66	97	2	220	St	10	-	10	4
Ross-on-Wye	1021.3	-1	SW	3	c	57	75	8	4000	StCu	7	ASt	9	*
Leafield	1022.2	0	S	3	cv+	53	92	9	5700	StCu	9	-	9	*
Winchester (Worthy Dn.)	1023.5	0	S	3	o/c	54	97	5	450	St	10	-	10	*
S. Farnborough ...	1023.7	0	SSW	2	b+	57	85	6	450	St	1	ACu	1	*
London (Kew Obsy.) ...	1024.3	0	SSW	3	b	60	75	8	2600	StCu	1	Ci	2	*
Croydon	1023.9	0	SSW	3	b	57	85	7	-	-	0	-	0	*
Shoeburyness	1023.8	0	SW'S	1	b	59	92	8	-	-	0	ACu	1	*
Clacton-on-Sea ...	1023.2	0	SW	3	b	59	85	7	-	-	0	Ci	1	2
Felixstowe	1023.1	0	SW'S	3	b	60	85	7	-	-	0	-	0	1
Lympne	1024.2	0	SSW	2	o	57	92	6	800	St	10	-	10	*
Scilly (St. Mary's) ...	1022.1	-1	SW	4	FFO	58	97	1	450	St	10	-	10	4
Falmouth (Pendennis)	1022.8	-1	SSW	4	Fo+	56	97	0	<150	St	10	-	10	1
Plymouth (Cattewater)	1023.4	-1	SSW	3	odd	55	97	5	<150	St	10	-	10	0
Portland Bill	1023.4	0	SW	4	C+	57	85	8	2500	StCu	9	-	9	1
Southampton (Calshot)	1023.9	-1	SW'S	3	c	60	85	8	2500	StCu	8	-	8	0
Dungeness	1024.6	0	WSW	2	bc+	60	92	7	1500	StCu	5	-	5	2
Guernsey (Fort George) ¶	1025.0	0	SW	3	bcv+	57	85	9	1500	StCu	7	-	7	0

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

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	bc	bcb	49	56	2	-	8.0	6.9
Douglas (I. o. M.) ...	b	b	49	60	-	-	11.2	2.7
Llandudno ...	bc	b	56	63	-	-	10.2	3.5
Colwyn Bay ...	b	b	57	61	-	-	11.8	1.4
Rhyl	b	b	53	60	-	-	11.7	5.1
Wallasey	bcb	b	52	62	-	-	10.0	1.2
Southport	b	b	‡53	60	-	-	10.8	1.4
Blackpool	cbc	bcb	53	61	0.1	-	11.0	0.9
Ilkley	b	b	51	67	-	-	6.9	5.2
Cleethorpes	bc	b	52	63	-	-	7.2	8.6
Skegness	cbc	bc	50	62	-	-	6.2	6.4
Aberystwyth ...	bcb	b	52	64	-	-	11.8	0.8
Bath	bc	bc	56	71	-	-	8.7	6.0
Cheltenham ...	by	bybcb	53	70	-	-	11.5	3.1
Leamington Spa ...	bc	bc	51	68	-	-	9.8	3.4
Lowestoft	c	cbcb	51	59	-	-	3.8	3.9
Harwich & Dovercourt	bc	bc	55	69	-	-	9.5	5.2
Maldon	bc	bc	56	69	-	-	6.6	4.8
Southend	cbcb	bcb	55	70	-	-	7.8	5.4

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	bcb	b	55	60	-	-	10.2	0.1
Bude	ocbc	bcb	55	63	-	-	9.2	2.3
Penzance	b	b	56	66	-	-	7.0	6.7
Paignton	mycbc	bc	55	69	-	-	6.1	5.3
Torquay	bc	bccb	55	68	-	-	6.2	5.4
Jersey	bc	b	53	65	-	-	8.0	4.0
Weymouth	b	b	54	68	-	-	9.4	4.6
Bournemouth ...	bc	bc	51	71	-	-	7.5	5.0
Ventnor ...	cbcb	cb	53	63	-	-	5.8	6.0
Portsmouth (S'thsea)	bbc	bcb	54	68	-	-	5.8	4.5
Bognor	bcc	bc	52	65	-	-	5.5	5.5
Littlehampton ...	bcc	bc	52	62	-	-	3.5	4.5
Worthing	bcc	cbc	52	65	-	-	5.8	4.8
Brighton	bcc	cbcb	54	65	-	-	4.1	4.2
Eastbourne	oco	ocbc	54	65	-	-	3.2	6.8
Hastings ‖	cbbc	cbcc	52	66	-	-	2.5	6.2
Folkestone	c	c	53	67	-	-	2.6	6.3
Dover	cbcc	cbc	56	64	-	-	3.0	5.9
Tunbridge Wells ...	bbc	cbc	51	69	-	-	7.0	5.7
Ramsgate	bc	bc	54	66	-	-	8.7	0.0
Margate	bc	bc	55	64	-	-	7.8	5.3
Deal	obcb	cobc	54	69	-	-	5.1	6.4

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 9h.-17h., the minimum for the period 21h.-9h. ‡ 17h.-9h.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 24,336 MONDAY 9th JULY 1928.

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	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1004·6	-4	S	3	orr	51	97	7	4000	Nb	10	-	10	*
Stornoway	1005·7	+3	WSW	6	c	60	65	7	4000	CuNb	9	-	9	*
Wick	1005·5	-2	SSW	2	c	56	97	8	2500	StCu	6	A.St	10	*
Tiree	1010·7	+4	SW'W	6	bc-	57	85	6	800	St	6	CiCu	7	1
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1009·3	-2	SSE	3	clr	56	85	7	1500	Nb	8	A.St	10	1
Malin Head	1013·2	+4	SW'W	4	c	58	85	7	4000	StCu	5	ACu	8	*
Renfrew	1012·6	+1	WSW	5	cd₀	59	97	6	800	Nb	8	A.St	10	1
Edinburgh (Inchkeith)	1011·6	-1	SW	3	of₀	53	85	7	800	St	10	-	10	*
Leuchars	1010·9	-2	SW	5	clr	62	85	8	1500	St	7	A.St	10	5
Eskdalemuir	1014·0	-2	SW'S	5	odd	55	97	4	220	St	10	-	10	2
Tynemouth	1014·3	-2	SW	5	bc	66	65	6	1500	Cu	5	-	5	*
Blacksod Point	1014·7	+3	SSW	4	bc	60	85	8	—	—	6	Ci	5	*
Donaghadee	1015·7	+2	W	3	cf₀	63	85	8	2500	Nb	9	-	9	*
Birr Castle	1015·6	*	S	2	c	55	65	8	1500	Nb	9	-	9	*
Holyhead	1016·4	-1	SSW	4	off	59	97	5	220	St	10	-	10	1
Liverpool (Bidston)	1017·0	-1	SW'W	2	cv-	64	75	9	4000	St	9	-	9	*
Chester (Sealand)	1017·1	-1	SW'S	4	cv-	67	75	9	2500	StCu	7	CiCu	8	1
Harrogate	1016·5	0	SSW	4	bc	61	65	6	-	-	0	A.St	7	*
Spurn Head	1017·8	-1	SW	3	bc+	69	65	7	4000	Cu	4	ACu	7	*
Birmingham (Edgbaston)	1019·4	-1	SW	4	c	66	65	9	4000	StCu	9	-	9	0
Cranwell	1019·7	-2	SW'W	4	bc-	69	65	8	4000	StCu	5	ACu	7	0
Gorleston	1019·7	-2	SW	4	bc	74	45	7	4000	Cu	4	-	4	*
Valentia (Cahirciveen)	1019·3	+2	W	3	c	59	92	8	800	St	9	ACu	10	5
Roches Point	1018·0	0	SW	2	c	56	97	7	1500	StCu	10	-	10	*
Pembroke (St. Ann's H.)	1018·9	-1	SW	4	Fo+	58	97	1	220	St	10	-	10	*
Ross-on-Wye	1019·9	-1	SW'S	3	c	62	85	7	2500	StCu	10	-	10	0
Leafield	1020·2	-1	SSW	3	cv	65	75	9	5700	StCu	9	-	9	0
Winchester (Worthy Dn.)	1021·9	-2	S	4	c	66	65	8	5700	StCu	8	-	8	0
S. Farnborough	1021·6	-2	SW'S	4	bc	69	55	8	4000	StCu	7	-	7	0
London (Kew Obsy.)	1021·7	-3	SSW	4	bcv	69	55	9	4000	Cu	3	A.Cu	5	0
Croydon	1021·4	-3	SSW	4	bc-	67	55	8	4000	Cu	1	ACu	3	0
Shoeburyness	1022·1	-2	SW'W	3	bc-	70	65	8	4000	Cu	1	ACu	4	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1021·6	-2	S'W	4	bc	69	65	8	4000	Cu	2	CiCu	7	0
Lympne	1022·9	-2	SSW	4	bv	64	65	9	4000	Cu	1	-	1	0
Scilly (St. Mary's)	1021·3	0	SW'W	4	FFo	59	97	1	450	St	10	-	10	*
Falmouth (Pendennis)	1021·5	-2	SW'W	5	od₀	60	97	6	450	St	10	-	10	*
Plymouth (Cattewater)	1022·1	-2	S	3	od₀d₀	58	97	2	<150	St	10	-	10	1
Portland Bill	1022·7	-1	SSW	4	c	59	85	8	2500	StCu	10	-	10	*
Southampton (Calshot)	1022·9	-2	SW	4	bc	68	55	8	4000	Cu	5	A.Cu	7	0
Dungeness	1024·3	-3	SW	3	bcv	65	75	9	4000	StCu	4	-	4	*
Guernsey (Fort George)	1024·2	-1	SW	3	cv	61	75	9	4000	StCu	7	ACu	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	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1005·2	0	SW	3	bc	55	75	8	4000	Cu	3	-	3	*
Stornoway	1006·4	+1	WSW	6	bc	58	65	8	4000	Cu	4	-	4	5
Wick	1007·5	+1	W	2	c	62	75	8	2500	Cu	6	ACu	8	0
Tiree	1011·6	-1	WSW	5	b-	57	85	7	4000	Cu	1	-	1	1
Nairn	1009·6	*	W	4	bc	58	75	8	5700	StCu	5	-	5	*
Aberdeen	1010·1	+1	W	2	c-	61	55	8	2500	Cu	1	A.St	9	0
Malin Head	1013·4	+1	WSW	5	bc	57	85	7	4000	Cu	3	-	3	3
Renfrew	1013·6	+1	W	4	c	58	75	8	-	-	0	Ci	9	*
Edinburgh (Inchkeith)	1013·7	+1	WSW	3	c	57	75	7	4000	Cu	2	A.St	10	1
Leuchars	1012·0	+2	SW	4	c	60	65	8	4000	StCu	1	A.St	9	*
Eskdalemuir	1013·7	+2	W	3	c	58	65	8	4000	Cu	1	ACu	9	0
Tynemouth	1014·1	0	SW	2	cjp	63	75	7	1500	Nb	9	-	9	0
Blacksod Point	1015·5	+1	W	4	bc	58	75	8	*	Cu	6	—	6	4
Donaghadee	1015·8	+1	W	1	bc-	61	75	7	4000	StCu	4	ACu	6	1
Birr Castle	1016·7	*	SSW	2	bc-	59	75	8	2500	Cu	4	Ci	7	*
Holyhead	1016·6	0	SW	4	c-	57	97	6	450	St	10	-	10	3
Liverpool (Bidston)	1016·5	0	WSW	2	cf₀f₀	61	92	7	4000	Nb	9	A.St	10	*
Chester (Sealand)	1016·5	-1	SWW	3	cf₀	64	85	8	1500	Nb	10	-	10	*
Harrogate	1016·2	*	SSW	3	cf₀	61	92	6	2500	Nb	9	A.St	10	*
Spurn Head	1017·2	-1	SW	3	c	65	85	7	4000	StCu	9	-	9	1
Birmingham (Edgbaston)	1018·3	-1	SSW	3	c+	64	75	8	4000	StCu	10	-	10	*
Cranwell	1018·7	-1	SW'W	4	o+	66	75	7	2500	St	10	-	10	*
Gorleston	1018·6	-1	SW	4	bc+	72	45	7	-	-	0	CiCu	7	1
Valentia (Cahirciveen)	1020·1	+2	SW'W	3	bc	59	85	8	1500	Cu	1	ACu	3	0
Roches Point	1019·1	+2	NW	2	c	57/59	85	8	2500	StCu	9	-	9	0
Pembroke (St. Ann's H.)	1018·7	-1	WSW	3	orr	57	97	2	220	St	10	-	10	1
Ross-on-Wye	1018·2	-1	SSW	3	c	63	85	7	2500	St	10	-	10	*
Leafield	1019·3	-1	SSW	4	cv	62	85	9	4000	StCu	10	-	10	*
Winchester (Worthy Dn.)	1021·0	-1	S'W	3	c	61	85	8	4000	St	8	A.St	10	*
S. Farnborough	1020·6	-1	SW	4	c	64	75	8	2500	St	8	-	8	*
London (Kew Obsy.)	1020·4	-1	SW	3	bcv	68	65	9	2500	StCu	2	ACu	6	*
Croydon	1020·4	-1	SW'S	3	bc-	66	75	8	5700	StCu	2	ACu	6	*
Shoeburyness	1020·3	-3	SSW	2	bc+	67	75	8	-	-	0	ACu	3	*
Clacton-on-Sea	1020·1	-1	S	4	bc	66	75	7	-	-	0	ACu	4	3
Felixstowe	1020·0	-2	SSW	4	bcv	68	65	9	-	-	0	ACu	4	3
Lympne	1021·6	-1	SSW	4	bv	60	75	9	-	-	0	ACu	2	*
Scilly (St. Mary's)	1020·3	-1	WSW	4	ffo	58	97	2	450	St	10	-	10	3
Falmouth (Pendennis)	1022·6	-1	WSW	4	o+	59	97	6	450	St	10	-	10	1
Plymouth (Cattewater)	1020·9	-2	SW	3	od₀	57	97	6	<150	St	10	-	10	1
Portland Bill	1020·8	-2	SSW	4	fo	59	97	3	450	St	10	-	10	1
Southampton (Calshot)	1021·5	-2	SW	4	c	61	85	7	800	St	9	-	9	0
Dungeness	1021·8	-3	SW	3	bcv	61	85	9	-	-	0	ACu	4	3
Guernsey (Fort George)	1022·9	-2	WSW	3	bcv	61	85	9	1500	StCu	7	-	7	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.	Min. Night °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall Night	Sunshine to Sunset hrs.	Humidity 13h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h
Kew	18	bcvy	bcvy	bcrd₀c	72	60	59	-	1	8·7	*	*	8
Croydon	244	b,cy	bcyvc	cor,m	70	69	58	-	0·3	10·6	*	*	7
Greenwich (Royal Obsy.)	149	bc	cbc	cdrdc3	76	59	56	-	0·5	10·5	51	67	6
City (Bunhill Row)	60	*	*	*	*	*	*	*	*	9·2	*	*	*
Westminster (St. James' Pk.)	37	*	*	*	71	60	57		1	9·8	53	61	*
Regent's Pk. (Botanic Gdns.)	168	*	*	*	*	*	*	*	*	9·4	*	*	*
Camden Square	110	bcc	cbc	*	75	61	-	-	1	*	*	67	*
Kensington Palace	80	bc	bc	*	73	60	59	-	1	*	(At 18h) 60	83	*
Hampstead Observatory	450	*	*	*	70	54	53	*	1	9·2	*	73	*

24 Hours ended 9h.

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 9th

South Kensington Max.	Time.	Min.	Time.
0·3	9th 7h.	<0·3	8th 7h.

Kew Observatory Max.	Time.	Min.	Time.
0·1	9th 7h	<0·1	8th 19h.

Pole Star Record at Greenwich Obsy.

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

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5.0	NIL	-
δ Ursae Minoris	6.0	NIL	-

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 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 July, 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·42 3·43	11·58 11·58	20·13 20·12
Greenwich	3·55 3·56	12·06 12·05	20.14 20.13
Wick	3·22 3·23	12·17 12·18	21·12 21·11
Valentia	4·34 4·35	12·46 12·46	20.57 20.57

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 ₀ 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;—b/c = 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.

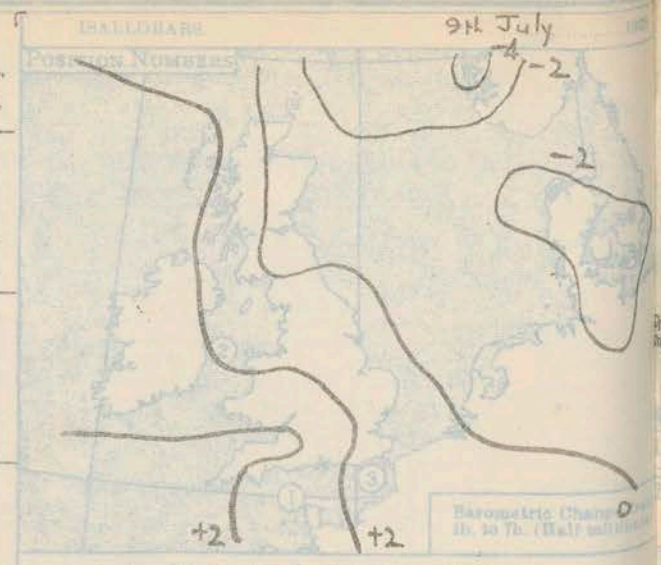
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ „
6. Moderate.	6¼ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

† 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. 8th	Weather. 18h.-13h. 8th	Weather. 18h. 8th to 1h. 9th	Weather. 1h.-7h. 9th	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 8th Hours.
Lerwick	corr	orrbc	bcc	cpr.	56	50	.	3	12.30	2	4.30	3.4
Stornoway	r-d	cbc	o	cprc	60	51	.	2	<8.00	1	24.00	6.4
Wick	crr	cpr.c	bbc	cpr.	62	51	.	2	9.00	0.1	6.30	.
Tiree	r.oc	cbc	bcc	pr.bc	59	51	49	3	<8.00	0.2	3.30	6.0
Nairn	bcq	qbc	bcc	cp	67	52	.	-	-	0.5	5.30	2.8
Aberdeen	bccir.	c	c	c	64	51	45	Tr	11.00	-	-	3.4
Malin Head	cr.c	cbc	cbcc	cr.c	59	51	.	0.2	<8.00	0.3	2.30	4.8
Renfrew	coprr.fm.	cq	cbc	bccp.q	62	52	48	1	9.00	0.2	5.30	3.2
Edinburgh (Inchkeith)	r-d	c	cbc	bcc	61	52	49	Tr	11.00	-	-	3.1
Leuchars	ccr.	cbcc	bcc	bccd.	65	50	44	Tr	12.30	Tr.	6.30	2.1
Eskdalemuir	oddm.	oddm.o ~~m.c~~	cbc	bcc	62	48	45	5	9.00	-	-	1.7
Tynemouth	bcq	bcc	c	bcq	68	52	42	-	-	-	-	.
Blacksod Point ...	cb(b)	bcc	c	bcc	60	52	.	0.4	—	2	—	.
Donaghadee	cir.c	ir.c	bcc	prbc	63	50	.	0.4	9.00	0.5	1.30	.
Birr Castle	cpr.	c	bcc	cpr.	63	52	45	Tr	11.00	0.3	6.30	2.1
Holyhead	d.mmfm	or.om.	cbc	bbccb	60	53	50	1	<8.00	-	-	0.0
Liverpool (Bidston) ...	cbccv	ccdr.	ir.p.	cbcbq	68	53	50	Tr	17.30	0.4	<21.00	5.0
Chester (Sealand) ...	ccv	cv	rcr.	cbc	69	51	42	Tr	17.30	2	<21.00	2.0
Harrogate	cbc	cir.	cir.	cbc	68	52	49	0.2	15.30	Tr.	<21.00	4.9
Spurn Head	bc	bcc	cor	cbc	71	57	.	-	-	0.4	24.00	9.4
Birmingham (Edgbaston)	bcc	co	or.r.c	cbbc	66	53	48	-	-	0.4	<21.00	2.7
Cranwell	bccbc	co	or.	cr.b	71	65	51	-	-	0.3	24.00	6.8
Gorleston	bbcy	bcy	bcyc	cprodd	75	60	57	-	-	0.4	2.30	11.7
Valentia (Cahirciveen)	c	cbc	bcb	cbc	60	53	49	1	<8.00	-	-	4.1
Roches Point	mmoid.c	cp.c	cbc	bccw	62	49	.	0.3	<8.00	Tr.	-	.
Pembroke (St. Ann's H.)	odd Ffe	o F fe	oifirbc	bcb	58	53	.	2	9.00	2	<21.00	0.0
Ross-on-Wye	cbcc	c	cid.	bcbw	67	55	49	-	-	Tr.	<21.00	0.7
Leafield	c	c	crd.	d.bc	66	56	55	-	-	0.6	<21.00	1.6
Winchester (Worthy Dn.)	om.c	c	cor.o	or.o	68	57	56	-	-	0.6	<21.00	4.5
S. Farnborough ...	b.cbc	bcyc	cr.r	cr.	70	58	57	-	-	0.1	<21.00	7.2
London (Kew Obsy.) ...	bcvy	bcvy	bccr.	cd.c	72	60	59	-	-	1	22.00	8.7
Croydon	b.cy	bcyvc	com.	cddm.r.	70	59	58	-	-	0.3	22.00	10.6
Shoeburyness	bc	bcb	b	cprm.	72	58	56	-	-	1	5.30	13.2
Clacton-on-Sea ...	bbc	bc	bc	bccpc	70	59	59	-	-	1	3.30	13.6
Felixstowe	bbc	bcbyv	bcco	om.r.	71	59	58	-	-	0.2	24.00	12.6
Lympne	cm.bcbv	bv	bvco	ofd.rF	65	54	51	-	-	1	5.30	12.9
Scilly (St. Mary's) ...	offid	off	ofidc	bbc	60	~~53~~ 54	.	Tr	<8.00	0.3	<21.00	0.0
Falmouth (Pendennis)	ofm.d.	ocm.d.	omac	cr.bcq	61	54	.	0.1	<8.00	0.2	<21.00	0.1
Plymouth (Cattewater)	od.d.fe	ofmd.d.	omdfc	omcbc	58	53	53	0.6	<8.00	0.4	<21.00	0.0
Portland Bill	c	comof	oidfoif	ofbc	60	57	.	-	-	Tr.	<21.00	.
Southampton (Calshot)	cbc	bcc	omd.d.	od.m.	68	58	57	-	-	0.4	<21.00	4.9
Dungeness	bcbcv	bbcv	bccbv	oFfDd	65	58	.	-	-	1	<21.00	.
Guernsey	bccv	cbcv	bccodd	oivc	63	56	.	-	-	1	<21.00	5.7



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force	Weather.	Temp. Air	Temp. Sea
3	9th 2h	Brighton	W	2	C+	60	58

General Inference.

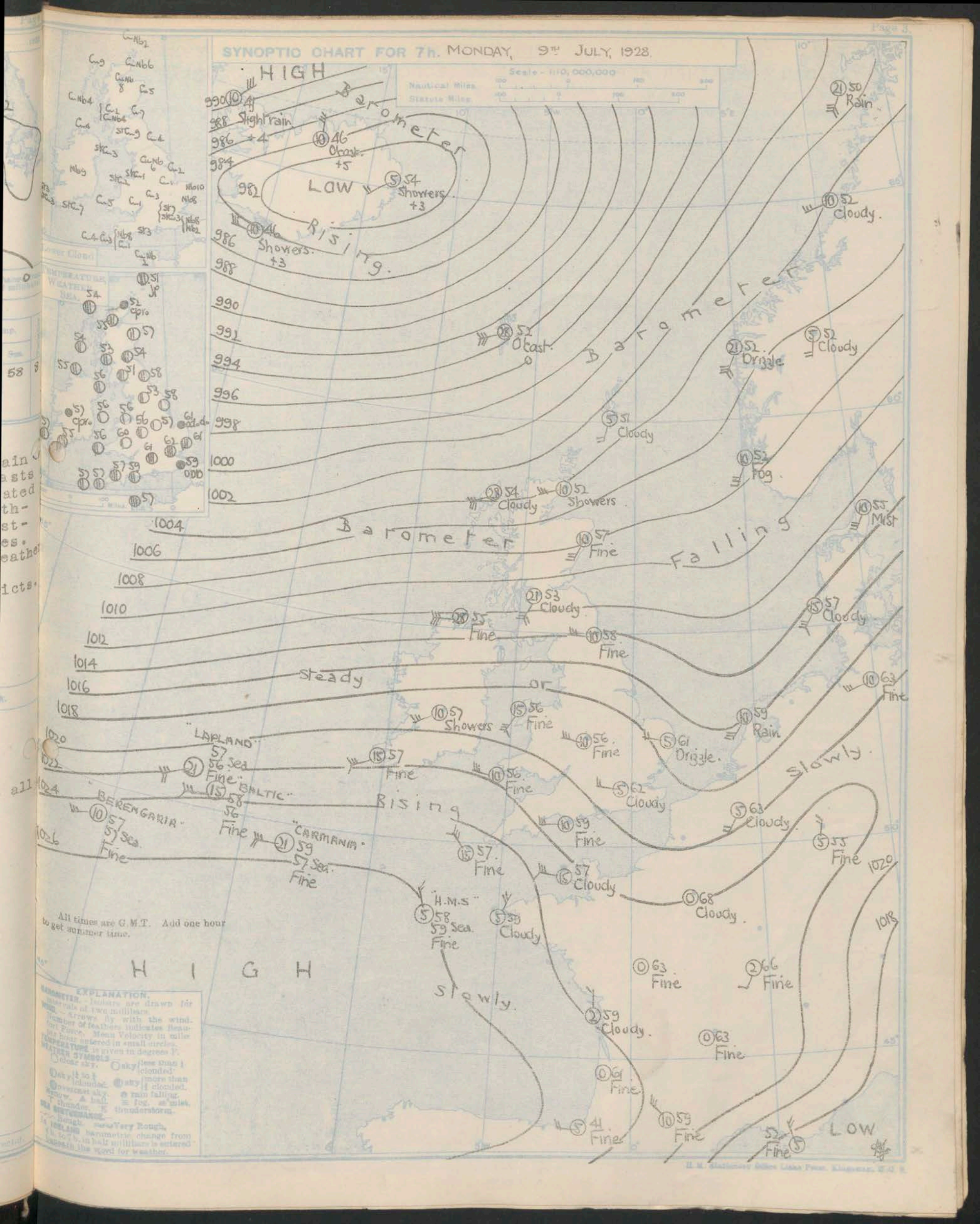
An anticyclone will remain centred off our southwest coasts and small secondaries associated with a depression to the north-east of Iceland will move eastwards across the British Isles. Winds will be westerly and weather mainly bright; showers will, however, occur in most districts.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Monday, 9th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Southwest to west winds, light to moderate; bright intervals; local showers; some drizzle near coasts at first; rather warm.	Bright intervals in all districts.
4. W. Midlands	As 1.	
5. S.W. England 6. South Wales	Westerly winds, mainly moderate; bright and cloudy periods; perhaps occasional local drizzle and mist in coastal districts; moderate temperature.	
7. North Wales 8. N.W. England	Moderate to fresh westerly winds; variable skies, local showers; moderate temperature.	
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Winds mainly between S.W. and W., fresh locally; bright and cloudy periods; a few local showers; moderate temperature to rather warm.	
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	Moderate to strong westerly winds; variable skies, occasional showers; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	As 5 - 6.	

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

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


SYNOPTIC CHART FOR 7h. MONDAY, 9TH JULY, 1928.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
Barometer
LOW
Rising.
Barometer
Barometer
Falling
steady
or
slowly.
Rising
slowly.
HIGH
LOW
990
988
986
984
982
986
988
990
992
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1020
1018
Slight rain
Showers.
Showers.
Rain.
Cloudy.
Overcast.
Drizzle
Cloudy
Cloudy
Fog.
Cloudy
Showers
Mist
Fine
Cloudy
Fine
Fine
Cloudy
Showers
Fine
Rain
Drizzle.
Fine
Fine
Cloudy
Cloudy
Fine
Fine
Cloudy
Fine
Fine
Cloudy
Fine
Fine
Cloudy.
Fine
Fine
Fine
Fine
"LAPLAND"
"BALTIC"
"BERENGARIA"
"CARMANIA"
"H.M.S"
All times are G.M.T. Add one hour to get summer time.
EXPLANATION.
BAROMETER.
WIND.
TEMPERATURE
WEATHER SYMBOLS
SEA DISTURBANCE
Very Rough.
Rough.
BAROMETRIC CHANGE

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE; LONDON:

BRITISH SECTION.....MONDAY., 9th JULY.....1928. No. 191...

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10
Lerwick	54	1005.5	0	SW	3	c	53	92	8	5700	StCu	5	ASt	3
Stornoway	30	1006.3	-2	SW	5	cr	•	•	6	•	•	•	•	9
Wick	81	1007.4	-1	S	2	c	52	92	8	2500	CuNb	5	ASt	8
Tiree	33	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	61	1012.2	-2	SW	6	c	55	92	7	4000	StCu	9	-	9
Renfrew	56	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	100	1012.5	-1	WSW	3	bc	53	85	8	1500	St	2	CiCu	7
Leuchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1014.6	0	W	1	bc	56	85	6	1500	Cu	4	Ci	5
Blacksod Point	13	1014.2	-1	SW	4	c	56	85	6	•	CuNb	8	-	8
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	29	1017.2	+1	WS	4	b	56	85	8	4000	StCu	2	-	2
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1015.7	0	WSW	3	cr	61	97	7	4000	Nb	8	ASt	10
Birmingham (Edgbaston)	605	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	228	1017.6	0	WSW	3	cr	61	97	7	1500	Nb	10	-	10
Gorleston	14	1017.5	-1	SSW	2	c	61	85	7	4000	StCu	4	ASt	9
Valentia (Cahirciveen) ‡	30	1022.8	+1	NW'W	2	bcv	56	97	9	-	CuNb	7	-	7
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	160	1019.1	+1	WSW	2	bc	56	97	8	1500	Cu	2	AC	4
Ross-on-Wye	222	•	•	•	•	•	•	•	•	•	•	•	•	•
Lesfield	612	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester (Worthy Dn.)	275	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	60	•	•	•	•	•	•	•
Croydon	344	1019.2	-3	SW'S	3	c/r	59	97	6	1500	Nb	7	ASt	10
Sheerness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	84	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1020.1	-2	SSW	3	o	57	97	7	1500	St	10	-	10
Scilly (St. Mary's)	163	1022.4	+1	NW'W	4	b	55	97	8	4000	StCu	2	-	2
Falmouth (Pendennis)	200	1022.3	0	NWW	3	cr	56	85	7	4000	StCu	9	-	9
Plymouth (Cattewater)	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	33	1019.8	-1	WSW	4	fr	59	97	3	800	St	10	-	10
Southampton (Calshot)	10	1019.6	-2	WSW	3	o	59	92	5	450	St	10	-	10
Dungeness	20	1020.2	-2	SW	3	c+	59	92	9	-	-	0	ASt	10
Guernsey (Fort George) ‡	206	1021.5	-2	WSW	2	odd	59	97	5	1500	Nb	10	-	10

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sun 0-9
Lerwick	1002.5	-3	SW	2	c/p	51	85	7	4000	CuNb	2	ASt	9	•
Stornoway	1003.8	+2	WSW	6	c	54	85	7	4000	Cu	9	-	9	5
Wick	1004.3	-1	WSW	3	c/pr	52	97	8	1500	CuNb	6	CiSt	8	3
Tiree	1008.4	+1	WSW	5	bc	54	85	7	2500	CuNb	4	ACu	6	3
Nairn	1006.4	•	WSW	2	c/r	55	85	8	4000	CuNb	8	-	8	•
Aberdeen	1008.6	-1	SSW	3	bc	57	75	8	1500	Cu	5	ACu	7	0
Malin Head	1012.2	+2	W	6	bc	56	92	7	4000	Cu	4	ACu	6	3
Renfrew	1011.5	0	SW	5	bc	53	92	7	2500	CuNb	6	-	6	•
Edinburgh (Inchkeith)	1010.4	-1	SW	6	c	54	85	8	4000	Cu	7	ACu	9	3
Leuchars	1009.7	-1	SW	4	bc/d	55	85	7	1500	StCu	4	-	4	•
Eskdalemuir	1013.2	-1	SW	4	c	51	85	7	1500	StCu	9	-	9	•
Tynemouth	1014.1	+1	W	3	bc	58	65	7	1500	Cu	4	-	4	1
Blacksod Point	1015.6	-3	WSW	5	bc	56	75	6	•	Cu	7	-	7	5
Donaghadee	1015.8	0	WSW	3	bc-	56	85	8	4000	StCu	3	ACu	5	2
Birr Castle	1018.2	•	WSW	3	c/pr	57	85	7	1500	Nb	9	-	9	•
Holyhead	1018.3	+1	SW	4	b+	56	85	7	4000	StCu	2	-	2	1
Liverpool (Bidston)	1018.2	0	WS	5	b-	56	65	8	4000	StCu	1	-	1	•
Chester (Sealand)	1018.4	+2	W	3	bc	56	75	8	4000	StCu	3	-	3	•
Harrogate	1016.8	+1	SW	4	bc	53	85	8	4000	CuNb	6	-	6	•
Spurn Head	1016.8	+1	W	4	b-	58	75	6	4000	Cu	2	-	2	•
Birmingham (Edgbaston)	1019.8	+2	WNW	3	bc+	56	75	7	4000	Cu	3	-	3	•
Cranwell	1018.3	+1	WN	3	b	57	85	7	2500	Cu	1	-	1	•
Gorleston	1016.7	0	WN	2	odd	61	92	6	1500	Nb	10	-	10	1
Valentia (Cahirciveen) ‡	1021.7	+2	SW'W	4	bc	57	85	7	1500	St	6	-	6	4
Roches Point	1021.6	+3	NW	2	c	55	92	8	2500	StCu	7	CiCu	8	0
Pembroke (St. Ann's H.)	1021.2	+2	WNW	3	bc+	56	92	8	1500	Cu	5	-	5	1
Ross-on-Wye	1019.9	+2	WNW	4	b	60	65	8	4000	Cu	1	-	1	•
Lesfield	1019.8	+2	WNW	4	bv-	57	75	9	4000	Cu	1	-	1	•
Winchester (Worthy Dn.)	1020.0	+1	WN	3	c	58	85	8	1500	St	9	-	9	•
S. Farnborough	1019.5	+2	W	3	c	61	85	8	800	St	9	-	9	•
London (Kew Obsy.)	1019.7	+3	WN	2	c	62	85	6	1500	St	10	-	10	•
Croydon	1019.6	+1	WNW	3*	cr	60	92	6	800	St	9	ASt	10	•
Sheerness	1018.0	+1	WSW	2	cr	61	97	5	1500	Nb	9	-	9	•
Clacton-on-Sea	1018.4	+1	W	3	c	61	92	7	2500	Nb	8	-	8	2
Felixstowe	1018.3	0	WS	3	o/r	61	92	6	800	St	10	-	10	0
Lympne	1019.6	+1	SW	3	od	59	97	1	<150	St	10	-	10	•
Scilly (St. Mary's)	1024.7	0	NW	4	bc	57	85	7	4000	Cu	4	-	4	3
Falmouth (Pendennis)	1024.0	+1	NW	3	bc+	57	85	8	4000	Cu	3	ACu	7	1
Plymouth (Cattewater)	1022.5	+2	NW	4	c-	57	85	7	1500	Nb	9	-	9	0
Portland Bill	1021.1	+3	W	3	bc-	59	85	8	1500	St	3	-	3	1
Southampton (Calshot)	1020.5	+2	WNW	4	c/d	59	85	7	1500	St	8	-	8	0
Dungeness	1019.8	0	SW	3	odd	59	97	5	220	St	10	-	10	2
Guernsey (Fort George) ‡	1022.6	+2	WNW	4	c-	57	92	8	2500	CuNb	2	ACu	8	3

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

Stations	Weather Forenoon	Weather Afternoon	Temp. Min. 9h. 7th to 9h. 8th	Temp. Max. 9h. 17th-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	c	c	45	63	-	-	1.4	9.4
Douglas (I. o. M.)	of	rc	52	61	-	3	0.1	14.2
Llandudno	c	cd	51	72	-	0.1	2.7	12.9
Colwyn Bay	b	bbcr	53	69	-	Trace	5.4	14.5
Rhyl	bc	bcpc	47	69	-	0.2	5.3	14.9
Wallasey	bcc	bccr	51	71	-	Trace	4.5	12.3
Southport	obcco	ocor	47	68	-	1	4.0	13.5
Blackpool	obc	cor	46	65	-	2	2.8	13.6
Ilkley	bc	cp	39	70	-	0.1	3.9	8.7
Cleethorpes	bc	o	44	72	-	-	8.4	8.0
Skegness	bcb	bbco	51	71	-	-	8.9	7.7
Aberystwyth	c	cpm	53	61	-	Trace.	0.0	14.3
Bath	c	c	47	66	-	-	0.8	11.9
Cheltenham	oc	o	49	67	-	-	0.3	13.3
Leamington Spa	c	c	48	69	-	-	2.5	12.4
Lowestoft	b	b	50	72	-	-	11.4	6.0
Harwich & Dovercourt	bc	bc	55	72	-	-	11.4	11.3
Maldon	b	b	55	73	-	-	10.10	7.9
Southend	b	b	54	73	-	-	11.0	10.1

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	odo	or	54	66	-	2	0.0	13.1
Bude	o	oro	50	63	-	1	0.9	11.8
Penzance	om	oc	53	64	0.5	0.2	0.0	9.3
Paignton	om	do.po	50	64	Trace	Trace	0.1	8.4
Torquay	od.p	od	52	64	-	Trace	0.0	8.7
Jersey	bc	bc	50	68	-	-	7.7	11.0
Weymouth	bcc	bccom	53	63	-	-	2.1	11.4
Bournemouth	bc	bco	48	65	-	-	3.5	7.3
Ventnor	bbc	bcc	53	62	-	-	7.3	8.2
Portsmouth (S'thsea)	bbc	bbc	52	68	-	-	8.3	7.6
Bognor	bc	bc	50	63	-	-	9.6	7.8
Littlehampton	bc	bc	46	63	-	-	10.3	5.9
Worthing	b	bbcc	48	65	-	-	10.5	7.3
Brighton	b	bbcc	51	64	-	-	7.5	4.9
Eastbourne	b	bbcb	56	64	-	-	12.1	4.6
Hastings	b	b	54	65	-	-	11.6	3.3
Folkestone	bcb	bbcv	55	68	-	-	9.4	2.9
Dover	bcb	b	55	63	-	-	9.9	4.9
Tunbridge Wells	b	b	50	67	-	-	12.4	8.7
Ramsgate	b	b	65	69	-	-	11.6	10.5
Margate	b	b	54	71	-	-	12.2	10.1
Deal	b	b	55	70	-	-	12.0	6.5

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. ‡ 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. ‡ 23h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24.337. Tuesday 10th July 1928.

Observations at 13h. G.M.T. 9th (first block) — Observations at 18h. G.M.T. 9th (second block)

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud 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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1001·9	0	W	2	cjp	53	85	8	4000	Cu.Nb	5	A.St	9	*	1002·4	0	SW	3	c	53	85	8	4000	Cu	4	A.St	8	*
Stornoway	1004·5	+1	WSW	5	c	56	65	7	4000	Cu.Nb	10	-	10	*	1005·7	+2	WSW	5	c	54	85	7	4000	Cu.Nb	10	-	10	4
Wick	1005·2	0	WSW	3	c	55	85	8	1500	Nb	6	A.St	8	*	1006·6	+1	WSW	4	c	55	85	8	1500	Nb	6	A.St	8	3
Tiree	1010·3	+1	W'S	6	c	56	85	7	1500	Cu.Nb	9	-	9	0	1011·8	+1	W	6	cjp	55	92	8	1500	Cu.Nb	8	-	8	4
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008·1	*	W	3	bc	56	75	8	4000	Cu.Nb	7	-	7	*
Aberdeen	1008·6	0	WSW	5	bcg	64	45	8	2500	Cu	2	Ci.Cu	3	0	1009·7	+2	WSW	4	bc-	61	55	8	4000	Cu	3	Ci.Cu	3	1
Malin Head	1014·2	+1	WSW	6	bc	59	85	7	4000	St.Cu	4	A.Cu	7	*	1014·6	+2	W	6	c/d	56	92	7	~~7200~~ 4000	St.Cu	8	A.Cu	9	4
Renfrew	1013·0	+2	WSW	5	bc	60	65	8	4000	Cu	4	Ci.Cu	6	0	1014·0	+2	W	5	c/pr₀	58	85	7	1500	Cu.Nb	9	-	9	*
Edinburgh (Inchkeith)	1011·0	0	WSW	6	bcjp	55	75	8	2500	Cu	7	-	7	*	1012·1	+1	WSW	6	cjp	58	75	8	2500	Cu.Nb	8	-	8	3
Leuchars	1010·1	0	SW	6	bc+	62	55	8	2500	St.Cu	6	Ci	7	0	1011·6	+3	WSW	5	cr₀	59	65	8	2500	St.Cu	8	-	8	*
Eskdalemuir	1013·4	+1	WSW	7	bc	58	55	7	2500	Cu	7	-	7	1	1015·1	+3	WSW	5	c/pr₀	55	75	8	2500	St.Cu	9	-	9	*
Tynemouth	1015·5	+1	W	4	bc/r	63	55	7	1500	Cu	5	-	5	*	1016·7	+2	W	5	c+	62	55	7	1500	Nb	8	-	8	1
Blacksod Point	1017·2	+1	WSW	5	c	58	85	6	*	St.Cu	8	-	8	*	1018·1	+1	WSW	5	c	58	75	6	*	St.Cu	8	-	8	5
Donaghadee	1016·4	+1	WNW	5	bc	64	45	8	4000	St.Cu	3	Ci.Cu	5	*	1016·5	+1	W	4	bc-	63	65	8	4000	Cu.Nb	4	-	4	3
Birr Castle	1019·1	*	SW	4	c	61	75	8	1500	Cu	9	-	9	*	1020·0	*	WSW	3	bc-	62	65	7	4000	Cu	1	Ci	4	*
Holyhead	1013·0	+1	SSW	5	b	60	85	8	5700	St.Cu	2	-	2	0	1019·6	+1	SW	4	bc	59	85	7	4000	Cu	1	Ci.St	6	3
Liverpool (Bidston)	1018·8	+1	W	6	b-	62	55	8	4000	Cu	1	Ci.Cu	1	*	1019·5	+1	W'S	5	bc	62	65	8	2500	St.Cu	3	Ci.Cu	7	*
Chester (Sealand)	1019·0	+1	W'S	4	c+	64	55	8	4000	Cu	7	Ci	8	1	1019·8	+2	WSW	5	bc	64	65	8	4000	Cu	1	Ci	6	*
Harrogate	1017·1	+1	SW	6	bc	62	55	8	4000	Cu	4	-	4	*	1018·4	0	SW	6	bc	60	65	8	4000	St.Cu	2	Ci.Cu	5	*
Spurn Head	1017·6	0	WNW	4	c	64	65	6	4000	Cu	8	-	8	*	1018·6	+1	WNW	4	c	62	75	6	5700	St.Cu	6	A.Cu	8	1
Birmingham (Edgbaston)	1020·3	+1	W	4	bc	66	45	8	4000	Cu	5	-	5	0	1021·0	+1	WNW	3	bc	64	55	8	4000	Cu	3	Ci	4	*
Cranwell	1019·2	0	W'N	4	c+	66	55	7	4000	Cu	7	Ci	8	0	1020·0	+1	WNW	3	c	65	55	8	4000	St.Cu	3	Ci	8	*
Gorleston	1018·7	+2	ESE	3	bc	63	75	7	4000	Cu	5	-	5	*	1019·5	+2	SSE	1	bc-	61	75	7	5700	Cu	4	-	4	0
Valentia (Cahirciveen)	1023·3	+1	SW'W	4	c	59	75	8	1500	St	8	-	8	5	1024·0	+1	SW'W	3	b	61	75	8	1500	Cu	1	Ci.Cu	2	0
Roches Point	1022·4	+1	W	3	c	61	85	8	2500	St.Cu	9	-	9	*	1023·0	+2	SW	2	bc	61	92	8	2500	St.Cu	1	Ci	3	0
Pembroke (St. Ann's H.)	1022·6	+1	WSW	4	bc	59	85	8	1500	Cu	1	A.St	4	*	1023·0	0	WSW	4	bc	58	85	8	2500	Cu	2	Ci.Cu	4	1
Ross-on-Wye	1020·5	+1	W'N	4	bc	69	45	8	4000	Cu	4	-	4	0	1021·4	+1	W'S	3	bc	65	65	8	4000	Cu	3	Ci	7	*
Leafield	1020·5	0	W	3	bc	68	45	9	4000	Cu	3	-	3	0	1021·1	+2	WNW	4	bc	65	55	8	4000	Cu	1	Ci.St	5	*
Winchester (Worthy Dn.)	1020·6	0	WNW	5	b	71	45	8	4000	Cu	1	Ci	2	6	1022·2	+1	W	4	c	65	65	8	-	-	0	Ci	8	*
S. Farnborough	1020·3	0	W'N	3	b	73	35	8	4000	Cu	1	Ci	2	0	1021·4	+2	W'N	3	bc	68	55	8	4000	Cu	1	Ci	4	*
London (Kew Obsy.)	1020·4	0	WSW	3	bc	70	45	8	2500	Cu	3	-	3	0	1021·3	+1	W'N	3	bc	70	45	8	4000	Cu	3	Ci.St	5	*
Croydon	1020·3	0	W	3	b+	72	45	8	5700	Cu	2	-	2	0	1021·0	+1	W	4	bc	69	55	8	4000	Cu	2	Ci.St	4	*
Shoeburyness	1019·8	0	W'N	3	b-	73	55	8	7200	Cu	1	-	1	*	1020·4	+1	W'N	1	bc+	71	55	8	5700	Cu	6	-	6	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·5	+1	WNW	3	bc	71	45	7	4000	Cu	5	-	5	1
Felixstowe	1019·4	0	W'S	3	bc	73	45	8	5700	Cu	3	-	3	0	1020·0	+1	WNW	4	bc	72	45	9	4000	Cu	6	Ci	7	1
Lympne	1019·7	-1	WNW	3	bc-	71	55	8	4000	Cu	5	-	5	0	1020·7	+1	SW	3	b-	68	75	8	5700	Cu	1	Ci	2	*
Scilly (St. Mary's)	1025·1	+1	W'N	4	bc	64	75	8	4000	Cu	5	-	5	*	1025·9	+1	WNW	4	c	62	65	7	4000	St.Cu	8	-	8	3
Falmouth (Pendennis)	1025·3	+1	WNW	4	bc	60	75	8	4000	Cu	6	-	6	*	1026·1	+1	NW'N	4	bc	60	75	8	4000	St.Cu	7	-	7	0
Plymouth (Cattewater)	1024·2	+1	NW	4	c	63	65	8	2500	Cu	4	Ci.Cu	9	1	1025·0	0	WNW	4	bc+	60	75	8	2500	St.Cu	7	-	7	0
Portland Bill	1022·4	+1	SW	4	bc	60	85	8	2500	Cu.Nb	1	Ci	7	*	1023·5	+1	W	4	bc	62	75	8	2500	St.Cu	3	Ci	5	1
Southampton (Calshot)	1021·3	0	WNW	4	bc+	71	45	8	4000	Cu	1	Ci	3	0	1022·6	+2	NW'N	4	bc	67	55	8	4000	Cu	1	Ci	5	0
Dungeness	1020·5	0	SW	3	bc	65	85	7	1500	Cu	3	Ci.Cu	4	*	1020·4	+1	WSW	4	bc	65	75	7	1500	Cu	3	Ci	4	2
Guernsey (Fort George)	1024·7	+2	NW	3	bc	60	75	8	2500	Cu	3	Ci	5	*	1025·3	0	NW	5	b-	59	79	7	-	-	0	Ci.St	2	4

LONDON OBSERVATIONS. Day 7h–18h, Kew & Croydon. 9h–18h, Kensington. 8h–21h, other stations.	Heights 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 13h. G.M.T. % (Yesterday)	Humidity 8h. G.M.T. % (To-day)	Visibility‡
(24 Hours ended 8h.)													
Kew	18	cbcby	by	bycbbcw	74	52	44	-	-	11·3	*	*	7
Croydon	244	crmbc	bbcy	bcmyw	74	52	46	Tr.	-	10·4	*	*	7
Greenwich (Royal Obsy.)	149	bcby	bbcy	bc@bcy	77	51	38	-	-	9·7	40	58	6
City (Bunhill Row)	60	*	*	*	*	*	*	*	*	10·2	*	*	*
Westminster (St. James' Pk.)	37	*	*	*	74	52	47	-	-	10·8	41	59	*
Regent's Pk. (Botanic Gdns).	158	*	*	*	*	*	*	*	*	10·4	*	*	*
Camden Square	110	bcb	bbc	*	78	54	*	-	-	*	*	62	*
Kensington Palace	80	bcb	bc	*	75	53	47	-	-	*	(At 18h) ~~44~~	59	*
Hampstead Observatory	450	*	*	*	73	50	43	-	-	10·9	*	68	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 10th

South Kensington Max.	Time.	Min.	Time.
0·3	10th 7h	<0·3	9th 18h

Kew Observatory Max.	Time.	Min.	Time.
0·1	10th 1h	<0·1	9th 23h

POLE STAR RECORD at Greenwich Obsy.

Exposure from 9th 21h.30m. to 10th 2h.30m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5·0	5·0	100
δ Ursae Minoris	5·0	5·0	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. 10th & 11th July, 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·43 3·44	11·58 11·58	20·12 20·12
Greenwich	3·56 3·57	12·05 12·05	20·13 20·13
Wick	3·23 3·25	12·18 12·18	21·11 21·10
Valentia	4·35 4·36	12·46 12·46	20·57 20·56

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 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.

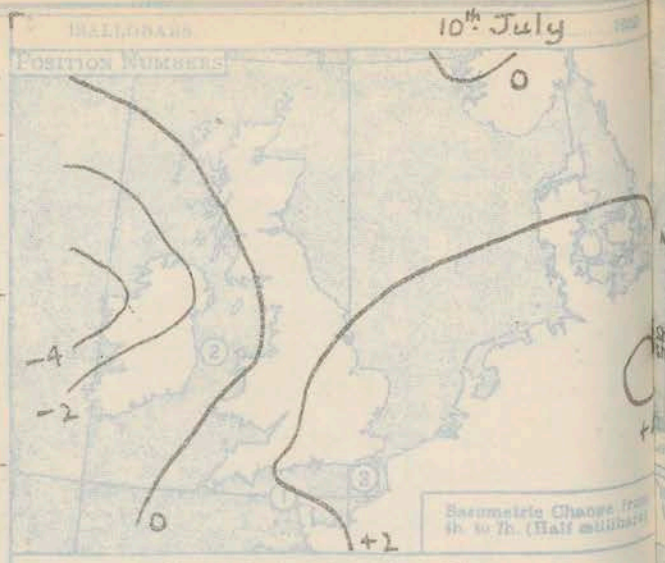
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ „
6. Moderate.	6¼ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

† 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.-13h. 9h.	13h.-18h. 9h.	18h. 9h. to 1h. 10h.	1h.-7h. 10h.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on Grass	RAINFALL.† Day. 7h.-18h. mm.	began.	Night. 18h.-7h. mm.	began.	SUN 9h. Hours.
Lerwick	cpr	cpr	c	cpr.q	56	50	.	0.2	<8.00	Tr.	6.30	0.7
Stornoway	r-d	c	o	oprd	56	41 51	.	3	<8.00	0.2	4.30	1.5
Fick	cprc	cprc	pr.bc	b-bc	66	50	.	1	11.00	0.2	<21.00	.
Tiree	pRc	prbcc	cjp	or.m.	58	62	50	3	<8.00	2	2.30	4.7
Nairn	cPRbc	bcqp	q bc	bc	61	51	.	1	9.00	-	-	3.9
Aberdeen	bcypr	bcprcy	bc	c	66	63	49	0.5	12.30	-	-	11.4
Malin Head	bbc	bccd.	cbcc	c	60	50	.	0.3	14.30	0.1	6.30	4.3
Renfrew	bcp.bcq	cqc	cd.qc	c	63	50	47	0.2	9.00	Tr.	<21.00	7.5
Edinburgh(Inchkeith)	cbc	bcc	cbc	c	61	51	49	Tr.	<8.00	—	—	7.0
Leuchars	bccp.	bcyq	r.Pc	c	64	51	47	Tr.	11.00	1	<21.00	10.8
Eskdalemuir	cprbcbq	bcycpc	cprc	c	62	44	41	Tr.	9.00	Tr.	<21.00	4.3
Tynemouth	bcp.q	bcq	cq	c	66	55	48	Tr.	9.00	-	-	.
Blacksod Point ...	ccq	ccq	pc	PR	60	54	.	Tr.	.	6	.	.
Donaghadee	bcq	bc	bc	pr c	66	51	.	-	-	Tr.	3.30	.
Birr Castle	cpc	cbc	bc	c	64	{50}	42	0.1	11.00	-	-	8.4
Holyhead	bcb	bbcpr	bccb	bbc	62	54	50	Tr.	14.30	-	-	10.9
Liverpool (Bidston)...	bcqby	bbybc	bcc	cwbbc	65	52	44	-	-	-	-	12.9
Chester (Sealand) ...	bccy	cbcy	bc	bc	67	49	38	-	-	-	-	11.5
Harrogate	bcq	bcq	cir.	c	63	52	50	-	-	Tr.	<21.00	8.7
Spurn Head	bcc	c	bc	c	66	56	.	-	-	-	-	10.8
Birmingham(Fdgbaston)	bc	bc	bcb	bbc	67	51	47	-	-	-	-	12.9
Cranwell	bbccy	cy	c	c	70	51	48	-	-	-	-	11.5
Gorleston	cd.dbc	bc	bcb	b	71	52	47	Tr.	-	-	-	8.2
Valentia(Cahirciveen)	bcp.c	cbcb	bbc	bcc	62	53	48	Tr.	9.00	-	-	6.6
Roches Point	c	cbc	bcw	bccw	66	52	.	-	-	Tr.	-	.
Pembroke(St.Aun's H.)	bc	bc	bc	bc	59	55	.	-	-	-	-	12.6
Ross-on-Wye	bbcy	bcy	bccb	bbc	71	52	47	-	-	-	-	12.7
Leafield	byw	bcy	bcw	bc	~~6~~ 70	49	47	-	-	-	-	12.9
Winchester (Worthy Dn)	cbcb	byrbc	cbcc	c	72	47	39	-	-	-	-	11.7
S. Farnborough ...	cbcby	bybcy	bcybc	bcw	75	46	32	-	-	-	-	11.1
London (Kew Obsy.)...	cbcby	by	bycb	bbcw	74	52	44	-	-	-	-	11.3
Croydon	cr.mbc	bbcy	bcm.	bcm.w	74	52	46	Tr.	<8.00	-	-	10.4
Shoeburyness... ...	cbcby	bcbbc	bc	bcw	76	51	41	Tr.	<8.00	Tr.	-	9.5
Clacton-on-Sea ...	cbc	bc	bc	bcw	75	53	49	-	-	-	-	9.3
Felixstowe	cbcb'	bc	bc	bcc	75	55	45	-	-	-	-	9.7
Lympne	d.rbc	bcyb	bcb	bbcwm.	74	49	40	Tr.	<8.00	Tr.	-	8.4
Scilly (St. Mary's) ...	bc	bcc	cbc	bbc	66	52	.	-	-	-	-	9.4
Falmouth (Pendennis)	bc	bcq	bc	bcbc	64	62	.	-	-	-	-	11.9
Plymouth(Cattewater)	cbc	bcc	bcb	bwc	64	52	47	-	-	-	-	9.8
Portland Bill	bc	bcb	bbcb	bbc	63	54	.	-	-	-	-	.
Southampton(Calshot)	cbcby	bcy	bcyb	bc	72	50	46	-	-	-	-	12.9
Dungeness	oddcwwc	bc	bcb	b	67	49	.	Tr.	<8.00	-	-	.
Guernsey	bc.	bcbq	bw	bbc	61	62	.	-	-	-	-	11.6



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.
2	9th 10h	Hibernia	SW	4	c	67	63
1	" 12h	St Helier	WNW	4	bc-	60	67
3	10th 1h	Dieppe	NW	2	bc	59	58

GENERAL INFERENCE.

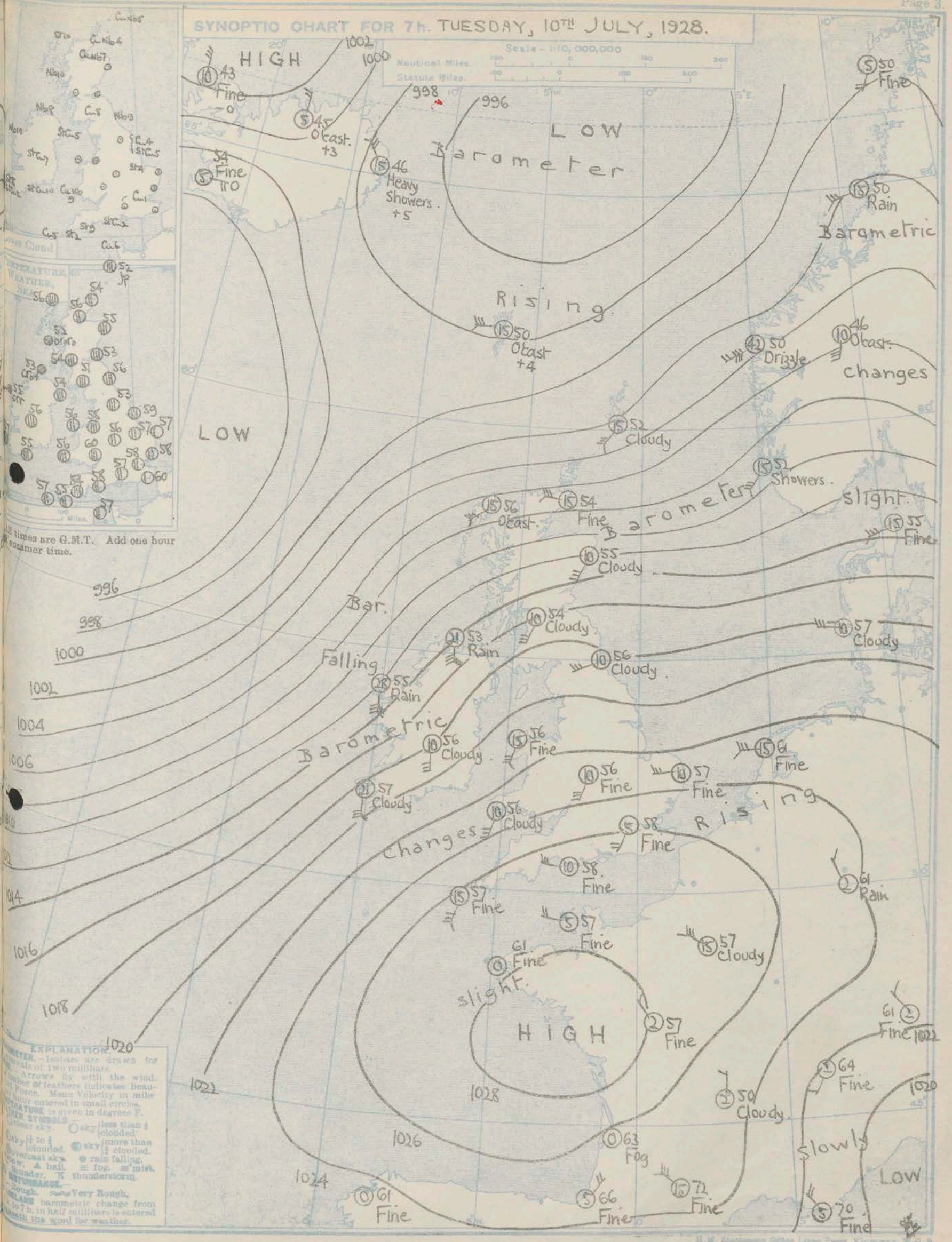
A deep depression out on the Atlantic will move northeastward between Iceland and Great Britain. Unsettled weather conditions will spread in over western districts and gradually extend eastwards and northeastwards across the British Isles. An anticyclone, moving eastwards across France, will maintain mainly fine and warm weather over Southeast England.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Tuesday, 10th July, 1928.	Further Outlook.
1. S.E. England 2. E. England	South to southwest winds, light to moderate; fine today, more cloud tomorrow; local morning mist; warm.	Bright intervals in all districts; moderate temperature in the North; warm in the South and Southeast.
3. E. Midlands 4. W. Midlands 5. S.W. England	Southwesterly winds, moderate to fresh or strong at times; bright intervals at first then cloudy with perhaps occasional rain or drizzle later; moderate temperature or rather warm.	
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Southwesterly winds, moderate to fresh or strong at times; cloudy with occasional rain or drizzle at first, later some bright intervals; moderate temperature.	
10. N.E. England 11. S.E. Scotland	As 2 - 5.	
12. S.W. Scotland ▼ Isle of Man 13 A. W Scotland ▼ B. NW Scotland ▼	South to southwest winds, moderate to strong, approaching a gale at times; occasional rain; moderate temperature.	▼ South Cone hoisted at 0805 G.M.T. today.
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	As 6 - 9.	
17. N.W. Ireland ▼	As 12 - 13B.	
18. N.E. Ireland 19. S.E. Ireland	As 6 - 9.	
20. S.W. Ireland ▼	As 12 - 13B.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0950 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 Press, Kingston.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Tuesday, 10th July....1928. No. 192.

Stations	Height above M.S.L. in feet	Observations at 18h. 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 0-6	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	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 0-6	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sun 0-6
Lerwick	54	1001.9	-1	SW	4	c	51	92	8	5700	StCu	5	ASt	10	1001.7	+1	SW	4	cjp	62	85	7	4000	CuNb	5	ASt	9	*
Stornoway	30	1007.9	+3	SW	4	c	*	*	6	*	*	*	*	9	1007.5	0	SW	4	o	56	75	7	2500	St	10	-	10	4
Wick	81	1006.8	0	W	2	bc	51	92	8	1500	CuNb	3	CiSt	5	1008.1	+1	W	4	bc	54	85	8	1500	CuNb	4	ACu	6	3
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.5	-1	SWW	3	ovr	52	92	6	800	Nb	10	-	10	3
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.3	*	W	2	bc	56	75	8	4000	CuNb	7	-	7	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.3	+1	SSW	3	c	55	75	8	-	-	0	ASt	10	0
Malin Head	51	1016.2	+1	SW	5	cv	53	92	7	5700	StCu	1	CiSt	8	1013.8	-2	S	5	crf	53	92	7	4000	Nb	8	ASt	10	4
Henfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*	1016.1	0	SW	3	c	54	85	7	-	-	0	ASt	10	*
Edinburgh (Inchkeith)	199	1013.3	+1	WSW	6	bc	54	75	8	4000	Cu	3	ACu	5	1016.9	+2	WSW	5	c	53	75	8	-	-	0	ASt	9	3
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.8	+2	SW	5	c	53	85	7	-	-	0	ASt	10	*
Eskdalemuir	784	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.3	+1	SSW	4	c	51	85	7	1500	Cu	8	ACu	9	*
Tynemouth	67	1017.7	+1	W	2	c	56	75	7	1500	Nb	8	-	8	1017.5	+1	WSW	3	c	56	65	6	800	Nb	9	-	9	1
Blackpool Point ...	18	1017.1	-2	WSW	4	bc	65	92	7	*	-	0	ACu	6	1011.8	-5	S	6	orr	65	97	6	*	Nb	10	-	10	6
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.0	-1	SW	2	c-	54	85	8	4000	StCu	5	ASt	8	1
Birr Castle	179	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.5	*	SSW	3	c+	56	75	7	4000	StCu	7	ACu	9	*
Holyhead	36	1020.7	+1	SW'S	3	b	54	85	7	4000	StCu	1	Ci	2	1020.7	0	SW'S	4	bc	56	92	7	-	-	0	CiSt	4	1
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.6	0	SSW	2	c+	58	65	8	-	-	0	ASt	9	*
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.6	0	SSW	3	c+	60	65	8	-	-	0	ACu	8	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.6	+1	S'E	1	c	53	85	8	-	-	0	ASt	9	*
Spurn Head	20	1019.5	+1	WSW	3	bc	56	85	6	5700	StCu	4	CiCu	7	1021.3	+2	WSW	3	c	59	75	6	5700	StCu	9	-	9	0
Birmingham (Edgbaston)	565	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.6	+1	SSW	3	bc+	56	75	7	-	-	0	CiCu	4	*
Cranwell	230	1021.3	+1	W	4	c	56	85	8	2500	Cu	6	CiSt	8	1022.7	+2	SW	3	bc-	57	75	7	4000	St	4	CiCu	7	*
Gorleston	14	1021.7	+2	W'S	2	b	56	75	7	-	-	0	ACu	2	1022.8	+2	W	3	b	57	85	7	-	-	0	Ci	2	0
Valentia (Cahirciveen) P	30	1023.6	0	WNW	5	bc	55	97	6	*	Cu	6	-	6	1019.9	-1	S	5	c	57	85	8	800	St	10	-	10	4
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1022.6	-1	SW	2	c	55	97	8	2500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	160	1023.5	+1	WSW	4	bc	56	92	7	2500	StCu	2	ASt	5	1024.1	0	SW'S	3	c+	56	97	7	800	CuNb	9	CiCu	10	1
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.7	+1	SW	3	c+	60	75	6	-	-	0	Ci	8	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.3	+3	SW'S	3	bc-	57	92	7	2500	Cu	1	Ci	4	*
Winchester (Worthy Dn.)	273	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.8	+2	SSW	2	c-	55	85	7	1500	StCu	7	Ci	8	*
S. Farnborough ...	250	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.4	+2	WSW	2	bc	57	85	8	-	-	0	Ci	6	*
London (Kew Obsy.) ...	18	*	*	*	*	*	56	*	*	*	*	*	*	*	1026.0	+2	SW'S	2	bc	58	85	6	800	Cu	1	CiSt	6	*
Croydon	344	1024.3	+2	WSW	2	bc-	54	92	6	-	-	0	Ci	3	1026.9	+3	W	2	bc-	57	85	6	-	-	0	Ci	5	*
Shoeburyness	21	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.2	+3	W'S	3	bc	60	85	6	-	-	0	CiCu	3	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.3	+2	WNW	3	bc	58	85	7	-	-	0	CiSt	5	2
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.2	+3	W	3	bc	60	75	7	-	-	0	Ci	7	1
Lympne	350	1023.9	+3	NW'N	3	b	53	85	7	-	-	0	Ci	1	1025.2	+2	SW	2	bc-	57	85	8	-	-	0	Ci	4	*
Scilly (St. Mary's) ...	163	1026.2	0	W'S	3	b-	54	92	7	4000	StCu	1	Ci	2	1026.2	0	SW'S	4	bc	57	92	7	4000	Cu	5	-	5	3
Falmouth (Pendennis)	300	1027.6	+1	-	0	bc	53	92	7	4000	Cu	2	CiCu	5	1026.4	+1	WSW	2	bc-	55	97	8	1500	St	2	Ci	4	0
Plymouth (Cattewater)	62	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.3	+1	WNW	2	c+	54	92	7	800	St	9	-	9	0
Portland Bill	52	1024.8	0	W'N	4	b	56	85	8	2500	Cu	1	-	1	1026.3	+2	W'N	3	bc	58	85	8	2500	StCu	2	Ci	5	0
Southampton (Calshot)	10	1025.0	+1	W	2	b	52	85	7	-	-	0	-	0	1026.6	+3	WNW	3	c+	56	85	8	1500	St	7	ACu	9	0
Dungeness	20	1023.8	+3	WNW	2	b-	55	85	7	-	-	0	CiSt	2	1025.7	+2	WNW	1	b-	60	75	7	-	-	0	CiSt	1	4
Guernsey (Fort George) P	208	1026.2	0	WNW	1	b-	54	92	7	-	-	0	-	0	1027.7	+1	WNW	2	bc+	57	85	8	2500	Cu	6	-	6	5

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

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. 9h. 8th to 9h. 9th °F.	Temperature Max. 9h.-17h. 9th °F.	Rainfall† Night 17h.-9h. 8th-9th mm.	Rainfall† Day 9h.-17h. 9th mm.	Sunshine Sunrise to 17h. 9th hr.	Sunshine Sunrise to Sunset 9th hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	cbc	b	50	65	-	-	10.2	1.4
Douglas (I. o. M.) ...	bcc	bcc	51	64	-	-	9.0	0.2
Llandudno ...	bc	bcc	54	64	0.3	-	9.6	2.7
Colwyn Bay ...	b	b	54	67	-	-	11.4	5.4
Rhyl	bbc	bc	55	67	-	-	9.3	5.3
Wallasey	b	bbc	55	64	-	-	11.5	4.5
Southport	bbc	cbcc	*54	64	2	-	10.0	4.0
Blackpool	cbc	bcc	49	63	0.4	-	8.2	2.5
Ilkley	bc	bc	52	65	-	-	8.1	3.9
Cleethorpes	b	b	57	72	-	-	11.3	8.4
Skegness	obrbc	bcc	53	70	0.4	-	10.6	9.3
Aberystwyth ...	pbc	bcc	53	61	4	-	8.3	0.0
Bath	b	b	58	67	1	-	11.4	0.8
Cheltenham ...	bvy	bvy	56	74	Trace	-	12.3	0.3
Leamington Spa ...	b	b	56	69	-	-	12.0	2.7
Lowestoft	cb	cb	60	71	0.4	-	7.4	12.4
Harwich & Dovercourt	rbc	bc	59	75	0.3	-	7.9	12.3
Maldon	rcb	b	59	75	1	-	8.2	10.9
Southend	cb	cb	59	77	1	-	7.7	12.5

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	bcb	b	56	61	1	-	11.3	0.0
Bude	ocbc	bcb	55	65	1	-	9.2	0.9
Penzance	cb	bc	53	63	0.5	-	7.5	0.0
Paignton	bbc	by	54	71	-	-	10.5	0.1
Torquay	bcb	by	54	71	-	-	10.5	0.0
Jersey	dc	bc	56	64	-	-	7.7	3.3
Weymouth	b	b	52	63	-	-	12.6	2.1
Bournemouth ...	bcbcc	b	58	74	-	-	11.0	7.9
Ventnor ...	db	b3	57	66	0.5	-	10.2	7.9
Portsmouth (S'thsea)	cb	b	58	74	0.4	-	9.5	8.8
Bognor	cbcb	b	58	73	0.5	-	8.9	10.2
Littlehampton ...	bcb	b	59	73	0.4	-	9.9	10.7
Worthing	bcb	b	59	72	0.5	-	9.4	12.0
Brighton	bccb	b	59	69	1	-	9.0	12.0
Eastbourne	bcb	b	58	68	0.5	-	8.1	13.0
Hastings	cbcb	b	56	70	1	-	8.3	12.8
Folkestone	ordmc	cbc	57	72	0.3	Trace	6.2	11.6
Dover	odbc	bcb	56	68	Trace	Trace	6.1	11.8
Tunbridge Wells ...	b	b	57	75	0.5	-	8.7	13.5
Ramsgate	cbc	bcb	57	74	0.2	-	8.3	13.7
Margate	cbc	bc	57	72	0.2	-	6.3	14.4
Deal	docb	b	57	74	0.3	-	5.6	13.1

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 18h. 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.24338. Wednesday 11th July 1928.

Observations at 18h. 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. Heights Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.	Sea. 0-9
Lerwick	1005.9	+6	SW	4	cjb	54	85	7	4000	CuNb	4	A.St	9	•	
Stornoway	1004.1	-5	S	4	od	53	97	7	2500	St	10	-	10	•	
Wick	1008.4	+1	SW	2	crr	54	92	8	1500	CuNb	10	-	10	•	
Tiree	1009.8	-3	SSW	6	arr	56	97	6	800	Nb	10	-	10	2	
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Aberdeen	1011.5	-3	S	3	cr	54	85	6	1500	Nb	6	A St	10	1	
Malin Head	1009.9	-1	SSW	6	cr	60	97	7	4000	Nb	5	A St	10	•	
Renfrew	1012.5	-5	SSW	5	crr	56	92	6	800	Nb	8	A Cu	9	1	
Edinburgh (Inchkeith)	1012.5	-3	WSW	5	c	56	75	8	2500	St	5	A St	10	•	
Leuchars	1012.5	-4	SW	4	c/r	58	75	8	2500	St.Cu	8	A St	10	0	
Eskdalemuir	1016.0	-3	SSW	6	orr	53	92	6	1500	Nb	10	-	10	1	
Tynemouth	1016.0	-3	SW	6	o/r	62	65	6	800	Nb	10	-	10	•	
Blacksod Point	1011.1	-1	S	6	oR	60	92	7	•	Nb	10	-	10	•	
Donaghadee	1015.4	-3	WSW	3	c-	59	75	8	4000	St.Cu	4	A St	9	•	
Birr Castle	1016.7	•	S	5	cr	61	75	6	1500	Nb	9	-	9	•	
Holyhead	1019.7	-1	SSW	5	c/pr	58	85	8	1500	St	1	A St	10	5	
Liverpool (Bidston)	1020.7	-1	SW	4	c-	64	55	9	-	-	0	A St	9	•	
Chester (Sealand)	1020.9	-1	SW'S	5	c	65	45	9	7200	St	5	A St	9	1	
Harrogate	1019.8	-1	SW'S	5	c	62	55	7	-	-	0	A St	9	•	
Spurn Head	1021.0	-1	WSW	4	c	68	65	6	5700	St.Cu	8	A Cu	10	•	
Birmingham (Edgbaston)	1023.4	+1	SW	4	c+	68	55	8	-	-	0	A.St	9	0	
Cranwell	1022.5	-2	SW'W	5	c	71	45	7	-	-	0	A Cu	9	0	
Gorleston	1023.1	0	W'N	3	bc	72	45	6	-	-	0	A Cu	5	•	
Valentia (Cahirciveen)	1019.3	0	S	5	o	60	92	6	450	St	10	-	10	5	
Roches Point	1022.0	0	SW	2	c	57	97	8	1500	St.Cu	10	-	10	•	
Pembroke (St. Ann's H.)	1023.7	-1	SW'S	4	c-	59	85	7	1500	St.Cu	3	Ci.Cu	8	•	
Ross-on-Wye	1023.4	0	SW'W	3	c+	71	45	8	-	-	0	A.Cu	9	0	
Leafield	1023.7	-1	SW	4	bc	71	45	9	-	-	0	Ci	5	0	
Winchester (Worthy Dn.)	1025.7	0	SSW	3	c	72	55	8	4000	Cu	1	Ci.St	9	0	
S. Farnborough	1024.9	0	W	2	bc	76	35	8	7200	Cu	2	A.Cu	6	0	
London (Kew Obsy.)	1025.1	-1	WSW	3	bc	73	35	8	-	-	0	Ci	7	0	
Croydon	1024.7	-2	W'S	3	bc+	76	45	8	-	-	0	Ci	7	0	
Shoeburyness	1025.1	0	SW'W	4	b	73	55	7	-	-	0	A St	1	•	
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Felixstowe	1024.4	-1	SW	1	bc	75	35	8	-	-	0	Ci.St	7	0	
Lympne	1025.5	0	SSW	4	bc	66	65	8	-	-	0	Ci	7	0	
Scilly (St. Mary's)	1026.3	0	SSW	4	bc	64	75	7	4000	Cu	1	Ci	5	•	
Falmouth (Pendennis)	1026.6	0	WSW	4	bc	63	75	8	4000	Cu	2	Ci.St	4	•	
Plymouth (Cattewater)	1027.0	0	SW	3	bc-	62	75	8	800	St	1	Ci.St	5	0	
Portland Bill	1026.4	0	SW	3	bc	59	85	6	1500	St	7	Ci	8	•	
Southampton (Calshot)	1026.2	-1	SW	4	bc	71	55	8	-	-	0	Ci.St	7	0	
Dungeness	1026.1	0	SW	3	bc-	64	75	7	-	-	0	Ci.St	5	•	
Guernsey (Fort George)	1027.4	-1	SSW	2	b-	65	75	8	-	-	0	Ci	2	•	

Observations at 18h. 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. Heights Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1005.8	0	SW	2	c	53	85	8	4000	Cu	3	A St	10	•
Stornoway	1002.8	0	SSW	4	or	58	97	7	2500	St	10	-	10	3
Wick	1004.9	-4	SSW	2	c/r	53	97	8	1500	Nb	8	Ci.St	10	0
Tiree	1007.7	0	WSW	6	odd	56	97	6	450	Nb	10	-	10	4
Nairn	1005.8	•	W	4	bc	63	85	8	4000	Cu.Nb	7	-	7	•
Aberdeen	1007.6	-4	SW	4	c	59	75	8	2500	St.Cu	2	A St	9	1
Malin Head	1009.5	0	SW	5	cr	60	97	7	4000	Nb	3	A St	9	4
Renfrew	1011.3	-1	SW'S	4	orr	58	97	6	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	1011.6	-2	WSW	4	orr	57	92	7	800	Nb	10	-	10	2
Leuchars	1009.9	-4	SW	4	c	60	92	8	800	St	9	Ci	9	•
Eskdalemuir	1014.7	-0	SSW	5	or	53	97	5	450	Nb	10	-	10	•
Tynemouth	1014.0	-3	SW	6	o	60	75	6	1500	Nb	10	-	10	2
Blacksod Point	1010.8	-1	W	6	oRR	60	92	5	•	Nb	10	-	10	7
Donaghadee	1014.0	-3	WSW	4	c/pr	64	85	8	2500	Nb	8	-	8	3
Birr Castle	1015.3	•	S	5	c	65	85	6	1500	St.Cu	9	-	9	•
Holyhead	1018.9	-1	SSW	5	o/r	56	97	6	800	St	10	-	10	4
Liverpool (Bidston)	1019.2	-2	SW	5	c	62	55	9	4000	Nb	9	Ci.St	9	•
Chester (Sealand)	1019.8	0	SSW	4	c+	64	45	9	5700	St	8	A St	10	•
Harrogate	1017.9	-1	SW	7	cr	62	55	7	-	-	0	A St	9	•
Spurn Head	1019.3	-1	WSW	6	c	68	55	6	5700	St.Cu	6	Ci.St	10	3
Birmingham (Edgbaston)	1022.3	-2	SW	4	bc	68	45	8	4000	St.Cu	4	A Cu	7	•
Cranwell	1021.2	-2	WSW	5	c	69	55	7	4000	St.Cu	6	Ci.St	10	•
Gorleston	1021.6	-2	WSW	3	bc	76	35	6	-	-	0	Ci	7	0
Valentia (Cahirciveen)	1018.4	-1	S	5	c	61	92	7	800	St	10	-	10	4
Roches Point	1021.0	-1	SW	3	o	57	97	6	800	St	10	-	10	4
Pembroke (St. Ann's H.)	1022.9	-1	SW'S	4	c	58	85	7	1500	St.Cu	5	Ci.Cu	8	3
Ross-on-Wye	1022.8	-1	WSW	5	c	67	45	8	5700	St.Cu	3	A.Cu	9	•
Leafield	1022.8	-1	SW'S	4	bc	69	55	9	4000	Cu	1	Ci.St	7	•
Winchester (Worthy Dn.)	1024.8	-1	SSW	3	c	68	55	8	7200	St.Cu	3	A.St	8	•
S. Farnborough	1024.5	0	SSW	3	c+	67	55	8	7200	St	2	Ci.St	10	•
London (Kew Obsy.)	1024.3	0	SW	3	c	71	45	8	-	-	0	Ci	8	•
Croydon	1024.5	+1	SW	3	c	68	65	8	-	-	0	A St	9	•
Shoeburyness	1023.9	-1	SSW	4	c	70	75	6	-	-	0	Ci.Cu	8	•
Clacton-on-Sea	1023.1	-1	S	4	bc	68	75	7	-	-	0	Ci.St	7	3
Felixstowe	1023.1	-2	SSW	4	bc	70	75	8	-	-	0	Ci.St	7	1
Lympne	1024.8	0	SSW	3	c+	64	65	8	-	-	0	A St	9	•
Scilly (St. Mary's)	1025.4	-1	SW	4	c+	60	85	7	4000	St.Cu	8	-	8	3
Falmouth (Pendennis)	1025.8	0	W'S	4	bc+	60	85	8	4000	Cu	2	Ci.St	6	1
Plymouth (Cattewater)	1026.1	0	SW	2	bc	59	92	8	800	St	2	Ci.St	6	0
Portland Bill	1025.4	-1	SW	3	c	59	85	8	4000	St.Cu	2	Ci	8	1
Southampton (Calshot)	1025.7	-1	SW'W	4	c+	66	65	8	-	-	0	Ci.St	8	0
Dungeness	1025.3	-1	WSW	3	bc+	62	75	7	-	-	0	Ci.St	7	3
Guernsey (Fort George)	1026.8	-1	-	0	bc+	61	85	7	-	-	0	Ci.St	7	0

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 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.)	Visibility §§
Kew	18	bcy	cy	cybc	77	56	48	-	-	10.4	•	•	8
Croydon	244	bc3y	bcvy	cbcy	77	54	51	-	-	11.3	•	•	8
Greenwich (Royal Obsy.)	149	c3y	cy	cmy	82	54	41	-	-	12.3	35	51	6
City (Bunhill Row)	50	•	•	•	•	•	•	•	•	10.6	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	77	57	51	-	-	11.6	36	51	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	11.3	•	•	•
Camden Square	110	bc	bbc	•	81	57	•	-	-	•	52	•	•
Kensington Palace	90	c3bc	bc	•	73	56	50	-	-	•	At 18h. 43	48	•
Hampstead Observatory	450	•	•	•	77	53	44	-	-	11.5	•	45	•

Atmospheric Pollution

Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 11th

South Kensington

Max.	Time.	Min.	Time.
0.3	10th 9h	<0.3	10th 14h

Kew Observatory

Max.	Time.	Min.	Time.
0.1	21h 10th	<0.1	13h 10th

Pole Star Record at Greenwich Obsy.

Exposure from 10th 21h 30m. to 11th 2h 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.0	4.30	90
β Ursae Minoris	5.0	4.30	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.

11th & 12th July, 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.44	11.58	20.12
	3.45	11.58	20.11
Greenwich	3.57	12.05	20.13
	3.58	12.05	20.12
Wick	3.25	12.18	21.10
	3.26	12.18	21.08
Valentia	4.36	12.46	20.56
	4.37	12.46	20.55

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—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.

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.

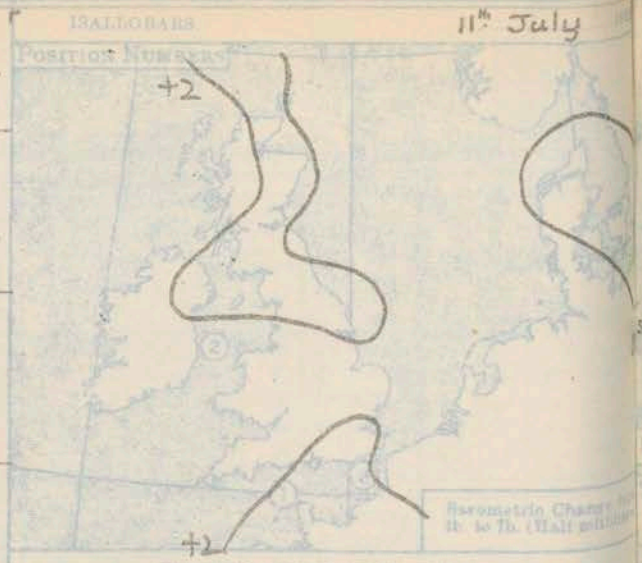
	Objects not visible at
0. Dense fog.	55 yards.
Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2¾ "
6. Moderate.	6½ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m	

† Trace = rain has fallen, but amounts 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. 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	cpr	c	orrm	orrm	56	50	•	Tr.	<8.00	9	<21.00	3.9
Stornoway	r-d	r-d	p	opro	59	52	•	2	9.00	6	<21.00	0.5
Wick	bcrr	rrr	orrc	c	55	51	•	3	11.00	1	<21.00	•
Tiree	dmr	dd	dd	dd0	57	55	55	4	<8.00	2	<21.00	0.0
Nairn	bcPRc	cbcjp	bc	bcq	64	58	•	1	9.00	-	-	1.4
Aberdeen	ccrrm	crcmc	c	c	60	59	58	3	9.00	-	-	0.3
Malin Head	cir	cr	cirr	cr	62	58	•	2	<8.00	3	<21.00	0.0
Renfrew	crrqm	crrrq	orqrr	orrrcq	59	58	57	1	<8.00	7	<21.00	0.3
Edinburgh (Inchkeith)	cpr	cirr	orr dd	rrrrcdb	60	57	56	0.1	9.00	4	<21.00	0.0
Leuchars	cir	c	coir	co	60	59	58	Tr.	9.00	0.1	<21.00	0.0
Eskdalemuir	cprcorrm	orroirm	odcirrm	orrmdd	56	53	53	5	9.00	18	<21.00	0.3
Tynemouth	coirq	ocq	ocbcq	bccq	64	59	55	Tr.	9.00	-	-	•
Blacksod Point ...	Rr	PR	R o	ogo	61	58	•	6	•	1	•	•
Donaghadee	circ	cpr	cpr	cprc	64	61	•	3	9.00	0.4	<21.00	•
Birr Castle	cir	cpr	c	c	65	60	60	0.1	11.00	-	-	0.0
Holyhead	bccpr	irm	irr0	fefem	58	56	55	1	9.00	1	<21.00	2.0
Liverpool (Bidston) ...	ccvy	ccvy	vcbcb	bwv	(55)	59	54	-	-	-	-	1.0
Chester (Sealand) ...	cyv	cvy	cbc	bcv	66	61	66	-	-	-	-	0.8
Harrogate	cir	cqir	cir	cq	67	58	57	Tr.	11.00	Tr.	<21.00	0.4
Spurn Head	c	cy	cy	bbc	70	58	•	-	-	-	-	2.9
Birmingham (Edgbaston)	bcc	cbc	bcb	bc	72	53	50	-	-	-	-	6.1
Cranwell	c	c	c	c	75	66	54	-	-	-	-	6.5
Gorleston	bbc	bcy	bc	bc	77	59	56	-	-	-	-	10.4
Valentia (Cahirciveen)	cb0	oc	cod	od	62	58	57	Tr.	9.00	1	<21.00	0.0
Roches Point	cpc	cim0	odd	odd	69	54	•	Tr.	11.00	0.3	<21.00	•
Pembroke (St. Ann's H.)	c	c	c	offedd	59	66	•	-	-	Tr.	<21.00	2.9
Ross-on-Wye	cbcc	cycqy	cybcyb	b	73	54	50	-	-	-	-	8.0
Leafield	bc	bcy	bc	c	73	51	48	-	-	-	-	9.9
Winchester (Worthy Dn.)	c	cy	cbc	bccifc	74	50	46	-	-	-	-	9.4
S. Farnborough ...	bcy	bcyc	cb	bwbc	77	51	41	-	-	-	-	9.3
London (Kew Obsy.) ...	bcy	cy	cybc	bc	77	56	48	-	-	-	-	10.4
Croydon	bczy	bccy	cbc	bcbcy	77	64	51	-	-	-	-	11.3
Shoeburyness	bcbyz	bc	bc	bc	78	56	51	-	-	-	-	12.0
Clacton-on-Sea	bc	bc	bc	bc	76	58	56	-	-	-	-	10.9
Felixstowe	bcy	bcy	bc	bc	76	59	56	-	-	-	-	10.9
Lympne	bcybc	bcc	ocbw	bbcwm	69	52	49	-	-	Tr.	-	11.4
Scilly (St. Mary's) ...	bc	bc	cbc	bcc	64	55	•	-	-	-	-	13.6
Falmouth (Pendennis)	bc	bc	bcc	c	65	55	•	-	-	-	-	13.8
Plymouth (Cattewater)	cbc	bc	bcb	bwc	64	56	54	-	-	-	-	7.0
Portland Bill	bczo	c	bc	bcbcz	61	56	•	-	-	-	-	•
Southampton (Calshot)	cbc	bcy	cbcw	bwcwbc	71	56	53	-	-	Tr.	-	12.3
Dungeness	bbc	bcbcc	bc	bc	65	57	•	-	-	-	-	•
Guernsey	bcb	bbc	bcb	b	66	55	•	-	-	-	-	13.5



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	10th 10h	Hibernia	S'W	6	C+	56	53
1	" 12h	St. Julien	NW'W	4	C	62	58
3	11th 2h	Brighton	NW	1	bc	59	57

GENERAL INFERENCE.

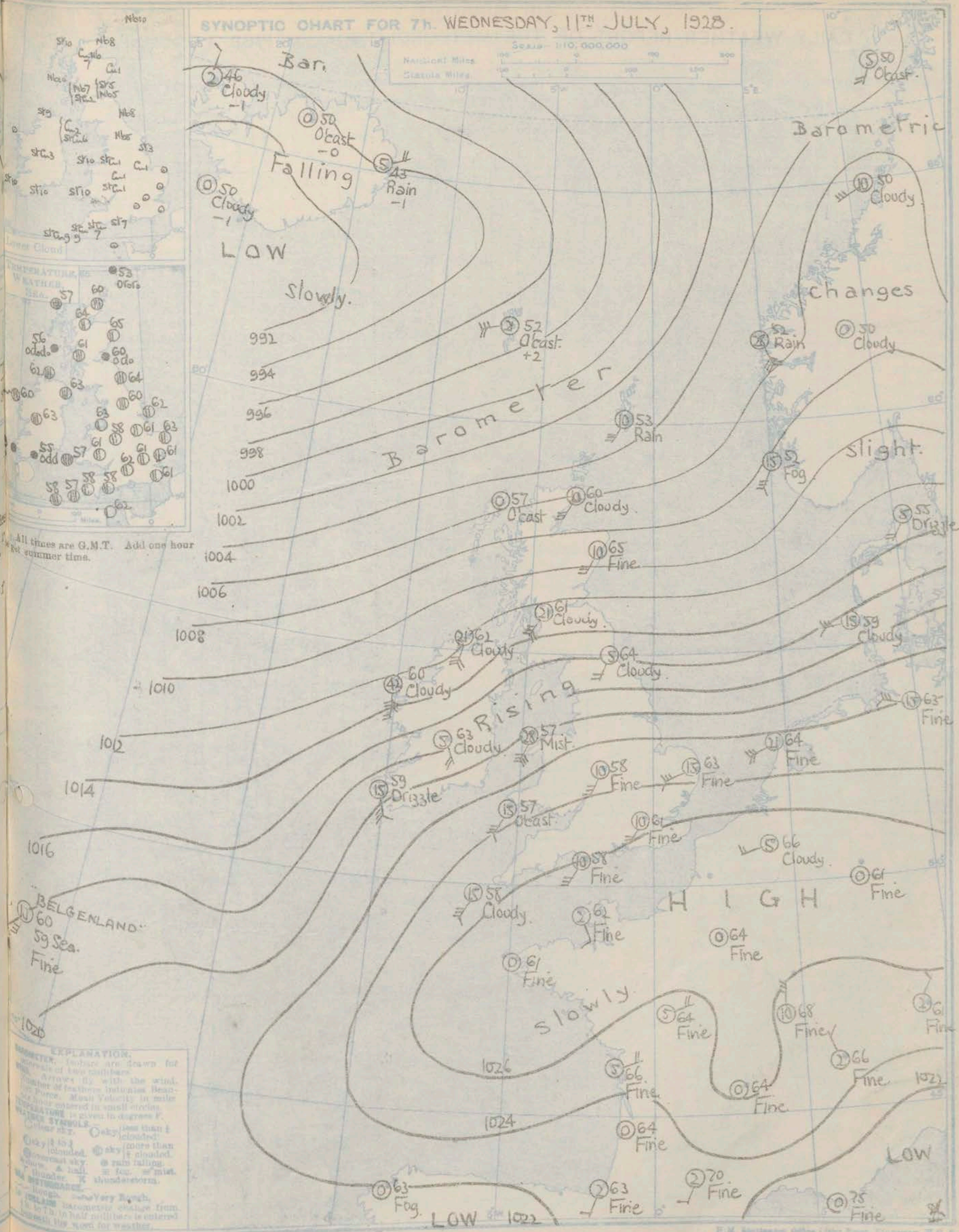
An anticyclone over France and Germany will maintain fine and warm weather over Southern and Eastern England but secondaries associated with a depression near Iceland will give rise to rather unsettled conditions in the northern and western districts of the British Isles.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Wednesday, 11th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Southwesterly or variable winds, light to moderate; mainly bright; local morning mist; very warm.	
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Winds between S. and W., fresh at times; bright and cloudy periods; slight occasional local drizzle and mist; moderate temperature to rather warm.	Similar.
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Southwesterly winds, mainly light to moderate; some bright intervals; perhaps occasional local drizzle; rather warm.	South Cone still flying.
12. S.W. Scotland, Isle of Man 13 (A. W. Scotland, (B. NW. Scotland	Winds between S. and W., strong at times; bright and cloudy periods; occasional local rain or drizzle; some coastal mist in morning; moderate temperature.	
14. Mid-Scotland 15. N.E. Scotland	As 9 - 11.	
16. Orkneys and Shetlands	As 12 - 13B.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Southwesterly winds, fresh to strong at times; bright and cloudy periods; occasional rain or drizzle; local coastal mist; moderate temperature.	

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

SYNOPTIC CHART FOR 7h. WEDNESDAY, 11TH JULY, 1928.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION..........Wednesday.,...11th July.....1928. No.193..

Observations at 1h. G.M.T. 11th

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	1003.1	-1	S'E	2	or_0r_0	51	97	4	4000	Nb	10	-	10
Stornoway	30	1003.9	0	SW	3	cr_0	•	•	5	•	•	•	•	9
Wick	81	1003.6	-1	SW	2	c	57	97	8	1500	Nb	6	CiSt	8
Tiree	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	89	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	61	1006	+1	SW	5	cr_0	59	97	7	5700	Nb	1	ASt	9
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1010.2	0	WSW	4	odd	59	92	8	800	Nb	10	-	10
Leuchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1013.6	-1	SW	6	bc	61	85	7	1500	Cu	4	Ci	5
Blacksod Point	18	1011.8	+1	SSW	6	c	60	92	6	•	-	0	ASt	10
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	28	1018.7	0	SSW	6	o	56	97	6	450	St	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	29	1018.6	0	W'S	5	c	62	55	7	4000	CuNb	6	CiSt	9
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	236	1021.4	0	SW'W	5	c	61	55	8	2500	StCu	4	Ci	8
Gorleston	14	1021.7	0	SW	3	bc	62	75	7	-	-	0	ACu	5
Valentia (Cahirciveen) ♃	30	1017.5	0	SSW	5	mmo	59	97	4	•	St	10	-	10
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	160	1023.2	0	SW'W	4	o/r	57	97	6	800	St	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester (Worthy Dn.)	279	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	58	•	•	•	•	•	•	•
Croydon	264	1024.7	-1	SSW	3	bc	57	75	7	-	-	0	Ci	5
Shoeburyness	31	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1025.4	0	SW'S	2	b	65	92	7	-	-	0	Ci	2
Scilly (St. Mary's)	168	1026.2	-1	SW'S	4	bc	57	92	7	4000	StCu	5	-	5
Falmouth (Pendennis)	200	1025.7	0	WSW	4	c+	56	97	7	4000	StCu	9	-	9
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	52	1026.3	0	SW	3	bc	57	92	8	2500	StCu	3	-	3
Southampton (Calshot)	10	1024.9	-1	SW'W	4	bc-	57	92	8	2500	Cu	3	Ci	6
Dungeness	20	1026.5	0	SW	2	bc	58	92	8	-	-	0	CiSt	6
Guernsey (Fort George) ♃	298	1026.4	-1	-	0	b-	54	92	7	-	-	0	-	0

Observations at 7h. G.M.T. 11th

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	1002.8	+1	SW	3	or_0r_0	53	97	6	4000	Nb	10	-	10	•
Stornoway	1005.4	+1	-	0	o	57	97	7	2500	St	10	-	10	0
Wick	1006.3	+2	SW	3	c	60	85	8	1500	Nb	8	CiSt	10	1
Tiree	1009.5	0	WSW	5	odd_0	56	97	6	220	Nb	10	-	10	4
Nairn	1007.9	•	WSW	2	bc+	64	85	8	4000	CuNb	7	-	7	•
Aberdeen	1009.3	+2	SW	3	bc	65	85	8	2500	Cu	1	ACu	6	0
Malin Head	1011.4	+1	SSW	6	c/r	62	97	7	1500	St	9	-	9	3
Renfrew	1012.4	+2	SW	5	c-	61	97	6	800	Nb	9	-	9	•
Edinburgh (Inchkeith)	1011.9	+1	WSW	4	od_0	60	92	8	1500	St	10	-	10	2
Leuchars	1011.7	+2	SW	5	c	63	85	7	800	Nb	9	-	9	•
Eskdalemuir	1015.9	+1	SW'S	4	od_0d_0	57	97	5	1500	Nb	10	-	10	•
Tynemouth	1015.4	+3	SW	2	c	64	85	7	1600	Nb	8	-	8	1
Blacksod Point	1012.6	0	S	8	c	60	92	6	•	-	0	ASt	10	7
Donaghadee	1016.1	+2	WSW	3	c-	63	92	8	4000	StCu	8	-	8	2
Birr Castle	1017.2	•	SSE	2	c	63	92	7	2500	StCu	3	ASt	9	•
Holyhead	1019.9	+1	SWS	6	mmo	57	97	4	<150	St	10	-	10	4
Liverpool (Bidston)	1020.6	+1	WSW	3	bv	63	75	9	4000	StCu	1	-	1	•
Chester (Sealand)	1019.7	+1	SW	6	bv-	64	75	9	1500	St	1	Ci	2	•
Harrogate	1019.8	+2	S'E	1	c	60	85	7	4000	Nb	5	ASt	10	•
Spurn Head	1020.8	+2	WSW	3	bc-	62	75	6	4000	St	3	CiCu	5	0
Birmingham (Edgbaston)	1023.6	+1	SSW	3	bc+	58	75	8	2500	Cu	1	CiCu	4	•
Cranwell	1022.1	+1	W'S	4	bc	61	85	8	4000	Cu	1	Ci	3	•
Gorleston	1022.4	0	WSW	4	bc	63	55	6	-	-	0	Ci	4	0
Valentia (Cahirciveen) ♃	1019.5	+1	S'E	4	od_0	59	97	4	<150	St	10	-	10	3
Roches Point	1021.7	+1	SW	3	odd	55	97	4	450	St	10	-	10	4
Pembroke (St. Ann's H.)	1023.2	+1	SW'W	4	o/f	57	97	6	800	St	10	-	10	4
Ross-on-Wye	1023.5	+1	SW'W	4	bc+	61	75	7	4000	StCu	1	Ci	3	•
Leafield	1024.4	+3	SW'W	3	bc-	59	85	8	2500	Cu	1	Ci	4	•
Winchester (Worthy Dn.)	1025.8	+1	S	1	bc	57	92	7	2500	StCu	1	Ci	5	•
S. Farnborough	1025.6	+2	SW	3	bc	62	65	8	-	-	0	Ci	4	•
London (Kew Obsy.)	1025.7	+2	SW'W	3	bc	61	65	8	-	-	0	Ci	7	•
Croydon	1026.6	+2	WSW	3	bc	64	55	8	-	-	0	Ci	7	•
Shoeburyness	1025.4	+3	WSW	4	bc	62	85	7	-	-	0	Ci	3	•
Clacton-on-Sea	1024.5	+3	SW	4	bc	61	75	7	-	-	0	Ci	5	3
Felixstowe	1024.5	+1	SW	4	bc	63	65	7	-	-	0	CiSt	7	3
Lympne	1025.7	+1	SW	2	bc	59	85	7	-	-	0	Ci	7	•
Scilly (St. Mary's)	1025.1	+1	SW	4	c+	58	85	7	4000	StCu	9	-	9	3
Falmouth (Pendennis)	1026.0	0	SW'W	3	c	57	85	8	4000	StCu	9	-	9	0
Plymouth (Cattewater)	1026.1	+1	SW	3	bc-	58	85	7	1500	StCu	7	-	7	0
Portland Bill	1025.8	+1	SW	3	bc	58	92	6	1500	St	7	Ci	7	0
Southampton (Calshot)	1026.0	+2	WSW	3	bc	61	85	7	1500	Cu	2	Ci	6	0
Dungeness	1026.5	+1	SW	2	bc	61	85	7	-	-	0	CiSt	7	2
Guernsey (Fort George) ♃	1026.8	+2	SSE	1	b	~~58~~ 61	~~97~~ 85	7	-	-	0	Ci	2	0

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

Stations (1)	Weather Forenoon (2)	Weather Afternoon (3)	Temperature Min. 9h.-9h. 9th to 10th (4) °F	Temperature Max. 9h.-17h. 10th (5) °F	Rainfall† Night 17h.-9h. 9th-10th (6) mm.	Rainfall† Day 9h.-17h. 10th (7) mm.	Sunshine Sunrise to 17h. 10th (8) hr.	Sunshine Sunrise to Sunset 9th (9) hr.
Berwick-on-Tweed	c	c	52	61	-	-	0.0	11.9
Douglas (I. o. M.)	o	ob	51	58	-	4	0.5	10.9
Llandudno	c	c	57	62	-	-	3.6	11.1
Colwyn Bay	bbcc	cbcc	51	66	-	-	2.5	12.8
Rhyl	bcbc	gcbc	50	67	-	-	2.9	10.7
Wallasey	bcc	c	51	65	-	-	0.8	12.0
Southport	bco	ob,o	*54	64	-	Trace	0.6	11.5
Blackpool	co	or	55	63	-	0.1	0.2	9.6
Ilkley	c	cog	52	68	-	-	0.7	8.2
Cleethorpes	co	co	50	72	-	-	2.3	11.6
Skegness	cbc	bcco	53	75	-	-	7.6	11.2
Aberystwyth	bcc	c	52	64	-	-	3.9	9.6
Bath	bbc	bbc	57	74	-	-	8.4	13.9
Cheltenham‡	bcb	bbc	58	75	-	-	9.4	12.6
Leamington Spa	c	c	50	74	-	-	8.3	13.8
Lowestoft	b	b	52	77	-	-	9.5	8.0
Harwich & Dovercourt	bc	bc	54	78	-	-	10.5	9.5
Maldon	cb	bbc	47	78	-	-	9.6	9.8
Southend	b	bbcc	53	79	-	-	11.3	9.1
Ilfracombe	cb	bbc	55	66	-	-	9.8	13.3
Bude	cbc	bcb	55	65	-	-	9.8	10.9
Penzance	b	bz	52	66	-	-	10.0	7.5
Paignton	bzw	by	49	71	-	-	11.4	12.3
Torquay	bwz	bbz	51	71	-	-	10.0	12.2
Jersey	bcb	bcb	55	66	-	-	12.3	10.3
Weymouth	b	b	51	66	-	-	11.4	13.7
Bournemouth	b	b	49	71	-	-	11.5	13.0
Ventnor	bz	bz bc	52	63	-	-	11.9	12.1
Portsmouth (S'thsea)	b	b	53	71	-	-	11.4	11.4
Bognor	b	b	51	65	-	-	10.7	10.5
Littlehampton	bcb	bbc	49	64	-	-	11.1	11.1
Worthing	b	bbc	50	67	-	-	11.5	11.3
Brighton	b	b	54	66	-	-	10.5	11.0
Eastbourne‡	b	bbc	54	65	-	-	11.6	10.1
Hastings‡	b	bbc	52	69	-	-	11.6	10.0
Folkestone	bc	bcc	56	69	-	-	11.1	8.1
Dover	bc	bcc	55	65	-	-	11.6	8.2
Tunbridge Wells	b	b	49	75	-	-	12.2	10.4
Ramsgate	b	bbc	54	75	-	-	11.5	6.9
Margate	bc	bc	53	75	-	-	11.7	7.8
Deal	bbc	bbc	52	74	-	-	11.9	7.8

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.24339. Thursday, 12th July, 1928.

Observations at 18h. G.M.T. 11th

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	1006.3	+4	SW	3	c	58	85	8	4000	Cu	5	A St	8	•
Stornoway	1007.4	+2	SW	4	cd	61	85	7	4000	CuNb	9	-	9	•
Wick	1008.5	+2	SW	1	bc	65	85	8	2500	St.Cu	4	Ci St	6	•
Tiree	1012.1	+3	WSW	5	ojp	57	97	6	450	St	10	-	10	2
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1011.4	+1	SW'S	5	bc	72	75	8	4000	Cu	4	A.Cu	5	0
Malin Head	1014.2	+3	SW	4	c	62	92	7	1500	St	7	A St	9	•
Renfrew	1014.8	+2	SW'S	5	c	66	85	6	1500	St.Cu	10	-	10	2
Edinburgh (Inchkeith)	1013.4	0	SW	5	c	65	85	8	2500	St	10	-	10	•
Leuchars	1013.7	+2	SW	5	cr	67	85	7	1500	St.Cu	10	-	10	0
Eskdalemuir	1017.8	+2	SSW	6	odd	56	97	1	<150	St	10	-	10	2
Tynemouth	1018.4	+3	WSW	6	bc	72	65	7	1500	Cu	4	A.Cu	5	•
Blacksod Point	1014.9	+3	SSW	5	c	61	85	6	•	-	-	a St	10	•
Donaghadee	1017.6	+1	SW'W	3	c	65	85	8	4000	St.Cu	8	-	8	•
Birr Castle	1018.2	•	S	4	c	70	75	8	2500	St.Cu	9	-	9	•
Holyhead	1021.7	+1	S'W	5	od	59	97	6	450	St	10	-	10	1
Liverpool (Bidston)	1021.8	+1	WSW	3	b	70	65	9	4000	St.Cu	1	A Cu	1	•
Chester (Sealand)	1021.4	+2	SW	5	b	72	65	9	1500	Cu	2	Ci.Cu	2	0
Harrogate	1020.4	+1	SW'S	4	c	73	65	7	4000	St.Cu	9	-	9	•
Spurn Head	1021.5	0	W'S	4	bc	73	65	7	4000	Cu	4	A.Cu	5	•
Birmingham (Edgbaston)	1023.3	+1	WSW	3	b	74	65	8	4000	Cu	2	-	2	0
Cranwell	1022.1	-1	WSW	4	b	79	55	6	4000	Cu	1	Ci	2	0
Gorleston	1022.7	-1	WSW	3	b	80	45	7	-	-	0	Ci	2	•
Valentia (Cahirciveen)	1020.7	+1	S	4	od	59	97	5	220	St	10	-	10	5
Roches Point	1022.3	+1	SW	3	od	57	97	5	800	St	10	-	10	•
Pembroke (St. Ann's H.)	1024.7	+2	SW'S	4	o	58	97	6	800	St	10	-	10	•
Ross-on-Wye	1023.7	0	SSW	4	b	72	65	6	4000	Cu	1	-	1	0
Leafield	1023.9	0	SW	3	b	75	55	8	-	-	0	A.Cu	1	0
Winchester (Worthy Dn.)	1024.8	-1	S	3	b	76	55	8	-	-	0	Ci	1	0
S. Farnborough	1024.9	-1	WSW	4	b	79	35	8	-	-	0	Ci	1	0
London (Kew Obsy.)	1024.9	-1	SW	3	b	76	35	8	-	-	0	Ci	2	0
Croydon	1024.8	-1	SW'W	3	b	80	35	8	-	-	0	Ci	1	0
Shoeburyness	1024.9	0	WSW	3	b	79	55	8	-	-	0	Ci	1	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1024.1	-2	S'W	4	b	78	45	9	-	-	0	Ci	2	0
Lympne	1025.9	0	SSW	4	b	70	55	8	-	-	0	Ci	1	0
Jersey (St. Mary's)	1025.5	0	SSW	4	bc	64	75	8	4000	Cu	7	-	7	•
Falmouth (Pendennis)	1026.6	0	S'W	3	bc	63	85	8	4000	Cu	3	-	3	•
Plymouth (Cattewater)	1026.3	0	SSW	3	b	64	75	8	4000	Cu	1	-	1	0
Portland Bill	1026.4	0	SW	3	b	62	85	6	2500	St.Cu	1	-	2	•
Southampton (Calshot)	1026.2	0	SW'S	4	b-	73	45	8	-	-	0	Ci	1	0
Dungeness	1026.4	0	SW	2	bc-	65	75	8	-	-	0	Ci St	5	•
Guernsey (Fort George)	1026.7	-1	-	0	b	66	65	7	-	-	0	Ci	2	•

Observations at 18h. G.M.T. 11h

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	1008.4	+1	SW	3	cjp	57	92	8	4000	CuNb	5	A St	10	•
Stornoway	1009.1	+2	SW	5	c	59	85	7	4000	CuNb	9	-	9	4
Wick	1010.5	+1	SW	2	c	66	75	8	1500	CuNb	6	Ci St	8	0
Tiree	1013.3	0	SW'W	6	bcjp	58	92	7	1500	CuNb	3	A.Cu	5	5
Nairn	1011.4	•	WSW	4	bc-	68	75	8	-	-	0	A Cu	3	•
Aberdeen	1012.7	+2	SW'S	4	bc	72	65	8	4000	Cu	1	A.Cu	3	0
Malin Head	1015.3	+1	W	4	bc/r	61	92	8	4000	Cu	5	A.Cu	6	3
Renfrew	1015.8	0	SW	4	bc-	65	85	7	4000	St.Cu	3	A.Cu	4	•
Edinburgh (Inchkeith)	1014.7	+1	SW	4	cjp	62	92	8	2500	CuNb	10	-	10	2
Leuchars	1014.8	+2	SW	4	c	68	85	8	1500	CuNb	9	A.Cu	9	•
Eskdalemuir	1019.1	+2	SSW	5	ffo	54	97	2	<150	St	10	-	10	•
Tynemouth	1018.4	+2	SW	4	bc-	67	75	7	1500	Cu	3	Ci	4	1
Blacksod Point	1016.9	+2	W	4	c	61	85	6	•	St.Cu	8		8	6
Donaghadee	1018.4	+2	SW'W	2	c/p	64	85	8	2500	St.Cu	8	-	8	1
Birr Castle	1018.8	•	S	3	c	64	85	7	2500	St.Cu	9	-	9	•
Holyhead	1021.6	0	SSW	5	o	57	97	6	220	St	10	-	10	4
Liverpool (Bidston)	1022.1	+1	SW	2	b	71	55	9	4000	St.Cu	1	Ci St	2	•
Chester (Sealand)	1021.8	+1	SSW	3	bc	70	65	9	4000	Cu	1	Ci.Cu	3	•
Harrogate	1020.8	0	SW	4	b	72	55	7	4000	Cu	1	Ci.Cu	1	•
Spurn Head	1021.1	0	W'S	4	bc-	74	45	7	-	-	0	A.St	3	1
Birmingham (Edgbaston)	1023.0	0	W	3	b	75	55	8	4000	Cu	2	-	2	•
Cranwell	1021.9	0	WSW	4	b	78	55	6	-	-	0	-	0	•
Gorleston	1021.9	0	SW	3	b	83	35	7	-	-	0	-	0	0
Valentia (Cahirciveen)	1020.9	0	S'W	4	o/d	59	97	6	450	St	10	-	10	3
Roches Point	1022.6	0	SW	3	fo-	58	97	4	800	St	10	-	10	4
Pembroke (St. Ann's H.)	1024.7	0	SW'W	4	o	57	97	6	800	St	10	-	10	4
Ross-on-Wye	1022.9	0	W	3	b	75	55	8	-	-	0	Ci.Cu	1	•
Leafield	1023.5	-1	WSW	4	b-	74	45	9	-	-	0	A.Cu	1	•
Winchester (Worthy Dn.)	1024.3	-1	S	3	b	74	45	8	-	-	0	-	0	•
S. Farnborough	1024.3	-1	SW	2	b	75	45	8	-	-	0	Ci	1	•
London (Kew Obsy.)	1023.9	-1	SW	3	b	80	45	8	-	-	0	Ci	1	•
Croydon	1024.0	-1	SW	3	b	76	35	9	-	-	0	Ci	1	•
Shoeburyness	1023.9	-1	SSW	2	b	76	75	7	-	-	0	-	0	•
Clacton-on-Sea	1023.6	0	SSW	3	b	70	75	7	-	-	0	-	0	•
Felixstowe	1023.5	-1	S'W	3	b	70	75	8	-	-	0	-	0	1
Lympne	1025.1	0	SSW	2	b	61	55	8	-	-	0	Ci	1	•
Jersey (St. Mary's)	1025.2	0	SW'W	3	b	62	75	7	4000	Cu	1	-	1	1
Falmouth (Pendennis)	1025.9	-1	WSW	2	b-	64	75	8	4000	Cu	2	-	2	0
Plymouth (Cattewater)	1025.2	-1	SSW	2	b	61	92	8	-	-	0	-	0	0
Portland Bill	1025.3	-1	SSW	2	b/z	59	92	6	800	St	1	-	1	0
Southampton (Calshot)	1024.8	-1	SW'W	4	b	71	45	8	-	-	0	Ci	1	0
Dungeness	1025.4	-1	SW	2	b-	65	65	8	-	-	0	Ci St	1	2
Guernsey (Fort George)	1025.8	-2	NNW	1	b-	63	75	8	-	-	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. (24 hours ended 9h.)	Weather. Afternoon. (24 hours ended 9h.)	Weather. Night. (24 hours ended 9h.)	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	bcby	byb	bw	81	53	42	–	–	15.1	•	•	7
Croydon	244	bcy5	bcy	byb	80	52	45	–	–	14.4	•	•	7
Greenwich (Royal Obsy.)	149	cby	by	bmzy	86	52	37	–	–	14.3	31	48	6
City (Bunhill Row)	80				•	•	•	•	•	14.1	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	81	56	43	–	–	14.3	37	48	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	14.5	•	•	•
Camden Square	110	b	b	•	86	53	-	–	–	•	•	58	•
Kensington Palace	80	b	b	•	83	55	48	–	–	•	(At 18h.) 52	51	•
Hampstead Observatory	450	•	•	•	82	56	43	–	–	14.4	•	55	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
0.6	7h 12th	<0.3	20h 11th

Kew Observatory Max.	Time.	Min.	Time.
0.1	6h 12th	<0.1	14h 11th

Pole Star Record at Greenwich Obsy.

Exposure from 11th 21h 30m. to 12th 2h 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.0	5.0	100
δ Ursæ Minoris	5.0	5.0	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 15h. and 18h. reports (Hoar frost in 11h. 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 July, 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.45	11.58	20.11
	3.47	11.59	20.10
Greenwich	3.58	12.05	20.12
	3.59	12.06	20.11
Wick	3.26	12.18	21.08
	3.28	12.18	21.07
Valentia	4.37	12.46	20.55
	4.38	12.47	20.54

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

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

§ 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.	

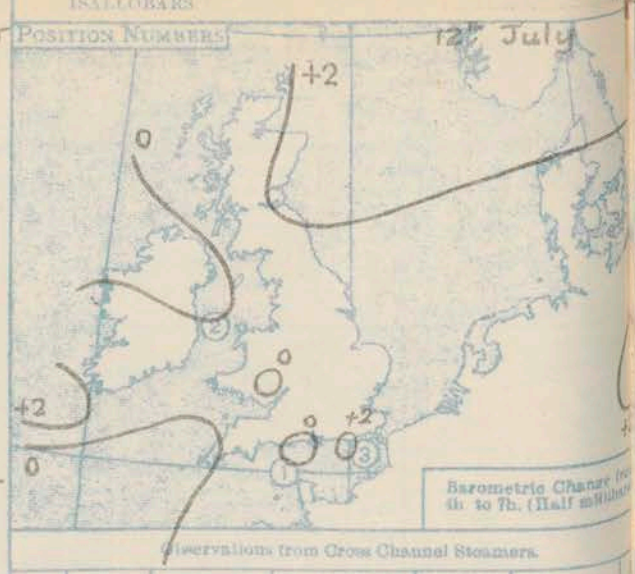
† Tr. or s = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

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	or.c	c	c	c	60	50	.	Tr.	<8.00	–	–	4.1
Stornoway	r-d	c	o	c	64	53	.	Tr.	<8.00	–	–	3.4
Wick	bbc	cpr.c	bbc	c	66	54	.	0.1	16.30	–	–	.
Tiree	d m.o	d.oc	co	cbc	59	53	50	1	<8.00	–	–	3.9
Nairn	cbcjb	bcq	bcqw	qbc	72	55	.	–	–	–	–	8.0
Aberdeen	bbc	bcq	bc	c	74	57	52	–	–	–	–	11.9
Malin Head	ce	cir	bccr.	cr.	64	53	.	2	13.30	0.6	22.00	1.7
Renfrew	cqdoqm	cqdc	bcc	c	66	56	54	Tr.	11.00	Tr.	6.30	1.2
Edinburgh (Inchkeith)	c	p	bce	c	68	56	54	0.1	17.30	–	–	1.5
Leuchars	cir.	r.c	c	c	70	58	55	Tr.	9.00	–	–	3.0
Eskdalemuir	dmofode	oid.FoF	omoid.F	oid.Fe	58	53	54	2	<8.00	1	<21.00	0.0
Tynemouth	cbcq	bcq	bcq	bc	74	58	52	–	–	–	–	.
Blacksod Point ...	c	poc	c	c	61	55	.	0.1	.	–	.	.
Donaghadee	c	bcpr.	p.rbc	bcc	69	56	.	0.2	16.30	0.3	<21.00	.
Birr Castle	c	c	cid.	oDD	73	57	53	–	–	4	24.00	4.7
Holyhead	mmam.	id m.	m me	memem	61	55	54	Tr.	12.30	–	–	0.1
Liverpool (Bidston) ...	bv	b bv	vy bv	bbccw	73	57	51	–	–	–	–	14.3
Chester (Sealand) ...	bcbv	bcvy	bcb	bbc	75	56	50	–	–	–	–	13.4
Harrogate	c	cb	b	bbc	75	57	52	–	–	–	–	8.2
Spurn Head	bc	bcy	b	bc	74	59	.	–	–	–	–	14.5
Birmingham (Edgbaston)	bcb	b	b	p	78	55	50	–	–	–	–	13.7
Cranwell	bc	bbc	bbc	bbc	81	59	55	–	–	–	–	14.2
Gorleston	bcby	by	byb	b	84	60	56	–	–	–	–	14.7
Valentia (Cahirciveen)	oid.	oird	oid.r	or	60	56	56	0.5	<8.00	6	<21.00	0.0
Roches Point	off df df	oid.	aid mo	~~off ff~~	59	54	.	Tr.	<8.00	2	24.00	.
Pembroke (St. Ann's H.)	oFe	om.	offe	offed d	59	53	.	–	–	1	2.30	0.0
Ross-on-Wye	bcbz.	bby	b	bmob	77	48	40	–	–	–	–	14.9
Leafield	b	by	b	b	77	52	42	–	–	–	–	14.2
Winchester (Worthy Dn.)	bcy	by	bybm.	bm. FF	78.	43	35	–	–	–	–	14.4
S. Farnborough ...	bc by	by	byb.	bw	81	46	33	–	–	–	–	14.8
London (Kew Obsy.) ...	bc by	by	b	bw	81	53	42	–	–	–	–	15.1
Croydon	bcyb	byv	byb	b	80	52	43	–	–	–	–	14.4
Shoeburyness	bcby	b	b	bm.	82	51	40	–	–	–	–	14.0
Clacton-on-Sea ...	bcy	bcyb	b	bzw	79	58	52	–	–	–	–	14.8
Felixstowe	bcybv	bybb	b	b	80	59	52	–	–	–	–	15.1
Lympne	bcby	bcyby	b	bv	72	53	39	–	–	–	–	15.1
Scilly (St. Mary's) ...	cbc	bcb	bifbsc	c	64	53	.	–	–	–	–	9.6
Falmouth (Pendennis)	cbc	bcbbcb	bpF	pFobc	66	53	.	–	–	–	–	12.4
Plymouth (Cattewater)	bcb	b	b	bwofe	65	51	46	–	–	0.1	–	12.5
Portland Bill	bcbz.	boafbcnz	bbcifofe	oFboF	63	~~62~~ 54	.	–	–	–	–	.
Southampton (Calshot)	bcby	bf	byw	bwFF	75	50	36	–	–	Tr	–	14.8
Dungeness	bbc	bcb	bv	bv	67	52	.	–	–	–	–	.
Guernsey	b	b	b	bv	68	59	.	–	–	–	–	14.1

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



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	11th 10h	Hibernia	SW's	6	c	56	53
1	11th 12h	St. Helier	SW	1	fo~	61	59
3	12th 1h	Dieppe	[illegible]	[illegible]	bc	62	60

GENERAL INTERESTS.

A belt of high pressure extends from beyond the Azores across France to Central Europe. Over most of England mainly fine and very warm weather will continue while in the northern and western parts of the British Isles there will be cloudy periods with occasional local drizzle.

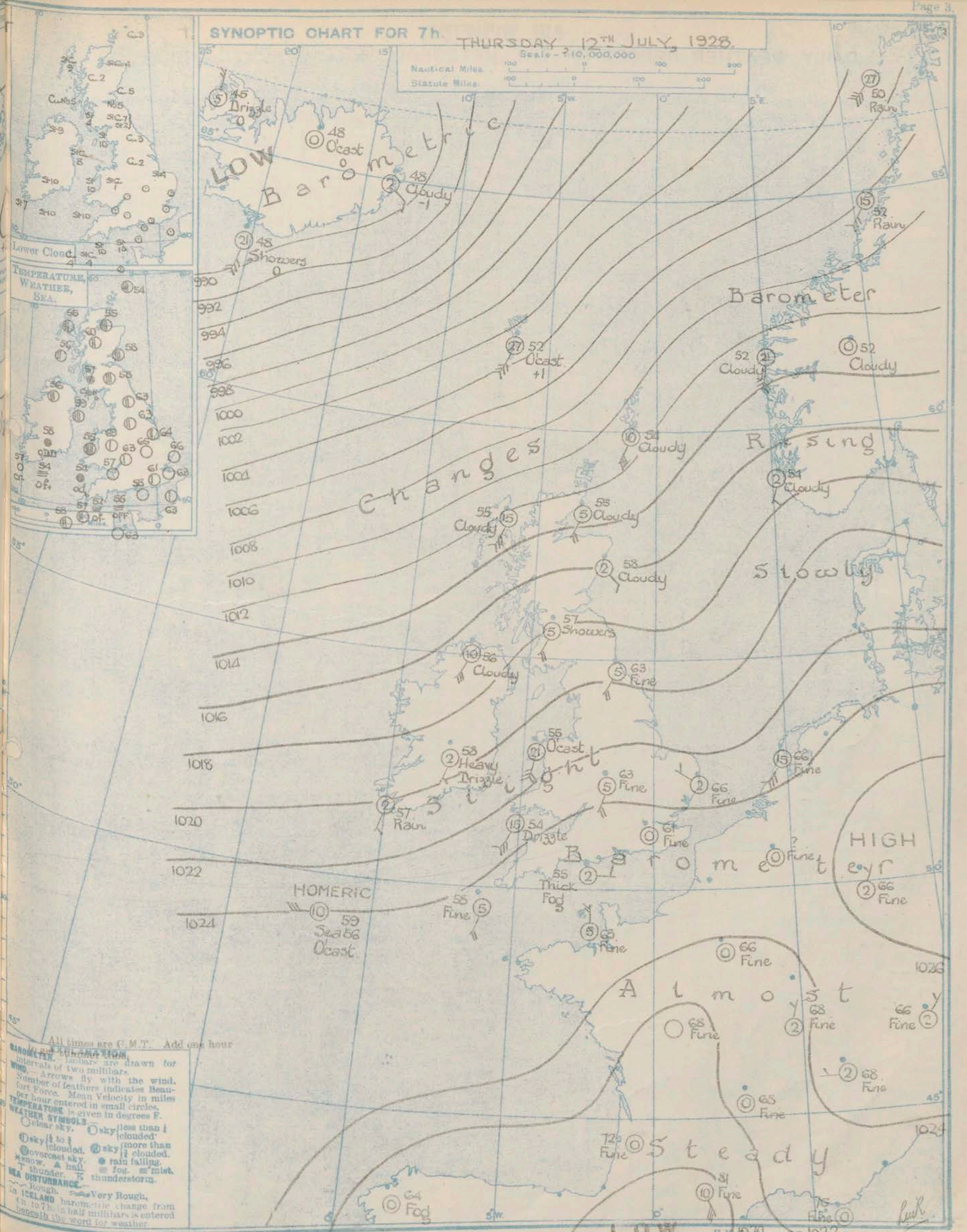
Forecasts for the 24 hours commencing 12 Noon G.M.T.

Thursday, 12th July, 1928.

Districts.	Forecasts.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Light variable or southwesterly winds; mainly sunny and very warm.	Similar.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Light to moderate southwesterly winds; bright and cloudy periods; local drizzle and mist, particularly in coastal districts; moderate temperature or rather warm.	
10. N.E. England 11. S.E. Scotland	As 1 - 4	
12. S.W. Scotland & Isle of Man	Light to moderate southwesterly winds; bright periods; perhaps occasional local showers or drizzle; moderate temperature to rather warm.	
13 (A. W. Scotland, B. NW Scotland) 14. Mid-Scotland 15. N.E. Scotland	Moderate southwesterly winds; cloudy periods; occasional local rain or drizzle; some coastal mist; moderate temperature.	
16. Orkneys and Shetlands	As 11.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 12 - 13B.	

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

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



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Thursday, 12th July 1928. No. 194.

STATIONS.	Height above M.S.L. in feet.	Observations at 1h. 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.§ 0-9	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. 12th: 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	54	1009.0	+1	SW	3	c	56	85	8	4000	Cu	5	ACu	9	1011.8	+2	SW	3	c	54	85	8	4000	Cu	3	ASt	10	
Stornoway	30	1011.9	+3	SW	4	c	•	•	6	•	•	•	•	8	1012.0	0	SW	4	c	55	85	7	4000	StCu	9	-	9	3
Wick	81	1012.8	+1	SW	2	c	55	92	8	1500	CuNb	6	CiSt	8	1013.7	+1	SW	2	c	55	92	8	2500	StCu	4	CiSt	8	
Tiree	35	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.6	0	WSW	5	bc	56	85	7	1500	CuNb	5	-	5	3
Nairn	52	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.5		SW	4	bc	60	65	8	4000	Cu	7	ACu	4	
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.5	+2	SE	1	c	58	85	8	1500	Cu	5	ACu	9	0
Malin Head	84	1017.4	+1	W	4	cr	55	97	7	4000	CuNb	9	-	9	1017.1	0	SW	3	cr	56	97	7	800	St	9	ACu	9	1
Renfrew	80	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.1	+1	SW	2	cbf	57	92	7	800	St	4	ASt	10	
Edinburgh (Inchkeith)	100	1016.6	+2	SW	3	p	59	85	8	1500	St	10	-	10	1017.7	+2	SW	3	c	58	85	8	1500	StCu	9	-	9	1
Leuchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.5	+1	SW	3	c	60	85	7	1500	Nb	5	ACu	9	
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.2	0	SSW	4	Fo	54	97	1	<150	St	10	-	10	
Tynemouth	87	1020.4	+1	SW	3	bc	60	85	7	1500	Cu	3	-	3	1019.9	+1	SW	2	bc	63	75	7	1500	Cu	3	ACu	5	0
Blacksod Point ...	18	1017.8	+1	SW	4	c	56	92	7	•	CuNb	8	-	8	1017.2	0	SSW	4	bc	57	85	8	•	Cu	6	-	6	4
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.3	-1	WSW	2	c*	59	92	8	4000	StCu	8	-	8	1
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.3	•	SW	1	oDD	58	97	5	450	St	10	-	10	
Holyhead	26	1021.7	0	SSW	5	mmo	55	97	4	220	St	10	-	10	1021.4	0	SSW	5	o	55	97	6	220	St	10	-	10	4
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.2	0	SSW	1	b-	63	85	8	5700	StCu	<1	CiSt	1	
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.0	0	SSW	3	bo	63	75	7	7200	StCu	7	Ci	7	
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1021.7	0	SW	3	bc	63	85	7	4000	Cu	2	ACu	3	
Spurn Head	29	1021.6	0	WS	2	b	62	85	7	-	-	0	-	0	1022.4	0	WS	2	bc	64	85	6	4000	St	4	-	4	0
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	1023.7	0	SW	2	b	63	75	8	-	-	0	ACu	1	
Cranwell	256	1023.0	+1	W	2	b-	61	85	6	-	-	0	-	0	1023.4	+1	W	3	b	65	75	7	-	-	0	-	0	
Gorleston	14	1022.9	0	WSW	2	b	66	75	7	-	-	0	-	0	1022.9	0	NW	1	b	66	75	6	-	-	0	-	0	0
Valentia (Cahirciveen)P	30	1021.2	0	SW	4	oD-	52	97	4	-	St	10	-	10	1020.9	+2	SWS	1	cr	57	97	7	800	St	7	ASt	10	1
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.1	0	SW	2	fo+	54	97	3	220	St	10	-	10	0
Pembroke (St. Ann's H.)	160	1023.9	0	SW	4	Ff	55	97	1	220	St	10	-	10	1022.8	-1	SW	4	od	54	97	5	800	St	10	-	10	1
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1023.3	0	WSW	2	b	57	85	6	-	-	0	-	0	
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1023.8	0	SSW	1	b	60	85	8	-	-	0	-	0	
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.5	0	-	0	bc-	53	97	3	1500	St	3	-	3	
S. Farnborough ...	250	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.6	+1	-	0	b	58	85	8	-	-	0	-	0	
London (Kew Obsy.) ...	18	•	•	•	•	•	59	•	•	•	•	•	•	•	1025.0	+2	-	0	b	61	75	6	-	-	0	CiSt	1	
Croydon	244	1024.7	0	SSW	3	b	56	85	7	-	-	0	-	0	1024.7	+1	NW	2	b+	64	75	7	-	-	0	Ci	1	
Shoeburyness	21	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.8	+1	-	0	b	66	85	6	-	-	0	CiCu	1	
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.0	+1	W	3	b	63	75	6	-	-	0	-	0	1
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.0	0	W	1	b	65	85	6	-	-	0	-	0	0
Lympne	350	1024.8	0	S	2	b	54	75	8	-	-	0	-	0	1024.3	0	NW	2	bv	64	65	9	-	-	0	Ci	1	
Scilly (St. Mary's) ...	163	1024.9	-1	SWS	2	c+	54	97	7	4000	St	9	-	9	1024.2	-1	SSW	2	bc-	58	85	8	4000	Cu	4	-	4	1
Falmouth (Pendennis)	200	1025.0	0	WNW	1	Fo+	54	97	0	<150	St	10	-	10	1024.8	0	-	0	bc-	57	92	7	4000	StC	4	-	4	0
Plymouth (Cattewater)	52	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.7	0	NNW	3	fo-	52	97	7	<150	St	10	-	10	0
Portland Bill	52	1024.5	0	E	1	Fo+	54	97	1	220	St	10	-	10	1023.6	0	E	1	Fo	55	97	1	220	St	10	-	10	0
Southampton (Calshot)	10	1024.9	-1	WSW	1	b	54	85	7	-	-	0	-	0	1024.7	+1	-	0	Ffb	55	92	1	-	-	0	-	0	0
Dungeness	20	1025.2	-1	SW	1	bv	59	85	9	-	-	0	-	0	1024.6	+1	NNE	1	vb	63	75	9	-	-	0	Ci	1	0
Guernsey (Fort George) P	295	1024.6	-1	-	0	vb-	54	92	9	-	-	0	-	0	1024.6	0	N	2	bv	63	65	9	-	-	0	-	0	0

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-10th to 9h.-11th	Temperature. Max. 9h.-17h. 11th	Rainfall.† Night 17h.-9h. 10th-11th	Rainfall.† Day 9h.-17h. 11th	Sunshine. Sunrise to 17h. 11th	Sunshine. Sunrise to Sunset. 10th
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	bc	bcc	53	72	Trace	-	9.5	0.0
Douglas (I. o. M.) ...	om	om	54	58	6	-	0.0	0.5
Llandudno ...	bc	bcb	60	70	-	-	9.7	4.3
Colwyn Bay ...	b	b	60	68	-	-	12.0	2.5
Rhyl	bbc	bbc	51	68	-	-	12.2	3.4
Wallasey	b	b	59	75	-	-	11.8	0.8
Southport	b	b	*59	72	-	-	11.0	0.6
Blackpool	cbc	b	58	67	0.4	-	7.2	0.2
Ilkley	cbcb	b	55	77	-	-	8.1	0.7
Cleethorpes	b	b	57	84	-	-	11.6	2.3
Skegness	cbcb	b	56	83	-	-	11.7	7.6
Aberystwyth ...	c	bbc	57	66	-	-	4.4	3.9
Bath	b	b	54	79	-	-	11.4	9.7
Cheltenham ...	b	b	55	77	-	-	11.5	9.7
Leamington Spa ...	b	b	55	78	-	-	11.0	8.4
Lowestoft	b	b	58	82	-	-	11.5	9.5
Harwich & Dovercourt	bc	bc	57	82	-	-	12.5	10.5
Maldon	b	b	52	83	-	-	12.2	9.9
Southend	b	b	56	80	-	-	12.0	12.4

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	b	b	56	63	-	-	10.8	10.9
Bude	bcb	b	51	64	-	-	10.0	12.0
Penzance	b	bz	56	67	-	-	9.4	12.5
Paignton	bw	by	54	74	-	-	11.9	13.5
Torquay	bw	by	55	74	-	-	12.1	13.1
Jersey	b	b	52	76	-	-	11.8	14.7
Weymouth	b	b	56	68	-	-	11.6	12.7
Bournemouth ...	b	b	54	72	-	-	12.0	11.7
Ventnor ...	bz	bz	54	63	-	-	11.6	12.8
Portsmouth (S'thsea)	b	bv	56	76	-	-	11.7	11.7
Bognor	b	b	54	66	-	-	11.6	10.7
Littlehampton ...	bgb	b	54	65	-	-	11.0	11.5
Worthing	b	b	56	69	-	-	12.2	11.3
Brighton	b	b	58	68	-	-	11.1	11.1
Eastbourne‡	b	bvy	56	70	-	-	12.0	11.9
Hastings‡	b	b	55	68	-	-	12.4	11.9
Folkestone	bcb	bv	54	70	-	-	11.3	11.1
Dover	bcb	by	57	66	-	-	12.2	11.7
Tunbridge Wells ...	b	b	53	77	-	-	12.3	12.5
Ramsgate	b	b	56	75	-	-	12.0	11.6
Margate	bcb	b	56	80	-	-	11.9	12.1
Deal	b	b	55	76	-	-	12.2	12.2

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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. § 21h.-9h.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24340 Friday. 13th July 1928.

Observations at 13h. G.M.T. 12K

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	1012.7	0	SW	3	c	59	75	8	4000	Cu	3	A.Cu	8	•
Stornoway	1011.4	+1	SSW	5	c	57	85	7	4000	St.Cu	5	-	9	•
Wick	1013.5	-1	SSW	3	c	58	75	8	4000	St.Cu	5	A.Cu	8	•
Tiree	1015.8	0	WSW	5	c+	57	85	8	1500	St	9	-	9	0
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1015.8	-2	SW'S	4	c	67	65	8	2500	Cu	2	A.Cu	9	0
Malin Head	1016.9	0	W	3	c	61	85	8	4000	St.Cu	5	Ci.St	8	•
Renfrew	1017.6	-1	SW'S	4	c	63	85	7	1500	Cu	7	A.Cu	9	1
Edinburgh (Inchkeith)	1017.7	0	WSW	3	ojp	59	85	8	1500	St	10	-	10	•
Leuchars	1017.5	0	SW	4	cr₀	63	85	8	1500	St.Cu	6	A.St	10	0
Eskdalemuir	1019.2	-1	SSW	5	odd₀	57	92	6	800	Nb	10	-	10	2
Tynemouth	1019.0	-1	SW	5	bc	72	55	7	1500	Cu	4	-	4	•
Blacksod Point	1018.0	+1	SSW	4	c	60	75	8	*	Cu	8	-	8	•
Donaghadee	1019.1	+1	SW	2	bc-	63	85	8	4000	St.Cu	5	A.St	7	•
Birr Castle	1019.5	*	SW	2	c-	63	85	7	1500	Cu	8	-	8	•
Holyhead	1021.6	0	SSW	5	o	58	92	7	450	St	10	-	10	1
Liverpool (Bidston)	1021.5	0	NW	1	b	65	75	9	4000	St.Cu	1	Ci.Cu	2	•
Chester (Sealand)	1020.8	-1	NW'W	4	c+	70	75	8	5700	Cu	7	A.Cu	8	0
Harrogate	1020.3	0	SW'S	4	b	76	45	7	4000	Cu	2	-	2	•
Spurn Head	1021.4	-1	SE'S	3	bc	66	75	6	5700	St.Cu	3	-	3	•
Birmingham (Edgbaston)	1022.1	-1	SSW	3	b	75	45	8	-	-	0	-	0	0
Cranwell	1021.6	-2	SW	3	b	81	35	8	-	-	0	-	0	0
Gorleston	1022.5	-1	SSE	3	b	70	85	6	-	-	0	-	0	•
Valentia (Cahirciveen)	1022.5	+2	SW'W	3	bc⊕	62	75	8	2500	St.Cu	3	Ci.St	7	1
Roches Point	1021.6	0	SW	2	ffo	56	97	3	220	St	10	-	10	•
Pembroke (St. Ann's H.)	1023.8	0	SSW	3	c	58	85	7	1500	St.Cu	10	-	10	•
Ross-on-Wye	1024.8	-1	SW'W	3	b	75	45	7	-	-	0	Ci.Cu	1	0
Leafield	1022.4	-1	SW	3	b	75	35	9	-	-	0	-	0	0
Winchester (Worthy Dn.)	1022.5	-1	S	3	b	79	35	8	-	-	0	-	0	0
S. Farnborough	1022.8	-2	SW	3	b	81	25	8	-	-	0	-	0	0
London (Kew Obsy.)	1022.8	-2	SW	2	b	77	45	8	-	-	0	-	0	0
Croydon	1022.7	-2	SW'W	3	b	81	35	8	-	-	0	-	0	0
Shoeburyness	1022.9	-2	SSE	2	b	79	65	7	-	-	0	-	0	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Felixstowe	1022.8	-2	S'E	4	b	74	55	9	-	-	0	-	0	0
Lympne	1023.4	-1	SW	3	b	75	45	9	-	-	0	-	0	0
Scilly (St. Mary's)	1024.0	0	WSW	3	b	63	75	8	4000	Cu	1	-	1	•
Falmouth (Pendennis)	1024.7	0	SW	1	FFc	58	92	0	<150	St	8	-	8	•
Plymouth (Cattewater)	1024.2	0	SW	3	b/F	61	85	8	<150	St	1	-	1	0
Portland Bill	1023.8	0	S	1	b	63	35	6	-	-	0	-	0	•
Southampton (Calshot)	1023.2	-1	SW	3	b	82	35	8	-	-	0	-	0	0
Dungeness	1024.3	-1	S	1	b	71	65	8	-	-	0	-	0	•
Guernsey (Fort George)	1023.6	-1	NNE	1	b	72	65	9	-	-	0	-	0	•

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

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	1011.4	-2	SW	2	c	58	75	8	5700	St.Cu	4	A.Cu	8	•
Stornoway	1011.0	0	SSW	5	cdd₀	55	97	7	4000	Cu.Nb	10	-	10	4
Wick	1012.6	-1	SSW	2	c	57	75	8	~~1500~~ 3000'	St.Cu	6	A.St	10	0
Tiree	1016.2	0	WSW	3	c	56	92	8	1500	St	9	-	9	3
Nairn	1014.5	*	W	3	bc+	62	65	8	4000	Cu	7	-	7	•
Aberdeen	1015.3	-1	SW	3	c-	65	75	8	2500	Cu	1	A.Cu	8	0
Malin Head	1017.1	+1	SW	3	c	59	85	8	4000	Cu	9	-	9	0
Renfrew	1017.6	0	SW	4	c/p₀	60	92	7	800	St	10	-	10	•
Edinburgh (Inchkeith)	1017.2	-1	W	1	c	61	85	8	1500	St	9	-	9	1
Leuchars	1016.8	-1	SW	4	bc-	65	75	8	4000	St.Cu	2	A.Cu	4	•
Eskdalemuir	1018.8	-1	SSW	4	odd₀	55	97	6	450	Nb	10	-	10	•
Tynemouth	1018.7	0	SW	3	bc	68	75	7	1500	Cu	4	A.Cu	6	0
Blacksod Point	1018.0	0	SW	4	c	58	97	7	*	St.Cu	10	-	10	5
Donaghadee	1018.8	-1	SW	1	bc-	64	88	8	4000	St.Cu	4	A.Cu	6	1
Birr Castle	1019.9	*	SW	2	c	63	65	8	2500	Cu	5	A.Cu	8	•
Holyhead	1020.8	-1	SSW	4	o	57	97	6	220	St	10	-	10	4
Liverpool (Bidston)	1020.8	0	WSW	3	bc+	67	65	9	4000	St.Cu	1	A.Cu	5	•
Chester (Sealand)	1020.5	0	SW'S	3	bc	71	55	9	4000	Cu	3	A.Cu	6	•
Harrogate	1019.8	-1	SW	4	bc	71	65	8	-	-	0	Ci.Cu	3	•
Spurn Head	1019.4	-1	SW	3	bc	76	45	6	-	-	0	A.St	4	0
Birmingham (Edgbaston)	1020.9	-1	WSW	3	b	77	35	8	-	-	0	-	0	•
Cranwell	1021.0	0	SW	3	b	78	35	8	-	-	0	-	0	•
Gorleston	1020.7	-2	S'E	4	b	68	75	6	-	-	0	-	0	1
Valentia (Cahirciveen)	1022.8	+1	WSW	3	bc	61	85	8	1500	St.Cu	4	A.Cu	7	0
Roches Point	1022.1	+1	W	2	c	60	85	9	1500	St.Cu	4	Ci	8	4
Pembroke (St. Ann's H.)	1023.0	-1	SSW	3	odd₀	58	97	2	450	St	10	-	10	1
Ross-on-Wye	1021.3	-1	W'S	3	b	74	35	8	-	-	0	Ci.Cu	1	•
Leafield	1021.9	-1	WSW	4	b	72	35	9	-	-	0	A.Cu	1	•
Winchester (Worthy Dn.)	1021.9	-1	S	3	b	76	45	8	-	-	0	-	0	•
S. Farnborough	1021.8	-1	SSW	3	b	78	35	8	-	-	0	-	0	•
London (Kew Obsy.)	1021.5	-1	SW	3	b	83	35	8	-	-	0	-	0	•
Croydon	1021.5	-1	SW	3	b	78	35	8	-	-	0	Ci	1	•
Shoeburyness	1021.6	-2	-	0	b	74	85	6	-	-	0	-	0	•
Clacton-on-Sea	1021.3	-2	SE	4	b	68	75	7	-	-	0	-	0	2
Felixstowe	1021.7	-1	S'E	3	b	70	65	8	-	-	0	-	0	0
Lympne	1022.5	0	-	0	b	72	55	8	-	-	0	Ci	1	•
Scilly (St. Mary's)	1024.1	0	W	2	c+	61	85	8	4000	St.Cu	8	-	8	1
Falmouth (Pendennis)	1024.5	-1	NW	3	bc	63	85	8	4000	Cu	3	-	3	0
Plymouth (Cattewater)	1023.2	-1	SW	1	b	65	75	8	4000	Cu	1	-	1	0
Portland Bill	1022.8	-1	SW	1	b	64	75	8	-	-	0	-	0	0
Southampton (Calshot)	1022.3	-1	SW'W	4	b	75	45	8	-	-	0	Ci	1	0
Dungeness	1022.7	-3	SW	1	b	69	65	9	-	-	0	Ci	1	0
Guernsey (Fort George)	1023.6	0	NNW	1	b	67	65	9	-	-	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. (24 Hours ended 9h.)	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	by	by	bygm	83	56	43	-	-	14.9	*	*	6
Croydon	244	by	by	booo	83	52	48	-	-	15.3	*	*	5
Greenwich (Royal Obsy.)	149	by	by	bmz4	87	53	37	-	-	15.3	33	56	5
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	14.8	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	85	57	48	-	-	14.8	33	65	*
Regent's Pk. (Botanic Gdns.)	166	*	*	*	*	*	*	*	*	14.3	*	*	*
Camden Square	110	b	b	*	88	58	-	-	-	*	*	64	*
Kensington Palace	80	b	b	*	86	56	46	-	-	*	At 18h 30	57	*
Hampstead Observatory	450	*	*	*	84	55	42	-	-	14.3	*	65	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.
0.6	9h12th	<0.3	16h12th

Kew Observatory

Max.	Time.	Min.	Time.
0.1	22h12	<0.1	13h12th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 12th 21 h 30 m. to 13th 2 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.0	5.0	100
δ Ursæ Minoris	5.0	5.0	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 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.

13, 14 July 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.47 / 3.48	11.59 / 11.59	20.10 / 20.9
Greenwich	3.59 / 4.1	12.6 / 12.6	20.11 / 20.10
Wick	3.28 / 3.29	12.16 / 12.16	21.7 / 21.6
Valentia	4.38 / 4.39	12.47 / 12.47	20.54 / 20.53

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—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 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_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=good swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=good swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

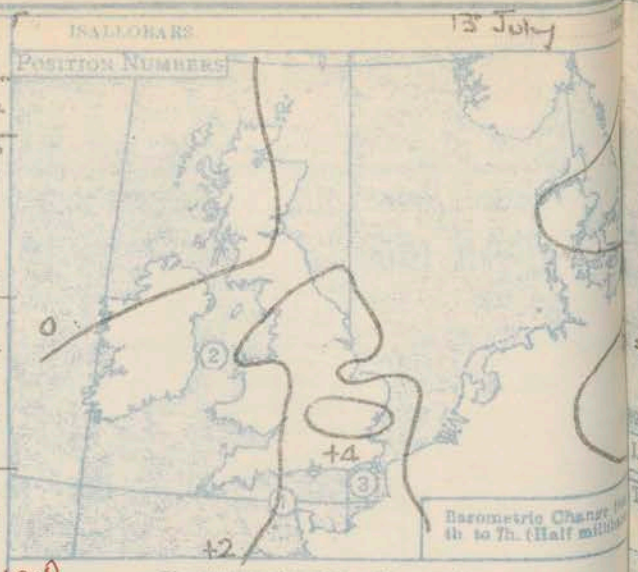
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ „
6. Moderate.	6¼ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

† 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.-18h. 13th	18h.-12h. 12th	18h. 12th to 18h. 13th	18h.-7h. 13th	TEMPERATURE. MAX. Day 7h.-18h.	MIN. Night 18h.-7h.	MIN on Grass	RAINFALL.† Day 7h.-18h. mm.	began.	Night 18h.-7h. mm.	began.	SUN. 12 Hours.
Lerwick	c	c	cbc	bc	60	51	-	-	-	-	-	2.3
Stornoway	c	r-d	o	r-d	~~58~~	52	-	0.3	16.30	2	3.30	1.3
Wick	c	c	c	c	58	52	-	-	-	-	-	-
Tiree	bcc	c	d o o	pd o o	59	54	53	-	-	1	<21.00	1.4
Nairn	bc	bc	q bc	bc	67	58	-	-	-	-	-	7.1
Aberdeen	c	c	c	c	68	57	55	-	-	-	-	0.6
Malin Head	⊕ c	c	cd o c	ce	63	54	-	-	-	Tr.	<21.00	1.4
Renfrew	c o c c q c	c	c	c	64	55	53	Tr.	<8.00	-	-	0.1
Edinburgh (Inchkeith)	b	b	c	c	64	55	52	Tr.	9.00	-	-	2.4
Leuchars	c	b o c b c	bc	bcc	67	54	52	Tr.	12.30	-	-	3.1
Eskdalemuir	o f e o d d m	o d d m	oo o f e	o m e c	57	51	51	5	<8.00	0.3	<21.00	0.0
Tynemouth	b c o y	b c q u	b c c o	o b c	74	58	53	-	-	-	-	-
Blacksod Point	c	b o c	c	b o c b	61	57	-	Tr.	-	1	-	-
Donaghadee	pr bc	ir o bc	c b c	b c c	66	54	-	0.6	9.00	-	-	-
Birr Castle	o D D	c	c	c	67	54	47	0.1	<8.00	-	-	2.5
Holyhead	b m o	o o p r m	f e f e	i e b e n r	60	54	51	~~Tr.~~ Trace	16.30	Tr.	-	0.2
Liverpool (Bidston)	b c c v b	b v	v b c c	o b c b w	72	56	52	-	-	-	-	~~0.0~~ 10.0
Chester (Sealand)	bc	b c v y	bc	bc	77	56	48	-	-	-	-	6.6
Harrogate	b	b b c	b c c	c b c	76	54	51	-	-	-	-	12.5
Spurn Head	b c	b c y	b c w	b c	63	59	-	-	-	-	-	13.7
Birmingham (Edgbaston)	b	b	b	b c	79	56	50	-	-	-	-	14.8
Cranwell	b b c	b b c	p b c	c	83	55	52	-	-	-	-	14.5
Gorleston	b	b	b y b	b	74	55	52	-	-	-	-	14.7
Valentia (Cahirciveen)	c r c b c	b c c	b c c	c	64	56	52	0.4	<8.00	-	-	4.0
Roches Point	f d f f o	c c c v	e v b c b w	b w c	66	50	-	0.1	11.00	Tr.	-	-
Pembroke (St. Ann's H.)	c	c m	o d o f f	b c c	59	55	-	Tr.	17.30	0.1	<21.00	0.0
Ross-on-Wye	b	b y	b y b	b w c c	77	50	44	-	-	-	-	15.0
Leafield	b y	b y	b	b b c c	78	49	42	-	-	-	-	15.4
Winchester (Worthy Dn.)	b c f b y	b y	b y b	o f e f e w	82	49	40	-	-	-	-	13.4
S. Farnborough	b	b y	b y b	b o b o f	83	48	34	-	-	-	-	15.0
London (Kew Obsy.)	b y	b y	b y b	b m w b	83	56	43	-	-	-	-	14.9
Croydon	b y	b y	b b c	b b c	83	52	48	-	-	-	-	15.3
Shoeburyness	b m b z	b z	b 3	b	81	50	38	-	-	-	-	14.0
Clacton-on-Sea	b z	b z b	b b c	b c	73	55	52	-	-	-	-	15.0
Felixstowe	b m b y	b y b	b	b	75	59	51	-	-	-	-	15.0
Lympne	b b y v	b v y b	b	b	77	54	41	-	-	-	-	15.7
Scilly (St. Mary's)	b c b	b b c c	c o F F	o f d e b c	64	55		-	-	Tr.	2.30	5.1
Falmouth (Pendennis)	b c F b	c F b c	b c c	c r o b c	70	58	-	-	-	Tr.	1.30	13.8
Plymouth (Chittewater)	o F e F e b	b	b o	p m o d o	65	56	55	-	-	Tr.	4.30	11.6
Portland Bill	o F b z	b	b	b o 3 o	66	57	-	-	-	-	-	-
Southampton (Calshot)	b F F b y	b y	b w n w	b w m F	83	51	43	-	-	Tr.	-	12.8
Dungeness	b	b b v	b v	b b c	72	50	-	-	-	-	-	-
Guernsey	b v	b v	b	b b c c F e	74	54	-	-	-	Tr.	-	15.3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	12th 10h	Hibernia	SWS	5	ct	59	55
1	12th 12h	St. Julien	E N	2	ct	62	59
3	13th 1h	Brighton	N W	2	bc	63	62

GENERAL INFERENCE.

An anticyclone, stretching from beyond the Azores to Central Europe, will maintain fine and very warm weather over most of England. Small secondaries, associated with an almost stationary depression over Iceland, will maintain rather cool and cloudy conditions in the North and West with slight drizzle locally in Western Ireland and Western Scotland.

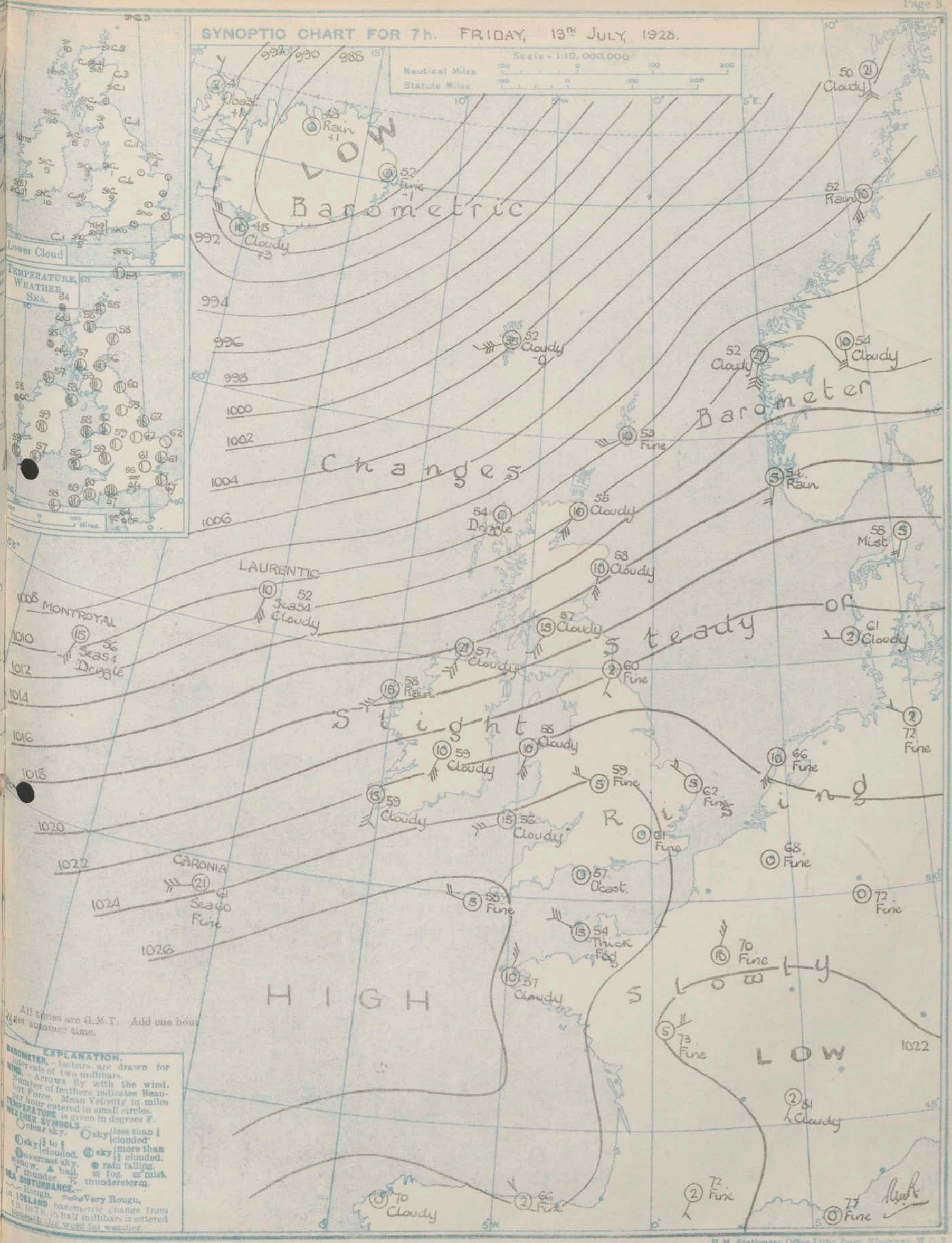
Friday, 13th July, 1928.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light variable winds; fine today, more cloud tomorrow; local morning mist or fog; very warm.	Similar but with more cloud developing over England.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Southwesterly winds, light or moderate; bright and cloudy periods; local morning mist or fog; moderate temperature to rather warm.	
9. N. Midlands 10. N.E. England	As 1 - 4	
11. S.E. Scotland	As 5 - 8	
12. S.W. Scotland & Isle of Man 13 (A. W. Scotland (B. N.W. Scotland	Southwesterly winds, light to moderate; mainly cloudy, local drizzle and mist; moderate temperature.	
14. Mid-Scotland 15. N.E. Scotland	As 1 - 4	
16. Orkneys and Shetlands 17. N.W. Ireland	As 12 - 13B.	
18. N.E. Ireland 19. S.E. Ireland	Southwesterly winds, light to moderate; cloudy periods; perhaps local drizzle; moderate temperature.	
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.



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

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. snow. hail. fog. mist. thunder. thunderstorm.

SEA DISTURBANCE.
Rough. Very Rough.

In **ICELAND** barometric change from 4 h. to 7 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:

BRITISH SECTION... Friday, 13 July ... 1928. No. 195.

Observations at 1h. G.M.T. 13th

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	1002.1	-1	SW	3	bc	54	85	8	5700	StCu	5	ACu	7
Stornoway	30	1011.5	0	SW	4	c	*	*	5	*	*	*	*	9
Wick	81	1012.3	0	SW	2	c	53	97	8	2500	StCu	4	CiSt	8
Tiree	33	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	52	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	68	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	61	1016.7	-2	S	4	c	56	92	8	5700	StCu	7	ACu	9
Renfrew	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	196	1017.7	+1	NSW	2	c	56	85	8	4000	StCu	9	-	9
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	704	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	67	1012.5	0	SW	2	0	60	85	7	800	Nb	10	-	10
Blacksod Point ...	18	1016.9	-1	SW	4	c	58	85	6	*	CuNb	9	-	9
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	38	1021.6	+1	SW	1	if bc	55	97	6	450	St	5	-	5
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand) ...	14	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	476	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	39	1020.9	0	W	1	bc	60	92	6	-	-	0	ASt	4
Birmingham (Edgbaston)	630	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	348	1023.2	+1	W	2	b	58	85	6	4000	St	1	-	1
Gorleston	14	1020.5	0	W	2	b	66	85	7	-	-	0	-	0
Valentia (Cahirciveen)P	30	1024.2	0	W	2	bc	57	92	9	-	CuNb	7	-	7
Roches Point	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	150	1023.0	+1	SW	3	bc-	56	97	8	2500	StCu	4	-	4
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Lossiemouth	512	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	372	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	200	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	61	*	*	*	*	*	*	*
Croydon	344	1023.3	+1	WS	2	b-	60	65	8	-	-	0	-	0
Shoeburyness	31	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	320	1022.7	0	NW	3	b	57	75	7	-	-	0	-	0
Scilly (St. Mary's) ...	163	1025.5	0	W	3	fo-	58	97	8	800	St	10	-	10
Falmouth (Pendennis)	200	1024.7	NW	1	c+	59	97	7	4000	StCu	9	-	9
Plymouth (Cattewater)	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	52	1023.1	0	NW	1	b	57	85	8	2500	StCu	1	-	1
Southampton (Calshot)	10	1023.5	0	-	0	mmb	55	92	4	-	-	0	-	0
Dungeness	20	1022.7	0	NW	2	bv	57	75	9	-	-	0	-	0
Guernsey (Port George) P	205	1024.3	0	-	0	b-	60	85	7	-	-	0	-	0

Observations at 7h. 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	Sun 0-9
Lerwick	1003.8	+1	NSW	3	bc	53	85	8	5700	StCu	3	ASt	4	•
Stornoway	1003.2	-1	-	0	odq	54	97	6	1500	St	10	-	10	0
Wick	1012.1	0	SW	3	c	55	92	8	2500	StCu	8	-	8	0
Tiree	1013.2	0	WSW	6	odq	55	97	6	200	Nb	10	-	10	4
Nairn	1012.5	*	W	1	bc	58	85	8	1500	CuNb	7	-	7	•
Aberdeen	1015.2	+1	SSW	3	c	58	85	8	1500	Cu	3	ACu	9	0
Malin Head	1015.7	0	SW	5	c	57	97	7	4000	StCu	10	-	10	1
Renfrew	1017.3	0	SWS	4	c	57	85	8	5700	StCu	10	-	10	•
Edinburgh (Inchkeith)	1017.7	0	W	1	c	56	85	8	-	-	0	ASt	10	0
Leuchars	1016.8	0	SW	4	c	59	85	8	4000	StCu	1	ASt	9	•
Eskdalemuir	1019.7	0	S	3	c	53	97	7	1500	St	3	ASt	10	•
Tynemouth	1022.4	+2	SSW	1	bc	60	75	7	1500	Cu	4	ACu	6	•
Blacksod Point ...	1016.9	-1	SW	4	or	58	92	6	•	CuNb	10	-	10	5
Donaghadee	1019.7	+1	WSW	2	c	58	75	8	4000	StCu	8	-	8	1
Birr Castle	1020.4	*	SW	3	c	59	75	8	2500	StCu	5	ACu	8	•
Holyhead	1022.1	+2	SSW	3	c	58	92	8	5700	StCu	3	CiSt	8	1
Liverpool (Bidston) ...	1020.0	+1	SW	1	bc-	62	75	9	4000	StCu	1	Ci	7	•
Chester (Sealand) ...	1022.6	+1	SW	3	bc	63	75	8	2500	Cu	1	Ci	5	•
Harrogate	1023.4	+1	~~SW~~	3	bc	59	75	8	4000	Cu	1	Ci	3	
Spurn Head	1022.9	+2	WNW	3	bc	62	92	6	5700	StCu	4	CiCu	5	
Birmingham (Edgbaston)	1024.2	+2	WNW	2	bc+	59	85	7	2500	Cu	6	-	6	
Cranwell	1023.1	+1	W'N	-	-	62	85	7	-	-	0	ACu	2	0
Gorleston	1022.1	+3	NW	2	o	62	75	9	-	-	0	-	0	
Valentia (Cahirciveen)P	1022.9	+1	S'W	4	c	59	92	8	800	St	10	-	10	3
Roches Point	1023.8	+1	SW	1	c	57	97	8	2500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1024.0	+1	W'S	4	c	56	97	7	800	CuNb	5	CiCu	8	1
Ross-on-Wye	1024.1	+1	W'N	1	c	59	85	9	4000	StCu	9	-	9	•
Lossiemouth	1024.0	+4	W	1	bc-	58	85	7	800	StCu	9	-	9	•
Winchester (Worthy Dn.)	1024.6	+2	NNW	2	fo-	55	97	4	450	St	10	-	10	•
S. Farnborough ...	1025.0	+3	W'N	1	fo+	55	92	9	220	St	10	-	10	•
London (Kew Obsy.) ...	1024.6	+3	-	0	b	61	75	6	-	-	0	Ci	2	•
Croydon	1024.3	+2	NW	2	bc+	62	85	6	-	-	0	Ci	3	
Shoeburyness	1024.2	+2	NW	1	b	65	85	7	-	-	0	CiSt	2	•
Clacton-on-Sea ...	1023.2	+2	NW	3	bc	61	75	7	-	-	0	ACu	4	-1
Felixstowe	1023.1	+4	NNW	3	b	66	75	7	-	-	0	CiSt	12	0
Lympne	1022.7	+2	N'W	2	b.	66	85	6	-	-	0	Ci	1	•
Scilly (St. Mary's) ...	1026.5	+1	WNW	2	bc-	58	97	7	4000	Cu	1	Ci	3	-1
Falmouth (Pendennis)	1026.1	+1	NW	2	bc	59	85	8	4000	StCu	5	ACu	7	0
Plymouth (Cattewater)	1025.2	+1	NW	2	c	60	85	7	1500	Nb	10	-	10	0
Portland Bill	1024.3	+2	-	0	o	57	92	6	1500	St	10	-	10	0
Southampton (Calshot)	1024.8	+2	NNW	3	fo-	55	97	2	-	-	0	-	0	
Dungeness	1024.0	+2	NNW	2	bc+	67	65	8	-	-	0	CiSt	4	0
Guernsey (Port George) P	1025.3	+3	WNW	4	fo	54	97	-	150	St	10	-	10	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Thursday, 12 July

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 11th to 9h. 12th.	Temperature. Max. 9h. 12th.	Rainfall† Night 17h.-9h. 11th-12th.	Rainfall† Day 9h.-17h. 12th.	Sunshine. Sunrise to 17h. 12th.	Sunshine. Sunrise to Sunset. 11th.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	c	c	57	66	-	-	1.7	10.5
Douglas (I. o. M.) ...	of	op	54	56	0.3	1	0.0	0.0
Llandudno ...	bc	bc	57	71	-	-	11.1	12.0
Colwyn Bay ...	b	b	59	73	-	-	11.2	14.0
Rhyl	b	bbc	58	73	-	-	11.3	15.4
Wallasey	bcb	b	58	72	-	-	9.5	14.8
Southport	bcb	b	56	70	-	-	12.0	13.5
Blackpool	cbc	bcc	58	67	-	-	7.5	9.7
Ilkley	b	b	54	78	-	-	9.3	?
Cleethorpes	b	b	59	85	-	-	12.8	14.1
Skegness	b	b	55	75	-	-	12.1	14.0
Aberystwyth ...	cbc	bc	53	63	-	-	9.5	5.3
Bath	b	b	53	78	-	-	8.3	14.4
Cheltenham‡ ...	wbv	b	57	78	-	-	12.2	14.2
Leamington Spa ...	b	b	53	79	-	-	11.7	14.0
Lowestoft	b	b	60	74	-	-	11.6	14.0
Harwich & Dovercourt	bm	b	57	78	-	-	12.5	14.3
Maldon	b	b	58	84	-	-	12.2	14.7
Southend	b	b	57	83	-	-	12.4	14.4

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	bcb	b	55	63	-	-	9.7	13.7
Bude	bc	bco	50	67	-	-	10.3	12.9
Penzance	b	b	56	70	-	-	11.2	12.0
Paignton	bfc	by	47	77	-	-	9.4	14.7
Torquay	bf	b	52	77	-	-	12.2	14.3
Jersey	b	b	61	79	-	-	12.3	14.7
Weymouth	b	by	52	73	-	-	11.0	13.3
Bournemouth ...	b	b	45	80	-	-	10.5	14.5
Ventnor	bz	bz	55	70	-	-	12.3	13.8
Portsmouth (S'thsea)	b	b	52	80	-	-	12.2	14.7
Bognor	b	b	51	72	-	-	12.6	14.0
Littlehampton ...	b	b	47	71	-	-	12.3	14.0
Worthing	b	b	50	77	-	-	12.2	15.1
Brighton	b	b	49	74	-	-	12.3	14.0
Eastbourne‡	b	bvv	51	78	-	-	12.8	14.8
Hastings‡	b	b	54	76	-	-	12.3	15.1
Folkestone	b	b	54	78	-	-	12.5	14.0
Dover	b	by	51	76	-	-	12.6	14.6
Tunbridge Wells ...	b	b	48	81	-	-	12.8	15.1
Ramsgate	b	b	56	77	-	-	12.7	14.6
Margate	b	b	57	82	-	-	12.7	14.7
Deal	b	b	52	84	-	-	12.8	14.9

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.

‡ ‡ 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. 24341 Saturday, 14 July 1928.

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

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	1008.1	-4	SSW	3	or	57	85	7	4000	Nb	10	-	10	•
Stornoway	1011.6	+3	W	5	c/r	55	65	7	4000	CuNb	9	-	9	•
Wick	1011.6	+2	SW	4	c	63	75	8	2500	St.Cu	6	Ci.St	8	•
Tiree	1015.2	+2	W	5	o	56	97	7	800	St	10	-	10	1
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1015.5	+2	SW'S	5	bc	65	65	7	2500	Cu	5	A.Cu	6	0
Malin Head	1016.6	+1	SW	4	cd	59	97	7	1500	St	9	-	9	•
Renfrew	1017.7	0	SW'S	4	c	61	85	6	2500	St	9	A.Cu	9	0
Edinburgh (Inchkeith)	1017.8	0	WSW	3	c	59	75	8	-	-	0	A.St	10	•
Leuchars	1017.2	+1	WSW	5	c	61	85	8	2500	St.Cu	9	A.St	10	0
Eskdalemuir	1019.4	0	SSW	6	c	60	75	7	2500	St.Cu	9	Ci.St	10	1
Tynemouth	1021.1	0	WSW	5	bc	71	45	7	1500	Cu	4	A.Cu	6	•
Blacksod Point ...	1017.4	+1	SW	4	or	59	92	7	*	Nb	10	-	10	•
Donaghadee	1019.4	0	WSW	3	bc+	65	65	8	4000	St.Cu	4	A.St	6	•
Birr Castle	1020.6	*	WSW	4	c	67	65	7	2500	St.Cu	8	-	8	•
Holyhead	1022.4	0	SSW	6	c	60	85	8	5700	St.Cu	1	Ci	8	0
Liverpool (Bidston) ...	1022.8	0	WSW	2	bc-	71	45	9	-	-	0	A.Cu	7	•
Chester (Sealand) ...	1022.5	0	SW	3	bc	75	45	9	4000	Cu	2	Ci	6	0
Harrogate	1022.3	+1	SW	3	b	72	45	8	-	-	0	A.Cu	2	•
Spurn Head	1022.5	0	SE'S	4	bc+	65	75	6	4000	Cu	6	Ci.Cu	7	•
Birmingham (Edg'baston)	1022.6	0	WSW	3	b	74	45	8	4000	Cu	1	Ci	2	0
Cranwell	1023.2	-1	SW'W	3	bc-	76	55	7	4000	Cu	1	Ci	3	0
Gorleston	1022.8	0	ENE	1	bc	73	75	6	4000	Cu	3	Ci	6	•
Valentia (Cahirciveen)	1023.6	+1	SW'S	4	c	61	85	5	1500	St	9	•	9	0
Roches Point	1024.1	+1	SW	2	bc	62	85	8	2500	Cu	3	Ci.Cu	4	•
Pembroke (St. Ann's H.)	1025.0	+1	WSW	3	bc-	61	85	8	1500	Cu	3	Ci.Cu	5	•
Ross-on-Wye	1023.4	0	WSW	3	b	76	45	8	5700	Cu	1	Ci	1	0
Lesfield	1023.7	0	SW	2	bc	73	55	8	4000	Cu	1	Ci	4	0
Winchester (Worthy Dn)	1024.3	-2	WNW	2	bc-	74	65	8	4000	Cu	1	Ci	6	0
S. Farnborough ...	1024.4	0	W	3	bc	76	55	7	*	-	0	Ci	4	0
London (Kew Obsy.) ...	1024.6	0	W	2	bc	74	45	8	-	-	0	Ci	4	0
Croydon	1024.1	0	W	3	bc	78	55	7	-	-	0	Ci	3	0
Shoeburyness	1024.0	0	WNW	1	b	79	55	8	-	-	0	Ci.St	2	•
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1023.9	0	SSE	3	bc	73	65	8	4000	Cu	1	Ci	3	0
Lympne	1024.0	0	ESE	3	bc+	73	45	7	-	-	0	Ci	3	0
Scilly (St. Mary's) ...	1026.7	0	W'S	2	bc	68	75	8	4000	Cu	2	Ci	4	•
Falmouth (Pendennis)	1026.8	0	S	1	bc-	66	75	8	4000	Cu	2	A.Cu	4	•
Plymouth (Cattewater)	1025.8	0	SSW	3	b-	67	75	8	4000	Cu	1	Ci.Cu	2	0
Portland Bill	1025.5	+1	WNW	3	bc	61	85	8	2500	Cu	1	Ci	7	•
Southampton (Calshot)	1024.8	0	NNW	3	bc	73	65	7	4000	Cu	1	Ci	4	0
Dungeness	1024.8	+1	S	2	bc+	71	75	7	-	-	0	Ci.Cu	3	•
Guernsey (Fort George)	1026.7	+1	NW'N	2	c	61	85	6	450	St	8	A.St	10	•

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

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 of ground.
Lerwick	1011.4	+2	W'S	3	bc	55	85	8	4000	Cu	3	Ci	6	•
Stornoway	1012.3	0	SSW	3	c	54	85	7	4000	CuNb	10	-	10	2
Wick	1013.3	+1	SW	1	c/pr	54	97	8	2500	St.Cu	5	A.St	10	0
Tiree	1015.0	0	W	4	or	56	97	6	450	Nb	10	-	10	3
Nairn	1013.6	*	W	3	c/r	61	85	8	4000	CuNb	8	-	8	•
Aberdeen	1015.8	0	SW	4	c	62	85	7	1500	St	1	A.Cu	9	0
Malin Head	1016.4	-1	SW	3	c/d	59	97	8	1500	St	9	•	9	0
Renfrew	1017.8	0	SW	4	cd	59	92	6	2500	St	10	-	10	•
Edinburgh (Inchkeith)	1017.7	0	SW	3	c	60	85	8	-	-	0	A.St	10	1
Leuchars	1017.0	-1	SW	5	cd	60	92	7	1500	Nb	8	A.St	10	•
Eskdalemuir	1020.0	0	S'W	4	o	56	92	6	1500	St	10	-	10	•
Tynemouth	1019.5	-1	WSW	3	bc+	66	45	7	1500	CuNb	7	-	7	1
Blacksod Point ...	1018.2	+1	SSW	6	o/pr	58	85	6	*	Nb	10	-	10	6
Donaghadee	1019.3	0	WSW	3	c+	65	75	8	4000	St.Cu	8	-	8	2
Birr Castle	1020.8	*	SW	4	bc-	67	65	7	2500	Cu	5	A.Cu	6	•
Holyhead	1022.3	0	SSW	5	bc	58	92	6	450	St	6	A.Cu	7	4
Liverpool (Bidston) ...	1022.4	-1	SSW	2	bc-	71	45	9	4000	St.Cu	1	Ci	5	•
Chester (Sealand) ...	1022.7	+1	SW	3	bc	71	45	9	4000	Cu	1	Ci	6	•
Harrogate	1022.0	0	SW'S	4	bc	69	45	8	-	-	0	Ci	6	•
Spurn Head	1022.0	0	WSW	3	c+	75	65	6	-	-	0	A.St	8	0
Birmingham (Edg'baston)	1023.3	0	WSW	3	b	75	45	8	4000	Cu	1	Ci	2	•
Cranwell	1022.8	0	W	3	c+	76	55	7	4000	Cu	1	Ci	2	•
Gorleston	1024.1	+1	SSE	2	bc	64	75	6	4000	Cu	2	Ci	3	0
Valentia (Cahirciveen)	1023.6	0	SSW	3	c	61	85	8	1500	St.Cu	9	-	9	+
Roches Point	1024.0	-1	SW	3	bc	59	92	8	2500	Cu	4	Ci.Cu	7	+
Pembroke (St. Ann's H.)	1025.2	0	WSW	3	bc	60	85	8	2500	Cu	4	-	4	•
Ross-on-Wye	1023.4	0	W	3	b	75	45	8	-	-	0	Ci	1	•
Lesfield	1023.7	0	W'S	2	b	74	45	8	-	-	0	Ci	2	•
Winchester (Worthy Dn)	1024.3	0	W'N	3	b	75	45	9	4000	St.Cu	1	Ci	2	•
S. Farnborough ...	1023.8	0	W	2	b	77	55	8	4000	Cu	1	Ci	2	•
London (Kew Obsy.) ...	1023.6	-1	W	2	b-	78	45	8	-	-	0	Ci	1	•
Croydon	1023.2	-1	W'N	3	b-	78	45	8	-	-	0	Ci	1	•
Shoeburyness	1023.1	-1	SSE	1	b	73	85	6	-	-	0	Ci	1	•
Clacton-on-Sea ...	1023.3	0	SE	4	bc	68	75	7	-	-	0	Ci	5	2
Felixstowe	1023.9	0	SSE	2	b	68	78	8	-	-	0	Ci.St	1	0
Lympne	1024.0	0	SSE	2	bc-	69	65	7	-	-	0	Ci	3	•
Scilly (St. Mary's) ...	1027.1	-1	W	3	bc	62	85	7	4000	Cu	3	-	3	1
Falmouth (Pendennis)	1026.8	0	WNW	2	bc-	66	75	8	4000	Cu	2	Ci	3	0
Plymouth (Cattewater)	1025.8	0	NW	3	b	66	65	8	4000	Cu	1	Ci	1	0
Portland Bill	1025.4	-1	WSW	3	bc-	62	85	8	2500	St.Cu	1	Ci	4	1
Southampton (Calshot)	1024.3	-1	WSW	4	b-	72	65	8	-	-	0	A.Cu	2	0
Dungeness	1025.0	0	SW	2	bc	67	65	8	-	-	0	Ci.St	3	0
Guernsey (Fort George)	1026.2	-1	NW	3	bc-	61	85	7	450	St	4	-	4	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. 18h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility.§
		24 HOURS ENDED 9h.								YESTERDAY.	TO-DAY.		
Kew	18	bbey	by	bybnb	80	56	46	-	-	15.2	*	*	7
Croydon	244	bczy	bcby	b bz	81	55	49	-	-	15.3	*	*	*
Greenwich (Royal Obsy.) ...	149	bbcez	cbcby	bcbmy	85	57	42	-	-	14.8	33	38	6
City (Bunhill Row)	80	*	*	*	*	*	*	-	-	14.8	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	80	57	50	-	-	14.7	53	56	*
Regent's Pk. (Botanic Gdns).	108	*	*	*	*	*	*	-	-	14.7	*	*	*
Camden Square	110	b	b	*	85	59	-	-	-	*	*	50	*
Kensington Palace	20	b	b	*	81	58	51	-	-	*	(At 18h. 45)	43	*
Hampstead Observatory ...	450	*	*	*	79	55	46	-	-	14.4	*	49	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 7h. G.M.T. 14

South Kensington

Max.	Time.	Min.	Time.
0.6	8h. 13m	<0.3	14h. 13m

Kew Observatory

Max.	Time.	Min.	Time.
0.1	9h. 13m	<0.1	8h. 13m 16.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 13h 21m 30s to 14h 2h 30m

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.0	5.0	100
2 Ursae Minoris	5.0	5.0	100

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Hard ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Sleeting to-day in 13h. and 18h. reports (Hoar frost in 13h. 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.

14, 15, 16 July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.48	11.59	20.9
	3.49	11.59	20.8
Greenwich	4.1	12.6	20.10
	4.2	12.6	20.9
Wick	3.29	12.18	21.6
	3.31	12.18	21.4
Valentia	4.39	12.4	20.53
	4.40	12.4	20.52

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 skys
v unusual visibility. w dew.
z 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, wherever possible, the general character of the weather.
A "wedge" divides actual existing weather from preceding conditions, thus:—left = fair weather after rain; right = rain after fair weather.
- = 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	55-65
11	66-75
12	Above 75

SEA DISTURBANCE.

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

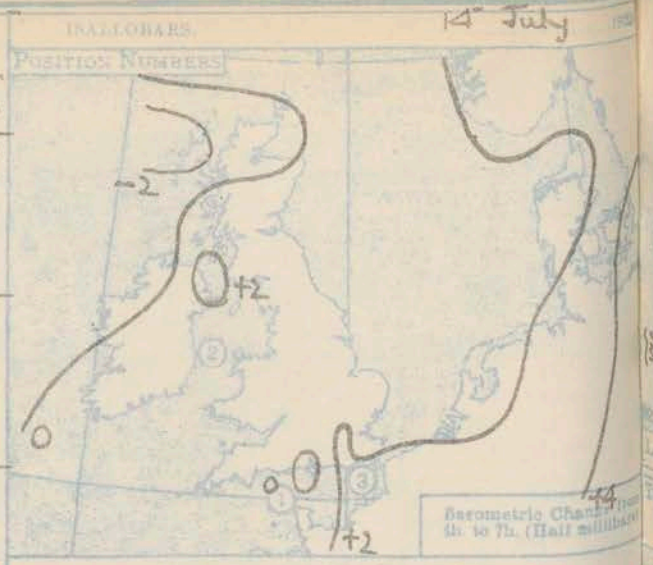
§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	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.	2¾ "
6. Moderate.	5½ "
7. Good.	11½ "
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. 13r	Weather. 18h.-18h. 13r	Weather. 18h. 13r to 1h. 14r	Weather. 1h.-7h. 14r	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. 13r Hours.
Lerwick	bccolr	cpbc	bcc	cpr	62	50	•	0.2	12.30	Tr.	4.30	5.0
Stornoway	r-d	o	c	r-d	59	51	•	0.4	<8.00	1	2.30	1.4
Wick	cprc	cpr	circ	circ	63	51	•	0.1	9.00	0.5	<21.00	•
Tiree	pdo	dro	d	do	56	55	54	5	<8.00	4	<21.00	0.0
Nairn	PR bc	bcpc	prbc	bc	65	56	•	1	9.00	0.4	<21.00	2.0
Aberdeen	cbc	c	c	c	68	58	55	-	-	-	-	2.6
Malin Head	cdo	cid	cr	cr	59	56	•	1	9.00	1	<21.00	0.0
Renfrew	cpccq	cz	cdorr	odom	62	56	55	Tr.	<8.00	3	<21.00	0.0
Edinburgh (Inchkeith)	c	c	p	c	61	56	54	-	-	Tr.	24.00	0.2
Leuchars	crocc	crocc	coid	coido	64	58	55	Tr.	9.00	0.2	<21.00	0.6
Eskdalemuir	c	com	omd	omid	62	53	53	-	-	0.1	<21.00	1.7
Tynemouth	bcq	bcq	cq	cbc	73	58	53	•	•	-	-	•
Blacksod Point ...	po	popo	po	dod	59	56	•	0.3	•	1	•	•
Donaghadee	bc	bcc	c	cbc	68	54	•	-	-	-	-	•
Birr Castle	c	cbc	bc	bc	63	54	48	-	-	-	-	3.8
Holyhead	c	cbcm	bccm	cbcmw	63	55	52	-	-	-	-	10.0
Liverpool (Bidston) ...	bccvy	bcby	vybcb	bbc	73	56	50	-	-	-	-	14.2
Chester (Sealand) ...	by	bcvy	bc	bc	76	56	45	-	-	-	-	13.1
Harrogate	bc	bbc	bcb	bbc	73	54	48	-	-	-	-	14.8
Spurn Head	bc	bcc	bc	bc	77	59	•	-	-	-	-	12.3
Birmingham (Edgbaston)	bcb	b	b	bbc	78	52	47	-	-	-	-	14.3
Cranwell	bcc	bc	cb	bbc	79	57	55	-	-	-	-	13.3
Gorleston	bbcz	bcz	bcb	bwb	73	58	53	-	-	Tr.	-	13.2
Valentia (Cahirciveen)	c	c	c	c	64	58	56	-	-	-	-	0.5
Roches Point	cbc	bc	bcc	cbc	64	55	•	-	-	-	-	•
Pembroke (St. Ann's H.)	cbc	bc	bcc	c	62	56	•	-	-	-	-	9.3
Ross-on-Wye	cbccb	bybcyby	byb	bmwb	79	51	44	-	-	-	-	12.3
Leafield	bc	by	b	b	77	50	44	-	-	-	-	9.8
Winchester (Worthy Dn.)	omeocbc	bcbvy	bvyb	b	78	48	40	-	-	-	-	8.9
S. Farnborough ...	ofcmbcy	bcyby	byb	bw	80	49	37	-	-	-	-	13.1
London (Kew Obsy.) ...	obcy	by	byb	bmob	80	56	46	-	-	-	-	15.2
Croydon	bczoy	bcby	b	bzo	81	55	49	-	-	-	-	15.3
Shoeburyness	b	bz	b	b	82	58	48	-	-	-	-	14.7
Clacton-on-Sea ...	bc	bcz	bcz	bcbzw	73	58	55	-	-	-	-	14.6
Felixstowe	bybc	bcc	b	bwmo	75	56	48	-	-	-	-	14.6
Lympne	bzbcy	bcybc	b	bmwzo	76	55	46	-	-	Tr.	-	15.4
Scilly (St. Mary's) ...	bc	bc	bcb	bbc	65	55	•	-	-	-	-	14.0
Falmouth (Pendennis)	bc	bc	bcb	bFbcm	69	53	•	-	-	-	-	13.0
Plymouth (Cattewater)	cb	b	b	bobwm	69	53	48	-	-	-	-	10.9
Portland Bill	ocbc	bc	bcbv	b	64	54	•	-	-	-	-	•
Southampton (Calshot)	bfbcmo	bc	bwmo	bw	80	51	43	-	-	Tr.	-	11.1
Dungeness	bbc	bc	bcb	bbmmb	76	60	•	-	-	-	-	•
Guernsey	cFFcmo	cbcmo	bcbmo	bw	64	56	•	-	-	Tr.	-	5.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	13th 18h	Hibernia	SW'S	3	c	56	54
1	13th 12h	St. Helier	N'W	3	fb-	59	58

General Inference.

An anticyclone centred off southwest coasts will maintain mainly fine and warm weather over England. A secondary associated with a depression near Iceland will move northeastwards along our northwest seaboard and give rise to unsettled weather in the North and West with some rain or drizzle particularly in Western Ireland and Western Scotland.

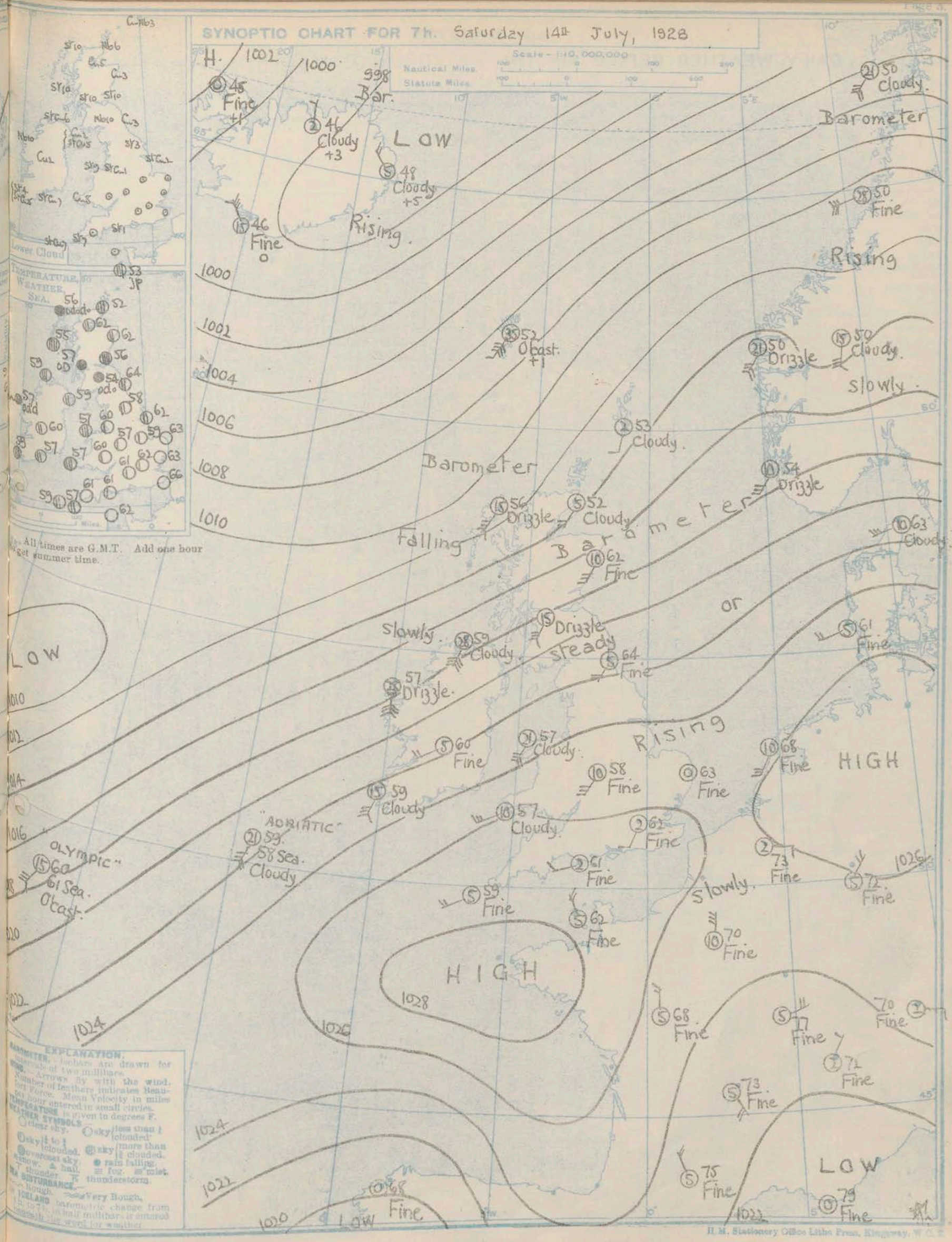
Saturday, 14th July, 1928.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Variable or southwesterly winds, light to moderate; mainly fine; local morning mist; very warm.	Similar.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Variable to southwesterly winds, light to moderate or fresh; bright periods; local coastal mist or fog, night and morning with perhaps local drizzle; moderate temperature to rather warm.	
9. N. Midlands 10. N.E. England	As 1 - 4	
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Southwesterly winds, mainly moderate; bright and cloudy periods, perhaps slight drizzle and mist locally; moderate temperature to rather warm.	
13 A. W. Scotland 13 B. NW Scotland 14. Mid-Scotland 15. N.E. Scotland	Southwesterly winds, moderate to fresh or strong at times; cloudy periods with local rain or drizzle and mist; moderate temperature.	
16. Orkneys and Shetlands	As 11.	
17. N.W. Ireland 18. N.E. Ireland	As 12 - 14	
19. S.E. Ireland	As 11	
20. S.W. Ireland	As 12 - 14	

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.... Saturday 14th July ....1928. No. 196...

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10
Lerwick	54	1012.4	+2	S'W	1	c	51	92	8	4000	Cu	5	A.St	8
Stornoway	80	1013.0	0	SW	3	c	*	*	6	*	*	*	*	9
Wick	81	1013.9	+1	SW	1	c	52	97	8	1500	Nb	6	Ci.St	8
Tiree	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	27	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	81	1017.4	0	SSW	5	cr0	57	97	7	4000	St.Cu	9	-	9
Renfrew	86	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1017.7	+1	WSW	4	bc/r	57	92	8	1500	St	5	-	5
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	67	1021.4	+1	SW	3	c	60	75	7	1500	Nb	8	-	8
Blacksod Point	18	1018.2	0	SW	4	c	58	92	6	*	-	0	A.St	10
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	29	1022.7	+1	SSW	4	c	56	97	6	800	St	8	-	8
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	29	1022.8	0	W'S	1	b-	60	75	7	-	-	0	A.St	2
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	236	1024.4	+2	SW'W	2	b-	59	85	6	-	-	0	-	0
Gorleston	14	1024.7	0	S'W	1	b	61	92	6	-	-	0	-	0
Valentia (Cahirciveen) P	30	1023.1	0	S	4	bc	58	92	9	*	CuNb	7	-	7
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	150	1025.9	+1	WSW	4	c	57	92	8	1500	Cu	8	-	8
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	62	*	*	*	*	*	*	*
Croydon	244	1026.0	+2	WSW	2	b	61	65	6	-	-	0	-	0
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1025.4	+2	NW	2	b	59	92	7	-	-	0	-	0
Scilly (St. Mary's)	163	1027.2	-1	SW'W	3	b	56	97	7	4000	Cu	1	Ci	2
Falmouth (Pendennis)	200	1028.0	+1	*	0	b	56	97	7	-	-	0	-	0
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	32	1026.0	0	NNW	2	b	58	85	8	-	-	0	-	0
Southampton (Calshot)	10	1026.6	+1	NW'W	1	b	56	85	6	-	-	0	-	0
Dungeness	26	1025.3	+1	W	1	b-	61	97	7	-	-	0	-	0
Guernsey (Fort George) P	298	1027.0	0	W	1	b-	58	92	8	*	-	0	-	0

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1012.8	+1	S'W	1	cjp	53	85	8	4000	CuNb	3	A.St	10	*
Stornoway	1010.7	-2	SW	4	odd	56	97	(	1500	St	10	-	10	3
Wick	1013.6	-1	SW	2	c	52	97	8	1500	Nb	6	A.St	8	0
Tiree	1015.0	0	WSW	5	o	55	97	6	450	St	10	-	10	4
Nairn	1014.3	*	W	1	bc-	62	75	8	4000	Cu	5	-	5	*
Aberdeen	1016.7	0	SSW	3	bc	62	75	8	1500	Cu	3	Ci.Cu	6	0
Malin Head	1016.6	-1	SSW	6	c/r	59	92	7	5700	St.Cu	6	A.Cu	8	3
Renfrew	1019.4	+1	SW	4	oD	57	92	6	800	St	10	-	10	*
Edinburgh (Inchkeith)	1018.6	+1	WSW	4	o	56	92	8	1500	St	10	-	10	2
Leuchars	1019.1	+2	SW	3	o	58	85	7	1500	St	10	-	10	*
Eskdalemuir	1021.8	+1	SW'W	6	od	54	97	6	450	Nb	10	-	10	*
Tynemouth	1020.9	+1	SW	2	bc	64	75	6	1500	Cu	3	-	3	0
Blacksod Point	1017.5	-1	S.	6	odd	57	92	5	*	Nb	10	-	10	6
Donaghadee	1020.6	+2	SW'W	2	bc-	59	85	8	4000	St.Cu	7	-	7	1
Birr Castle	1021.7	*	WSW	2	bc-	60	55	7	1500	Cu	2	A.Cu	3	*
Holyhead	1023.6	+1	SSW	5	c+	57	92	7	800	St	9	-	9	1
Liverpool (Bidston)	1024.8	+2	WSW	3	b	60	75	8	4000	St.Cu	1	Ci	1	*
Chester (Sealand)	1024.4	+1	SSW	2	bc+	62	75 (red)	8	4000	Cu	5	Ci	6	*
Harrogate	1023.7	0	SW'S	5	bc	58	85	7	2500	St	3	-	3	*
Spurn Head	1023.7	+1	W'S	4	bc	62	75	7	5700 (red)	St.Cu	2	Ci	3	1
Birmingham (Edgbaston)	1026.3	+1	SW	3	bc	58	85	8	-	-	0	Ci	3	*
Cranwell	1025.1	+1	W	4	b	59	85	8	-	-	0	Ci	1	*
Gorleston	1024.9	0	-	0	b	63	85	6	-	-	0	-	0	0
Valentia (Cahirciveen) P	1023.7	+1	S'W	4	c	59	85	8	1500	St.Cu	9	-	9	3
Roches Point	1025.0	0	W	3	bc	57	92	8	2500	St.Cu	7	-	7	4
Pembroke (St. Ann's H.)	1026.0	0	WSW	3	c	57	85	8	2500 (red)	Cu	8	-	8	1
Ross-on-Wye	1025.7	0	SW'S	3	b	60	75	7	-	-	0	Ci	1	*
Leafield	~~[illegible]~~ 1026.6 (red)	+1	SW	1	b	57	85	7	-	-	0	A.Cu	1	*
Winchester (Worthy Dn.)	1026.8	+1	WNW	3	b	59	85	8	-	-	0	A.St	1	*
S. Farnborough	1026.6	+1	WNW	2	b	61	75	8	-	-	0	-	0	*
London (Kew Obsy.)	1026.8	+2	SSW	1	b	62	75	6	-	-	0	A.Cu	1	*
Croydon	1026.9	+1	W	2	b+	64	65	6	-	-	0	A.Cu	1	*
Shoeburyness	1026.7	+2	-	0	b	67	75	7	-	-	0	-	0	*
Clacton-on-Sea	1025.8	+2	NW	1	b	63	75	6	-	-	0	-	0	1
Felixstowe	1026.0	+1	W	1	b-	66	75	6	-	-	0	-	0	0
Lympne	1026.2	+2	N	1	b	67	65	6	-	-	0	-	0	*
Scilly (St. Mary's)	1027.0	0	WSW	2	bc	59	92	7	4000	St.Cu	7	-	7	1
Falmouth (Pendennis)	1028.0	+1	-	0	bc+	57	97	6	800	St	7	-	7	0
Plymouth (Cattewater)	1027.4	0	NW	2	b-	61	75	7	-	-	0	-	0	0
Portland Bill	1026.9	+1	W	1	b	61	75	8	1500	St	1	-	1	0
Southampton (Calshot)	1026.0	-1	NW	2	b	59	85	I	-	-	0	-	0	0
Dungeness	1026.5	+2	N	1	b/m	66	65	7	-	-	0	-	0	1
Guernsey (Fort George) P	1027.7	+1	NNW	2	b	62	85	7	-	-	0	-	0	1

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

Stations (1)	Weather Fore-noon (2)	Weather After-noon (3)	Temperature Min. 9h.-12 to 9h.-13 (4) °F.	Temperature Max. 9h.-17h. 13 (5) °F.	Rainfall† Night 17h.-9h. 12-13 (6) mm.	Rainfall† Day 9h.-17h. 13 (7) mm.	Sunshine Sunrise to 17h. 13 (8) hr.	Sunshine Sunrise to Sunset 12 (9) hr.
Berwick-on-Tweed	c	c	55	67	-	-	6.0	2.0
Douglas (I. o. M.)	c-bc	c-bc	53	61	-	-	4.0	0.0
Llandudno	bcb	bcb	55	72	-	-	11.8	11.1
Colwyn Bay	b	b	56	72	-	-	12.0	11.2
Rhyl	bcb	bcb	55	71	-	-	11.9	11.5
Wallasey	b	b	56	76	-	-	11.9	10.3
Southport	bbcb	b	*57	72	-	-	11.5	12.3
Blackpool	bcc	cbc	56	70	-	-	6.5	8.1
Ilkley	b	b	53	76	-	-	11.5	10.5
Cleethorpes	b	b	57	81	-	-	10.8	15.0
Skegness	bbcbc	bc	55	73	-	-	9.8	14.6
Aberystwyth	c bc	bbc	56	66	-	-	10.1	10.3
Bath	bc b	b	57	74	-	-	8.2	11.4
Cheltenham‡	cbcb	b	55	78	-	-	7.5	15.0
Leamington Spa	c b	bc	54	78	-	-	9.5	15.1
Lowestoft	b	b	55	69	-	-	11.5	13.0
Harwich & Dovercourt	bcm	bc	57	76	-	-	12.6	14.4
Maldon	b	b	50	82	-	-	12.5	14.8
Southend	b	b	59	82	-	-	12.2	14.7

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	cb	b	57	62	-	-	9.6	10.4
Bude	cbc	bcc	57	65	-	-	9.4	10.3
Penzance	b	b	58	70	-	-	11.3	11.2
Paignton	cbc	by	55	74	-	-	8.8	12.3
Torquay	cbcb	b	56	75	-	-	8.2	14.9
Jersey	bc	bc	56	67	-	-	12.5	15.5
Weymouth	cb	b	53	71	-	-	7.8	13.0
Bournemouth	ob	b	55	78	-	-	6.0	13.4
Ventnor	mb3	b3	54	73	-	-	12.1	14.4
Portsmouth (S'thsea)	b	b	51	79	-	-	9.5	15.1
Bognor	b	b	53	79	-	-	12.6	15.2
Littlehampton	b	b	49	71	-	-	12.3	15.3
Worthing	b	b	53	75	-	-	12.6	15.1
Brighton	b	b	55	75	-	-	12.3	15.1
Eastbourne‡	b	b	54	77	-	-	12.7	15.4
Hastings‡	b	b	59	77	-	12.9 (red)	~~(12.8)~~	15.3
Folkestone	b3y	by	60	78	-	-	12.5	14.9
Dover	yb	b	58	73	-	-	12.6	15.1
Tunbridge Wells	b	b	51	83	-	-	12.6	15.5
Ramsgate	b	b	60	75	-	-	12.5	15.2
Margate	b	b	61	75	-	-	12.7	15.2
Deal	b	b	57	78	-	-	12.6	15.6

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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 I. †‡ 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.24,342. Sunday 15th July 1928. Page 1.

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

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	1008.3	-6	SE	2	c	54	82	7	2500	StCu	10	-	10	•
Stornoway	1007.4	-2	S	6	oD	57	92	5	1500	St	10	-	10	•
Wick	1009.2	-4	SSW	5	c	64	75	8	2500	StCu	4	CiSt	8	•
Tiree	1013.6	-2	SW	6	o	58	92	7	800	St	10	-	10	1
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1014.4	-2	SW/S	5	bc	69	65	8	2500	Cu	1	CiCu	4	0
Malin Head	1016.3	-1	SSW	6	c	63	92	7	5700	StCu	9	-	9	•
Renfrew	1018.1	-2	SW	8	c	65	75	8	2500	StCu	9	-	9	1
Edinburgh (Inchkeith)	1017.9	-1	WSW	4	c	62	75	8	4000	Cu	6	ACu	9	•
Leuchars	1017.7	-2	SW	5	c	67	75	7	1500	St	9	-	9	0
Eskdalemuir	1020.4	0	SSW	6	c	60	85	7	1500	StCu	8	ACu	9	1
Tynemouth	1020.8	0	S	2	bc	72	55	7	1500	Cu	3	-	3	•
Blacksod Point	1017.6	+1	S	5	c	59	85	7	•	•	0	ASt	10	•
Donaghadee	1019.9	-1	S	3	b	67	75	8	4000	Cu	2	-	2	•
Birr Castle	1021.1	•	•	•	b	74	55	7	4000	StCu	1	ACu	2	•
Holyhead	1023.9	0	SW	5	b	61	85	8	1500	St	1	-	1	0
Liverpool (Bidston)	1023.3	-1	WSW	2	bv	70	45	9	2500	St	1	-	1	0
Chester (Sealand)	1024.4	+1	SW	2	b	74	45	8	-	-	0	-	0	0
Harrogate	1023.1	+1	SW/W	4	b	71	55	7	-	-	0	CiCu	1	•
Spurn Head	1023.8	0	WSW	3	bc	77	45	8	-	-	0	ASt	3	•
Birmingham (Edgbaston)	1025.0	-1	SW	3	b	76	35	8	-	-	0	-	0	0
Cranwell	1024.4	-2	WSW	3	b	79	45	7	-	-	0	-	0	0
Gorleston	1026.0	0	calm	0	b	72	75	6	-	-	0	-	0	•
Valentia (Cahirciveen)	1024.4	+1	S	4	bc	64	75	8	1500	StCu	5	-	5	0
Roches Point	1025.1	+1	SW	3	bc	61	92	8	2500	Cu	1	CiCu	4	•
Pembroke (St. Ann's H.)	1026.8	+1	WSW	3	c	61	85	8	1500	StCu	8	-	8	•
Ross-on-Wye	1024.6	0	WSW	3	b	79	35	8	-	-	0	-	0	0
Leafield	1025.3	-1	SW	3	b	78	35	8	-	-	0	-	0	0
Winchester (Worthy Dn.)	1025.8	-1	W	2	b	81	35	8	-	-	0	-	0	0
S. Farnborough	1025.7	0	W	1	b	82	25	8	-	-	0	-	0	0
London (Kew Obsy.)	1025.8	-1	WSW	2	b	79	25	8	-	-	0	-	0	0
Croydon	1025.6	-1	W	2	b	81	35	8	-	-	0	-	0	0
Shoeburyness	1025.8	-1	SW	1	b	82	65	7	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1025.8	-1	S	4	b	75	55	8	-	-	0	-	0	0
Lympne	1026.1	-1	SE	2	b	74	55	7	-	-	0	-	0	0
Scilly (St. Mary's)	1028.0	0	SW/S	2	b	67	75	7	-	-	0	ASt	1	•
Falmouth (Pendennis)	1027.8	-1	SSE	2	b	65	85	7	800	St	2	-	2	•
Plymouth (Cattewater)	1027.4	0	SSW	3	b	65	75	8	-	-	0	-	0	0
Portland Bill	1026.9	0	W	2	b	67	75	8	2500	St	1	-	1	•
Southampton (Calshot)	1026.3	0	SW	2	b	79	45	8	-	-	0	-	0	0
Dungeness	1027.4	-2	SSW	1	bf	71	65	7	-	-	0	-	0	•
Guernsey (Fort George)	1027.2	0	NNE	1	bz	68	35	9	-	-	0	-	0	•

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

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	1005.5	-1	SW	4	c	59	85	7	2500	StCu	9	-	9	6
Stornoway	1008.4	+2	SW	7	c	59	85	7	1500	St	9	-	9	3
Wick	1010.1	+1	SSW	5	c	64	85	8	2500	StCu	6	CiSt	8	•
Tiree	1015.4	+3	WSW	6	od	57	97	6	450	Nb	10	-	10	4
Nairn	1011.6	•	SW/W	7	bc	66	75	8	4000	CuNb	7	-	7	•
Aberdeen	1014.5	0	SW	5	b	67	65	7	2500	Cu	1	CiCu	2	3
Malin Head	1018.0	+2	SW	5	c	61	97	7	4000	StCu	9	-	9	3
Renfrew	1018.3	0	W	4	c	65	85	8	4000	St	7	ASt	10	•
Edinburgh (Inchkeith)	1017.1	-2	SW	4	c	66	75	8	4000	Cu	4	ASt	8	2
Leuchars	1016.8	-1	SSW	4	c	68	75	8	1500	StCu	9	-	9	•
Eskdalemuir	1020.8	0	SSW	5	bc	59	85	7	1500	Cu	1	ACu	3	•
Tynemouth	1020.6	0	S	2	b	71	55	7	-	-	0	-	0	0
Blacksod Point	1018.2	+1	S	4	opr	58	95	7	•	Nb	10	-	10	5
Donaghadee	1019.7	0	SSE	2	b	67	75	8	-	-	0	-	0	1
Birr Castle	1021.0	•	S	4	b	74	45	7	-	-	0	-	0	•
Holyhead	1023.3	-1	SW	5	bc	58	92	8	800	St	3	-	3	4
Liverpool (Bidston)	1023.3	-1	-	0	b	70	65	8	-	-	0	Ci	1	•
Chester (Sealand)	1023.1	0	SW	3	bv	73	45	9	-	-	0	CiSt	1	•
Harrogate	1022.4	0	SW	3	b	72	65	7	-	-	0	CiCu	1	•
Spurn Head	1022.5	-1	W	4	b	73	55	7	-	-	0	-	0	0
Birmingham (Edgbaston)	1024.1	-1	SW	3	b	78	35	8	-	-	0	-	0	•
Cranwell	1023.6	-1	SW/W	3	b	79	45	8	-	-	0	-	0	•
Gorleston	1024.6	-1	S	3	b+	68	75	6	-	-	0	CiCu	2	0
Valentia (Cahirciveen)	1023.0	-1	S	4	bc	64	85	8	1500	StCu	6	-	6	3
Roches Point	1024.4	-1	SW	2	b	59	92	8	-	-	0	CiCu	1	0
Pembroke (St. Ann's H.)	1026.0	-1	S	2	b	59	92	8	1500	Cu	1	CiCu	2	1
Ross-on-Wye	1023.9	-1	WSW	3	b	77	35	8	-	-	0	-	0	•
Leafield	1024.4	-2	W/S	2	bv	77	45	9	-	-	0	-	0	•
Winchester (Worthy Dn.)	1024.8	-1	W/N	3	bv	80	35	9	-	-	0	-	0	•
S. Farnborough	1024.6	-1	W	1	b	82	25	8	-	-	0	-	0	•
London (Kew Obsy.)	1024.2	-2	NW	1	b	85	25	8	-	-	0	-	0	•
Croydon	1024.3	-2	NW/N	2	b	83	25	8	-	-	0	-	0	•
Shoeburyness	1024.4	-1	SE	2	b	76	75	7	-	-	0	-	0	•
Clacton-on-Sea	1024.5	-2	SE	1	b	71	65	6	-	-	0	-	0	1
Felixstowe	1024.7	-2	S	2	b	72	75	8	-	-	0	-	0	3
Lympne	1024.7	-1	SE/S	1	b	74	55	7	-	-	0	-	0	•
Scilly (St. Mary's)	1026.1	-2	N/W	0	b	66	85	8	-	-	0	-	0	1
Falmouth (Pendennis)	1026.9	-1	W	3	b	68	65	8	4000	StCu	1	-	1	0
Plymouth (Cattewater)	1025.9	-2	SSW	1	b	65	75	8	-	-	0	-	0	0
Portland Bill	1024.9	-2	W	2	b	64	75	8	-	-	0	-	0	0
Southampton (Calshot)	1024.7	-1	SW	3	b	76	55	8	-	-	0	-	0	0
Dungeness	1025.1	-3	SW	1	b	72	65	7	-	-	0	-	0	1
Guernsey (Fort George)	1025.7	-3	NNW	1	vb	66	55	9	-	-	0	-	0	0

LONDON OBSERVATIONS. Day 7h-18h., Kew & Croydon. 9h-18h., Kensington. 9h-21h., other stations.	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 6h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	by	by	bybm(d)	85	57	49	-	-	15.2	•	•	6
Croydon	246	bxy	by	bcbo	85	58	54	-	-	15.2	•	•	•
Greenwich (Royal Obsy.)	149	bxy	bxy	bcmxy	89	56	44	-	-	15.0	29	47	6
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	14.5	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	85	60	•	—		14.9	25	46	•
Regent's Pk. (Botanic Gdns).	158	•	•	•	•	•	•	•	•	14.8	•	•	•
Camden Square	110	bb	b	•	90	62	-	-	-	•	•	52	•
Kensington Palace	80	b	b	•	86	59	63	-	-	•	(At 15h.) 26	46	•
Hampstead Observatory	450	•	•	•	84	62	47	-	-	14.4	•	49.	•

Weather: 24 HOURS ENDED 9h.

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time	Min.	Time
0.6	7h. 15m	Defective	

Kew Observatory Max.	Time	Min.	Time
0.1	15th 7h	<0.1	14th 13h-17h

POLE STAR RECORD at Greenwich Obsy.

Exposure from 14th 21 h. 30 m. to 15th 2 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5 15	5.15	100
δ Ursae Minoris	5.15	5.15	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=Snowing 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.

15th-16th July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3 49	11 55	20 8
	3 50	11 55	20 7
Greenwich	4 2	12 6	20 9
	4 3	12 6	20 8
Wick	3 31	12 18	21 4
	3 32	12 18	21 3
Valentia	4 40	12 47	20 52
	4 43	12 47	20 51

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 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. ro = 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/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.

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.

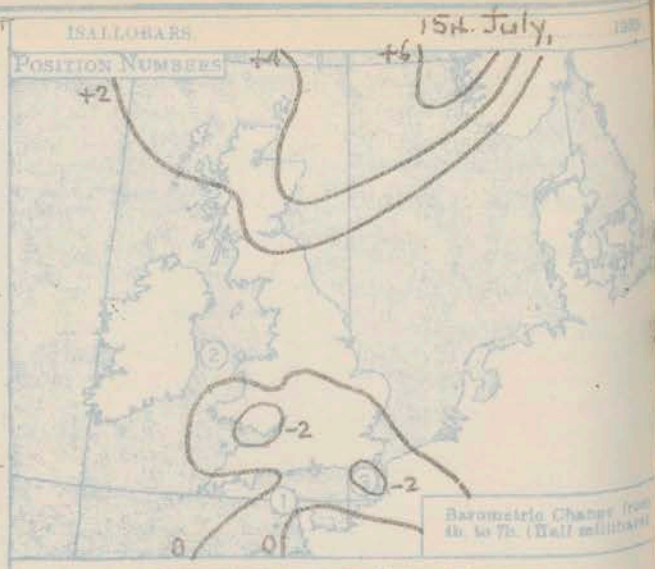
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ „
6. Moderate.	6¼ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m	

† 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.-13h. 14H	Weather. 13h.-18h. 14H	Weather. 18h. 14H to 1h. 15H	Weather. 1h.-7h. 15H	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 14H Hours.
Lerwick	cop°r	coir	c	c	61	49	•	0.4	3.00	Tr.	<21.00	0.0
Stornoway	c-d	c	o	c	61	50	•	0.4	<8.00	–	–	0.0
Wick	c	c	c	co°r	66	51	•	–	–	1	4.30	•
Tiree	q	od°g	opd°	odor°	59	51	50	2	14.30	4	<21.00	0.0
Nairn	beq	qbey	bccd	od	70	54	•	–	–	0.1	5.30	7.5
Aberdeen	bc	bcqb	b	bbcc	73	54	48	–	–	–	–	11.7
Malin Head	ce	ce	ciD	ciD	63	53	•	–	–	1	<21.00	1.0
Renfrew	odcbq	cq	c	cbc	63	57	55	Tr.	<8.00	–	–	2.9
Edinburgh (Inchkeith)	c°	c	c	cbc	67	55	52	–	–	–	–	5.1
Leuchars	oc	cbcc	cbc	bcc	70	58	56	–	–	–	–	3.7
Eskdalemuir	oidm°c	bcbbc	bcomo	omodco	64	53	54	0.1	<8.00	0.1	–	5.2
Tynemouth	bc	bcb	b	bbc	75	57	48	–	–	–	–	•
Blackrod Point	p°o	pp°	r°r°	DD	59	57	•	0.2	•	12	–	•
Donaghadee	bcb	b	b	bbc	71	55	•	–	–	–	–	•
Birr Castle	bcb	b	b	bcc	76	52	42	–	–	–	–	12.9
Holyhead	cbcb	bbc	bccmo	cmo	62	56	54	–	–	–	–	12.3
Liverpool (Bidston)	bvy	vybv	vbbw	bbw	72	57	48	–	–	–	–	14.0
Chester (Sealand)	~~a~~ b	bvy	b	b	77	50	43	–	–	–	–	14.7
Harrogate	bcb	b	b	b	74	53	48	–	–	–	–	14.0
Spurn Head	bcy	by	bcb	b	80	57	•	–	–	–	–	15.0
Birmingham (Edgbaston)	b	b	b	b	81	55	39	–	–	–	–	15.3
Cranwell	b	b	b	b	82	51	46	–	–	–	–	14.9
Gorleston	b3	b3	b3ob	b3	75	59	54	–	–	–	–	15.0
Valentia (Cahirciveen)	cbc	bc	bco ~~bccbc~~ bbcgcc	ocbcc	66	59	57	–	–	–	–	9.2
Roches Point	bc	bcb		ocow	62	55	•	–	–	Tr.	–	•
Pembroke (St. Ann's H.)	c	cbc	bffo	ofjc	62	55	•	–	–	–	–	9.6
Ross-on-Wye	by	by	bvy	bw	81	46	37	–	–	–	–	15.5
Leafield	by	by	b	b	80	52	42	–	–	–	–	15.0
Winchester (Worthy Dn.)	by	bybvy	bvyb	b	84	51	45	–	–	–	–	14.7
S. Farnborough	by	by	byb	bw	85	50	41	–	–	–	–	15.1
London (Kew Obsy.)	by	by	bybw	bmowdc	85	57	49	–	–	–	–	15.2
Croydon	b3°y	by		bc3o	85	58	54	–	–	–	–	15.2
Shoeburyness	b	b	b	bw	84	56	49	–	–	Tr.	–	14.6
Clacton-on-Sea	b3	b3	b3	b3bcm	74	63	55	–	–	–	–	14.5
Felixstowe	b	by	b	bbcmo	77	58	48	–	–	–	–	14.8
Lympne	b3°by	by	b	bbcb3o	78	61	50	–	–	–	–	15.0
Scilly (St. Mary's)	bcb	b	b	bbc	68	54	•	–	–	–	–	13.7
Falmouth (Pendennis)	bcb	b	b	b	70	53	•	–	–	–	–	14.0
Plymouth (Cattewater)	b	b	b	bw	68	53	45	–	–	–	–	14.8
Portland Bill	b	b	bv	b	68	62	•	–	–	–	–	•
Southampton (Calshot)	by	byv	byb	b	84	57	48	–	–	–	–	15.3
Dungeness	bmffb	byb	bic	4cbcy	76	61	•	–	–	–	–	•
Guernsey	bv	bv	b	b	71	59	•	–	–	–	–	15.0

ISALLOBARS. POSITION NUMBERS. 15th July, 1928.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility
3	15th 1h	Brighton	N	2	bc	63	61	7
1	14th 12h	St. Julian	NNE	2	c	62	59	7
2	14th 10h	Hibernia	SWS	4	c	57	55	7

GENERAL INFERENCE.

The belt of high pressure extending from the south of Ireland to Germany persists while a shallow secondary depression over Northwest Ireland is filling up. Weather will be fine and very warm except in the North west where conditions will be cloudy with further drizzle for a time, though an improvement will occur in these districts later.

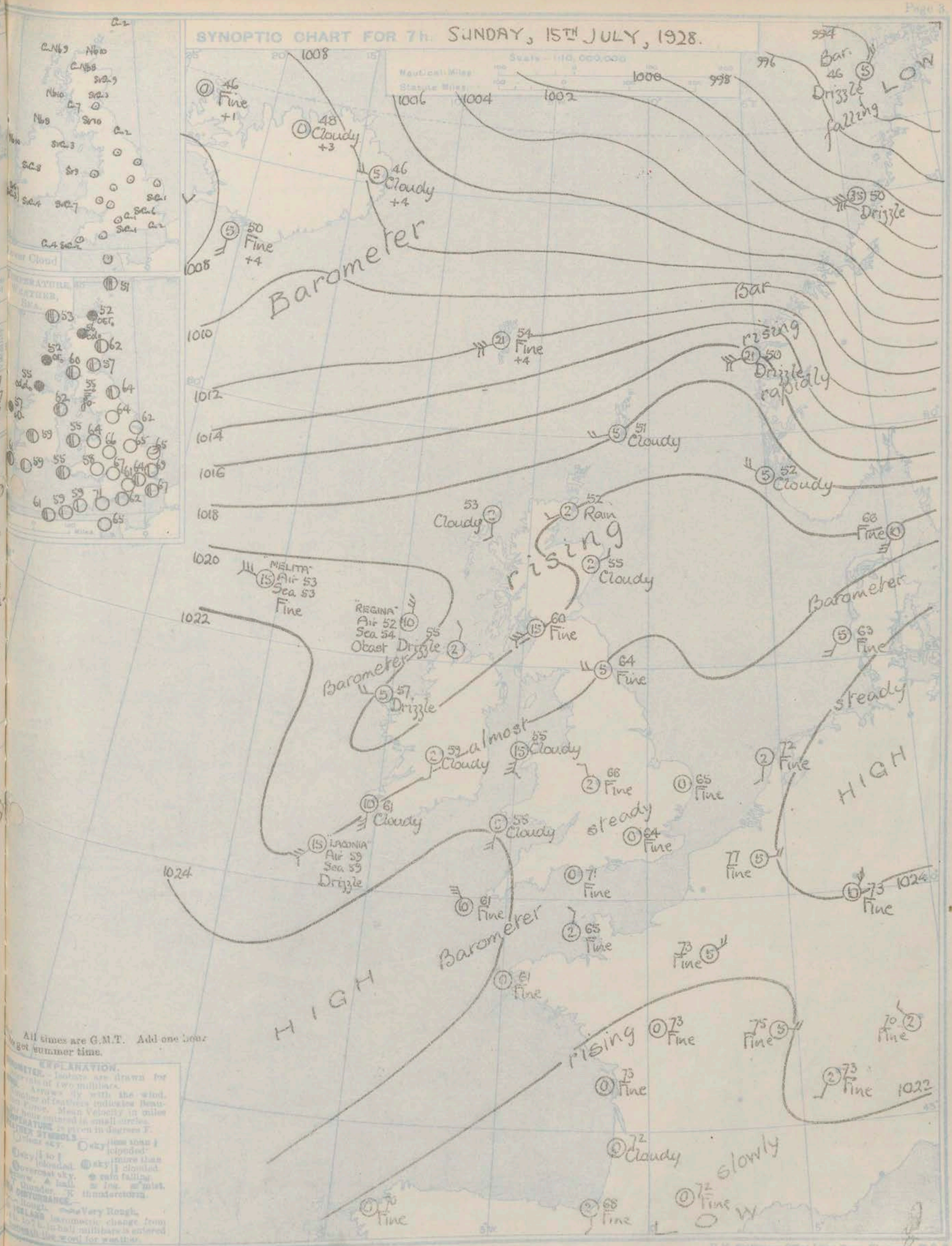
Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Sunday, 15th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light variable wind; fine or fair; local morning mist; very warm.	Little change indicated.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light or moderate S.W. or variable winds; fair; local morning mist or fog; warm.	
9. N. Midlands 10. N.E. England	As 1 - 4.	
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	As 5 - 8.	
13 A. W. Scotland 13 B. N.W. Scotland 14. Mid-Scotland	Light variable winds; cloudy, some drizzle, particularly on coasts, improving later; temperature moderate or rather warm.	
15. N.E. Scotland	As 5 - 8.	
16. Orkneys and Shetlands	As 13A. and B.	
17. N.W. Ireland		
18. N.E. Ireland 19. S.E. Ireland	As 5 - 8.	
20. S.W. Ireland	As 13A. and B.	

L.T.L.

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.



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

EXPLANATION.

BAROMETER. – Isobars are drawn for every interval of two millibars. 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. ▲ hail. ≈ fog. ≡ mist. ⚡ thunderstorm. ⚡ Thunder. K thunderstorm.

SEA DISTURBANCE

Rough. Very Rough.

ISOBARS barometric change from 1 to 3 in half millibars is entered beneath the word for weather.

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.... Sunday, 15th July ....1928. No. 197.

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. 15th													Observations at 7h. G.M.T. 15th													
Lerwick	54	1010·3	+11	SW	8	c	51	75	8	2500	Cu	6	aSt	9	1016·9	+4	W	2	c	51	75	8	2500	Cu	2	aSt	8	1
Stornoway	30	1017·2	+4	SW	2	c	*	*	6	*	*	*	*	9	1018·6	+2	S	1	c	53	92	7	4000	CuNb	9	–	9	0
Wick	81	1017·2	+7	WSW	1	c	53	92	8	2500	StCu	5	CiSt	8	1019·7	+3	WSW	6	ofro	52	97	8	1500	Nb	10	–	10	0
Tiree	33	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·2	+1	NNE	1	oro	52	97	7	220	Nb	10	–	10	1
Nairn	23	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·3	*	W	1	cdo	56	75	7	4000	CuNb	8	–	8	*
Aberdeen	45	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·5	+4	ENE	1	c	55	85	8	2500	StCu	9	–	9	0
Malin Head	81	1022·2	0	SW	2	c/r	58	97	6	5700	Nb	9	–	9	1019·2	0	NNE	1	cdod	55	97	6	4000	Nb	8	aSt	10	1
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·9	0	SW	4	bc+	60	85	8	4000	Cu	7	–	7	*
Edinburgh (Inchkeith)	180	1018·2	+1	WSW	3	c–	59	85	8	1500	Cu	8	–	8	1020·1	+3	W	2	bc	57	92	8	–	–	0	ACu	4	0
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·0	+2	SW	2	bc	62	75	7	1500	StCu	3	ACu	7	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·4	0	SW'S	4	fo–	55	97	4	<150	St	10	–	10	*
Tynemouth	87	1021·0	0	S	1	b	58	75	7	–	–	0	–	0	1022·3	+1	W	2	bc	64	75	7	1500	Cu	2	ACu	4	0
Blacksod Point	18	1018·6	0	S	4	oR	58	92	5	*	Nb	10	–	10	1018·8	0	W	2	oD	57	92	6	*	Nb	10	–	10	4
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·7	+1	WSW	2	bc+	62	85	8	4000	StCu	3	ACu	4	1
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·8	*	S	1	c+	59	85	7	4000	StCu	8	–	8	*
Holyhead	26	1022·9	0	S'W	4	o	57	97	6	800	St	10	–	10	1022·5	+1	SSW	4	c	65	92	6	800	St	9	–	9	2
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·1	0	–	0	b	64	65	8	–	–	0	–	0	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·9	0	SE'S	1	b	61	75	8	–	–	0	–	0	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·2	0	SW	3	b	64	65	7	–	–	0	–	0	*
Spurn Head	29	1022·8	0	W	2	b	61	75	7	–	–	0	–	0	1022·4	0	W'S	2	b	62	75	7	–	–	0	–	0	0
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·5	–1	NNW	1	b	66	55	8	–	–	0	–	0	*
Cranwell	236	1024·3	0	W	3	b	60	75	7	–	–	0	–	0	1023·3	0	W'S	2	b	65	65	8	–	–	0	–	0	*
Gorleston	14	1024·6	0	SSW	1	b	62	85	6	–	–	0	–	0	1024·4	0	–	0	b	65	75	6	–	–	0	–	0	0
Valentia (Cahirciveen) ¶	30	1022·7	0	S	4	c	59	97	7	–	–	0	aSt	10	1022·0	0	S'W	3	c	61	85	8	800	St	9	–	9	2
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·1	0	SW	1	bc	59	92	8	1500	StCu	4	CiCu	6	0
Pembroke (St. Ann's H.)	160	1024·7	0	SE	2	ffo	57	97	2	220	St	10	–	10	1023·6	–1	SSW	2	c–	55	97	7	1500	StCu	7	aSt	9	1
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1025·3	–2	WSW	2	b	58	75	9	–	–	0	–	0	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·4	–1	–	0	b	67	65	9	–	–	0	–	0	*
Winchester (Worthy Dn.)	273	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·2	–1	NNW	2	b	64	66	7	–	–	0	–	0	*
S. Farnborough	220	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·1	–1	NNW	1	b	61	75	7	5700	Cu	1	–	1	*
London (Kew Obsy.)	18	*	*	*	*	*	62	*	*	*	*	*	*	*	1023·3	–1	–	0	bc–	64	75	6	4000	StCu	6	–	6	*
Croydon	244	1025·0		NW'W	2		61	75							1023·5	0	NW	2	bc	67	65	6	5700	Cu	4	–	4	*
Shoeburyness	21	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·2	–1	–	0	b	68	92	7	–	–	0	–	0	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·2	–2	NE	2	bc	67	85	6	2500	Cu	5	–	5	1
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·2	0	–	0	b	69	75	6	4000	StCu	1	–	1	0
Lympne	350	1024·8	0	NE	1	b	62	75	7	–	–	0	–	0	1022·0	–1	ENE	3	b–	73	65	6	–	–	0	ACu	1	*
Scilly (St. Mary's)	163	1025·7	–1	NE'E	2	b	57	97	8	–	–	0	–	0	1024·7	+1	NW'N	3	bc+	61	92	8	4000	Cu	4	–	4	1
Falmouth (Pendennis)	200	1025·1	0	N'E	12	b	56	85	8	–	–	0	–	0	1024·5	0	N'E	2	b	59	75	8	4000	StCu	2	–	2	0
Plymouth (Cattewater)	85	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·9	0	–	0	b	59	85	8	–	–	0	Ci	1	0
Portland Bill	32	1024·0	–2	N'W	3	b	66	45	8	–	–	0	–	0	1022·7	0	–	0	b	71	45	8	–	–	0	–	0	0
Southampton (Calshot)	10	1024·7	0	–	0	b	61	75	8	–	–	0	–	0	1023·0	–1	NW	2	b	62	65	7	5700	StCu	1	–	1	0
Dungeness	30	1025·1	0	NNE	1	bc+	62	85	7	2500	Cu	3	–	3	1025·1	–2	ENE	2	bc	67	75	6	2500	Cu	2	Ci	3	0
Guernsey (Fort George) ¶	298	1024·2	–1	–	0	b–	58	75	8	–	–	0	–	0	1023·3	–1	NNE	1	b	65	65	8	–	–	0	–	0	0

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

Stations (1)	Weather Fore-noon (2)	Weather After-noon (3)	Temperature Min. 9h.-13th to 9h. 14th (4) °F.	Temperature Max. 9h.-17h. 14th (5) °F.	Rainfall Night 17h.-9h. 13th-14th (6) mm.	Rainfall Day 9h.-17h. 14th (7) mm.	Sunshine Sunrise to 17h. 14th (8) hr.	Sunshine Sunrise to Sunset 13th (9) hr.
Berwick-on-Tweed	c	b	57	70	–	–	10·6	6·8
Douglas (I. o. M.)	bbc	bco	54	60	–	–	9·7	4·0
Llandudno	b	b	55	71	–	–	11·0	14·4
Colwyn Bay	b	b	57	72	–	–	12·0	14·8
Rhyl	b	b	57	73	–	–	12·3	14·8
Wallasey	b	b	55	72	–	–	11·8	14·8
Southport	b	b	*57	68	–	–	12·0	14·1
Blackpool	bc	bcb	58	66	–	–	11·5	9·1
Ilkley	b	b	54	76	–	–	9·5	12·4
Cleethorpes	b	b	56	83	–	–	12·8	13·3
Skegness	bcb	b	55	81	–	–	12·2	10·6
Aberystwyth	bc	b	57	66	–	–	10·5	13·0
Bath	b	b	55	76	–	–	12·2	11·2
Cheltenham‡	b	bvy	54	80	–	–	11·7	10·3
Leamington Spa	b	b	54	82	–	–	12·0	11·8
Lowestoft	b	b	59	76	–	–	11·5	13·0
Harwich & Dovercourt	bm	bm	58	73	–	–	12·5	14·5
Maldon	b	b	53	85	–	–	12·5	14·5
Southend	b	b	59	85	–	–	12·4	14·3
Ilfracombe	b	b	57	65	–	–	12·0	12·0
Bude	bc	bcb	55	66	–	–	12·3	11·3
Penzance	b	b	54	71	–	–	11·7	13·3
Paignton	b	by	51	78	–	–	12·3	11·9
Torquay	b	by	53	78	–	–	12·3	10·9
Jersey	b	b	54	77	–	–	12·0	14·3
Weymouth	b	by	54	71	–	–	12·7	9·6
Bournemouth	b	b	55	81	–	–	12·0	8·6
Ventnor	by	b	56	76	–	–	12·2	14·2
Portsmouth (S'thsea)	b	b	55	82	–	–	12·6	12·1
Bognor	b	b	55	73	–	–	12·6	14·8
Littlehampton	b	b	51	72	–	–	12·6	15·0
Worthing	b	b	53	72	–	–	12·5	15·0
Brighton	b	b	58	75	–	–	12·1	14·9
Eastbourne	b	by	57	82	–	–	12·6	15·2
Hastings‡	b	b	59	78	–	–	12·8	15·3
Folkestone	ofbcf	bcfby	55	73	–	–	8·9	14·8
Dover	fbc	bcb	57	75	–	–	7·3	14·9
Tunbridge Wells	b	b	54	84	–	–	12·6	14·9
Ramsgate	b	b	59	72	–	–	12·4	14·8
Margate	b	b	62	73	–	–	12·4	14
Deal	b	b	57	81	–	–	12·6	15·2

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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 9h.-17h., the minimum for the period 21h.-9h. ® 17h. 9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24343 Monday, 16th July 1928. Page 1.

Observations at 18h. 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	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground.
Lerwick	1019.3	+2	W'S	2	c	56	65	8	2500	Cu	6	Ci	8	•
Stornoway	1020.2	+1	S	1	c+	57	85	7	4000	Cu.Nb	9	-	9	•
Wick	1021.7	+3	S	1	c	53	97	8	1500	Nb	5	A.St	8	•
Tiree	1020.8	+2	N	3	c-	56	85	8	1500	St	9	-	9	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1020.6	0	ENE	2	of₀	54	85	8	1500	Nb	10	-	10	0
Malin Head	1020.2	+1	NW	2	od₀d₀	57	97	5	2500	Nb	10	-	10	•
Renfrew	1020.4	0	WSW	4	cf₀	64	75	8	4000	StCu	5	A.St	10	1
Edinburgh (Inchkeith)	1018.8	-1	W	3	c	65	65	8	4000	Cu	3	A.Cu	8	•
Leuchars	1019.6	-1	SW	3	c	68	65	8	4000	Cu.Nb	7	A.Cu	9	0
Eskdalemuir	1020.6	0	SSW	4	bc	63	75	7	2500	Cu	7	-	7	1
Tynemouth	1020.3	-1	ESE	1	b	65	75	7	1500	Cu	2	-	2	•
Blacksod Point	1022.3	+3	NW	4	bc	57	85	9	•	StCu	7	-	7	•
Donaghadee	1020.6	0	SW	2	c-	65	75	8	4000	StCu	5	A.St	8	•
Birr Castle	1020.7	•	S	1	c	65	75	8	4000	StCu	9	-	9	•
Holyhead	1023.0	+1	SSW	4	bc-	61	85	8	800	St	6	-	6	0
Liverpool (Bidston)	1022.8	0	NW'N	3	bτ	63	75	7	4000	Cu	1	-	1	•
Chester (Sealand)	1021.9	-1	NW	4	bτ	70	75	7	4000	Cu	1	-	1	0
Harrogate	1021.3	0	SW	3	b	74	45	8	4000	Cu	1	-	1	•
Spurn Head	1021.8	0	SE'E	3	b-	69	75	7	5700	StCu	2	-	2	•
Birmingham (Edgbaston)	1021.9	-1	WSW	3	b	80	35	8	-	-	0	-	0	0
Cranwell	1022.0	-2	W'S	3	b	83	45	8	-	-	0	-	0	0
Gorleston	1022.3	-2	NE	1	bc	72	65	6	4000	Cu	3	-	3	•
Valentia (Cahirciveen)	1023.4	+2	WSW	3	o	61	97	6	450	St	10	-	10	1
Roches Point	1023.7	0	SW	3	c	61	92	8	2500	StCu	9	-	9	•
Pembroke (St. Ann's H.)	1024.2	0	S'W	3	b-	62	85	7	1500	Cu	1	-	1	•
Ross-on-Wye	1021.6	-1	SW	3	b	82	25	7	-	-	0	-	0	0
Leafield	1021.8	-2	WNW	2	b	81	35	9	-	-	0	-	0	0
Winchester (Worthy Dn.)	1021.9	-1	NNW	2	b	84	35	8	-	-	0	-	0	0
S. Farnborough	1021.9	-1	W	1	b	86	35	7	-	-	0	-	0	0
London (Kew Obsy.)	1021.7	-2	N	2	b	81	35	7	-	-	0	Ci.St	1	0
Croydon	1021.6	-1	NNW	2	b	84	35	6	-	-	0	-	0	0
Shoeburyness	1021.4	-1	E	2	bct	79	75	6	5700	StCu	4	-	4	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1021.6	-2	NE'E	1	bc	80	45	7	4000	StCu	5	-	5	0
Lympne	1021.7	-1	SSE	2	bc-	79	65	6	4000	Cu	4	-	4	0
Scilly (St. Mary's)	1025.6	+1	N	3	b	66	75	8	4000	Cu	2	-	2	•
Falmouth (Pendennis)	1024.7	0	NNW	2	b	72	65	8	-	-	0	-	0	•
Plymouth (Cattewater)	1023.7	0	S	1	b	72	65	8	4000	Cu	1	-	1	0
Portland Bill	1022.7	0	NW	1	b	70	55	8	-	-	0	-	0	•
Southampton (Calshot)	1022.2	-1	SSW	2	b	84	45	8	-	-	0	-	0	0
Dungeness	1022.0	-1	SW	2	bct	74	75	6	1500	Cu	4	Ci.St	7	•
Guernsey (Fort George)	1023.6	0	NW	2	b	70	45	8	-	-	0	-	0	•

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	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea. 0-9
Lerwick	1020.6	0	W'S	1	bc	58	65	8	2500	Cu	3	A.St	4	•
Stornoway	1021.5	+1	N	2	c	58	75	7	4000	Cu.Nb	8	-	8	1
Wick	1021.6	+1	S	1	c	53	92	8	1500	Nb	6	A.St	8	0
Tiree	1022.6	+1	NNW	2	b-	57	85	9	2500	Cu	1	-	1	1
Nairn	1021.6	•	-	0	c	55	92	7	1500	St	8	-	8	•
Aberdeen	1021.7	+1	NE	3	o	52	92	7	1500	Nb	10	-	10	0
Malin Head	1024.1	+3	NW	3	bc-	55	92	7	5700	StCu	2	A.Cu	7	1
Renfrew	1021.0	0	WSW	4	c	61	85	8	1500	StCu	10	-	10	•
Edinburgh (Inchkeith)	1021.2	+1	WSW	3	c	60	85	7	1500	St	4	A.St	9	1
Leuchars	1020.3	+1	SW	3	c	62	85	8	1500	Nb	3	A.St	9	•
Eskdalemuir	1021.5	0	SW'W	3	cd₀	58	92	6	1500	Nb	6	A.St	10	•
Tynemouth	1020.2	+1	W	3	bct	69	65	7	1500	Cu	2	A.Cu	3	0
Blacksod Point	1024.5	+3	N	3	bc	58	75	9	•	Cu	6	-	6	3
Donaghadee	1022.0	+2	WSW	2	bc/pr₀	62	92	8	2500	Cu.Nb	6	-	6	1
Birr Castle	1022.3	•	W	2	bc-	65	85	8	2500	Cu	4	Ci	7	•
Holyhead	1023.2	0	SSW	4	bc-	59	92	8	4000	StCu	6	A.Cu	6	1
Liverpool (Bidston)	1022.8	0	W	4	b	65	75	8	2500	Cu	1	-	1	•
Chester (Sealand)	1022.4	0	W'N	4	b	69	55	8	4000	Cu	1	A.Cu	1	•
Harrogate	1021.7	0	SW	4	b	68	65	8	-	-	0	A.Cu	1	•
Spurn Head	1020.2	-1	SE	3	b	64	75	8	[illegible]	-	0	-	0	0
Birmingham (Edgbaston)	1021.4	0	W	3	b	79	35	8	-	-	0	-	0	•
Cranwell	1021.2	0	NW'W	4	b	81	35	8	-	-	0	-	0	•
Gorleston	1020.9	-2	-	0	b	70	55	6	-	-	0	-	0	0
Valentia (Cahirciveen)	1025.4	+2	NW'N	4	c	58	85	8	800	St	8	-	8	3
Roches Point	1024.2	0	W	2	c	58	97	8	1500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1024.2	0	S'W	3	b	61	85	8	2500	Cu	1	-	1	1
Ross-on-Wye	1021.4	0	W	3	bv	79	35	9	4000	Cu	1	-	1	•
Leafield	1021.7	-1	W	3	b	78	45	8	-	-	0	-	0	•
Winchester (Worthy Dn.)	1021.6	0	W	4	b	80	35	8	-	-	0	-	0	•
S. Farnborough	1021.4	0	W'N	3	b	82	35	7	-	-	0	-	0	•
London (Kew Obsy.)	1021.1	0	NW'W	2	b	87	25	8	-	-	0	-	0	•
Croydon	1020.6	0	NW'W	3	b	85	35	8	-	-	0	-	0	•
Shoeburyness	1020.6	-1	E	1	b	79	85	6	-	-	0	-	0	•
Clacton-on-Sea	1020.5	-2	E	1	b	72	75	6	-	-	0	-	0	0
Felixstowe	1020.8	-1	NE	1	b	72	75	7	-	-	0	-	0	0
Lympne	1020.7	+1	S	1	b	78	75	6	4000	Cu	1	-	1	•
Scilly (St. Mary's)	1025.0	0	NW'W	3	b	64	75	8	-	-	0	-	0	1
Falmouth (Pendennis)	1025.6	0	NW'N	3	bt	65	85	8	4000	Cu	2	-	2	0
Plymouth (Cattewater)	1024.1	+1	NNW	4	b	70	55	9	-	-	0	-	0	0
Portland Bill	1022.7	0	W	1	b	69	65	8	-	-	0	-	0	0
Southampton (Calshot)	1021.5	0	NW'W	4	b	81	35	8	-	-	0	-	0	0
Dungeness	1021.2	-1	WSW	2	bc-	68	75	6	2500	StCu	4	-	4	1
Guernsey (Fort George)	1023.7	-1	WNW	3	b	68	65	9	-	-	0	-	0	1

LONDON OBSERVATIONS. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 9h-21h, other stations.	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.	Humidity 15h. G.M.T. % (Yesterday)	9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	b3₀y	by	bf₀my3	87	58	41	-	-	13.6	•	•	7
Croydon	246	bcb₃y	b₃y	byb3₀	87	51	49	-	-	13.8			
Greenwich (Royal Obsy.)	149	by3	by3	bmy3	81	59	49	-	-	13.6	32	55	6
City (Bunhill Row)	50				•	•	•	•	•	12.3	•	•	•
Westminster (St. James' Pk.)	97	•	•	•	88	62	56	-	-	13.0	37	58	•
Regent's Pk. (Botanic Gdns).	168	•	•	•						14.8	•		•
Camden Square	110	b	b	•	92	61	-	-	-	•	•	63	•
Kensington Palace	80	b	b	•	78	61	53	-	-	•	(At 18h) 28	58	•
Hampstead Observatory	450	•	•	•	97	58	44	-	-	12.6	•	64	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington			
Max.	Time.	Min.	Time.
0.6	8h. 15th	<0.3	19h. 15th

Kew Observatory			
Max.	Time.	Min.	Time.
0.1	4h. 16th	<0.1	14h. 15th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 15th 21 h. 30 m. to 16th 2 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.15	5.15	100
δ Ursae Minoris	5.15	5.15	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 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 & 17th July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.50 3.52	11.59 11.59	20.07 20.06
Greenwich	4.03 4.04	12.06 12.06	20.08 20.07
Wick	3.32 3.34	12.18 12.18	21.03 21.01
Valentia	4.42 4.43	12.47 12.47	20.51 20.50

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—2000 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, wherever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—b/r as 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.	

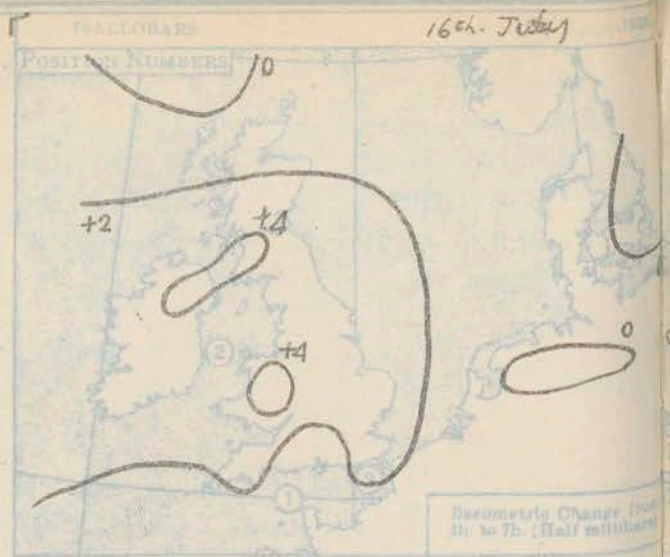
† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 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	c	cbc	bc	bc	58	50	•	–	–	–	–	10·3
Stornoway	c	c	bbc	bbc	61	48	•	–	–	Tr	5·30	6·2
Wick	or₀rc	c	cpr₀c	bbc	53	44	•	0·4	<8·00	0·1	22·00	•
Tiree	r₀o	oc bc	bcb	bbc	58	48	40	0·5	<8·00	–	–	5·8
Nairn	cr	c	cprbc	bc	56	52	•	2	<8·00	0·2	<21·00	0·0
Aberdeen	cor₀	orro	oiDm₀c	bc	58	43	45	1	12·30	0·4	<21·00	0·0
Malin Head	cirm₀od₀	od₀d₀bc	bcbc	bbc	59	49	•	3	<8·00	–	–	0·7
Renfrew	c	or₀r₀c	od₀b	b	66	47	38	0·3	12·30	Tr	<21·00	3·9
Edinburgh (Inchkeith)	bcc	rrc	bcc	cbc	68	50	48	2	14·30	–	–	7·0
Leuchars	bcc	c₀r₀rc	c	circ	71	52	52	1	14·30	0·1	3·30	4·5
Eskdalemuir	omc bc	cpr cm₀id₀	cid₀cm₀	cm₀bcbw	64	41	36	0·2	16·30	Tr	<24·00	6·1
Tynemouth	bcb	b	bc	bcc	70	55	48	–	–	–	–	•
Blacksod Point ...	oc	cbc	bcb	c	59	48	•	0·1	•	–	•	•
Donaghadee	bcc	bcpr₀	pr₀bc	bc	67	46	•	1	14·30	Tr	<21·00	•
Birr Castle	c	pr₀bc	c	cm₀	67	43	34	1	14·30	–	–	2·7
Holyhead	cbcm₀bc	bc	bcvc	cbcw	63	54	51	–	–	–	–	10·2
Liverpool (Bidston) ...	b-bc	b	bbcc	c	65	55	57	–	–	–	–	14·1
Chester (Sealand) ...	b	b	bc	c	76	56	55	–	–	–	–	14·6
Harrogate	b	b	b	bw	75	54	48	–	–	–	–	15·5
Spurn Head	b	b	b	bbc	76	58	•	–	–	–	–	15·3
Birmingham (Edgbaston)	b	b	b	bbc	83	56	49	–	–	–	–	15·3
Cranwell	b	b	b-bc	bm₀	85	54	52	–	–	–	–	15·1
Gorleston	b bcz₀	bcbz₀y	b	b	75	57	53	–	–	–	–	13·9
Valentia (Cahirciveen)	coidald	oid₀c	cbc	cbcb	61	51	46	0·5	9·00	–	–	0·9
Roches Point	bcc	cim₀c	cp₀bcb	bcv	65	54	•	–	–	Tr	<21·00	•
Pembroke (St. Ann's H.)	cbc	b-bc	bbccoff	off	63	57	•	–	–	–	–	12·6
Ross-on-Wye	by	by	byyb	bwcbc	83	52	46	–	–	–	–	15·2
Leafield	byv	by	bw	b	83	49	45	–	–	–	–	15·3
Winchester (Worthy Dn.)	by	by	by	b	86	51	43	–	–	–	–	15·0
S. Farnborough ...	by	by	byb	bwbm₀	88	49	37	–	–	–	–	14·1
London (Kew Obsy.) ...	bz₀y	by	by	bm₀wb	87	58	47	–	–	–	–	13·5
Croydon	bcbz₀y	bz₀y	by	bz₀	87	57	49	–	–	–	–	13·8
Shoeburyness	bbcm₀	bcbm₀	bm	bz	81	56	45	–	–	–	–	13·5
Clacton-on-Sea ...	bcmyz	bcybz	bz	bzb	77	58	55	–	–	–	–	13·4
Felixstowe	bbcy	b	b	bw	80	58	48	–	–	–	–	13·3
Lympne	bcz₀	bcbz₀	bz₀b	blm₀	82	59	64	–	–	–	–	12·4
Scilly (St. Mary's) ...	bcb	b-bc	bbcc	c	68	58	•	–	–	–	–	13·8
Falmouth (Pendennis)	b	b	bbcc	com₀d₀	74	58	•	–	–	Tr	3·30	15·2
Plymouth (Cattewater)	by	byv	byy	bwc	77	59	55	–	–	–	–	14·8
Portland Bill	b	b	bl	bcb₃₀	72	56	•	–	–	–	–	•
Southampton (Calshot)	byz₀	b-bc	by b	bbwb	88	55	52	–	–	Tr	–	14·4
Dungeness	bcbcz₀	bc bcz	bczbz	b₃b₃yb₃	76	59	•	–	–	–	–	•
Guernsey	b	byv	bq	bw	73	56	•	–	–	–	–	14·8

16th. July



Observations from Cross Channel Steamers.

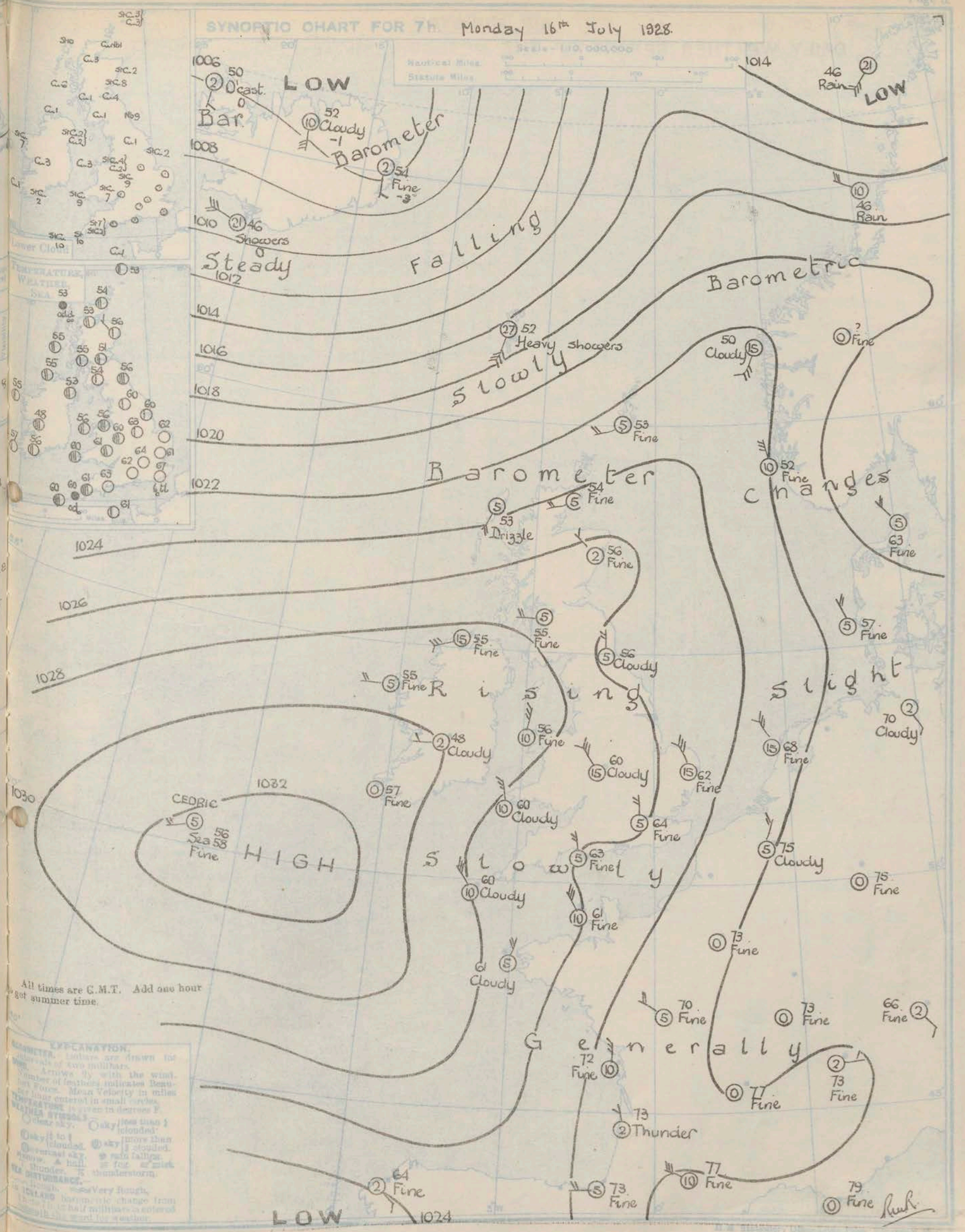
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Pressure
3	1h 16th	Dieppe	NW	2	bc	60	63	9

GENERAL INFERENCE

An anticyclone will remain practically stationary off Southwestern Ireland while a ridge of high pressure extending northeastwards from it to Southern Scandinavia will move slowly southeastwards. Weather will be mainly bright in all districts but thunderstorms will develop locally. Temperature will become higher than of late in Scotland and Ireland but will not be so high over England.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Monday, 16th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light to moderate northerly or variable winds; mainly bright but more cloud than of late and chance of local thunderstorms; local morning mist; cooler.	
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light variable winds, mainly bright; local thunder, showers in coastal districts; some coastal mist or fog in morning; rather warm.	Similar.
9. N. Midlands 10. N.E. England	As 1 - 4.	
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13 (A. W. Scotland, B. NW Scotland) 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Winds mainly between W. and N., fresh locally; considerable bright intervals; local showers and perhaps thunderstorms; local morning mist; warmer than of late.	
19. S.E. Ireland 20. S.W. Ireland	As 5 - 8.	

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


SYNOPTIC CHART FOR 7h. Monday 16th July 1928.
LOW
Bar.
Barometer
Falling
Steady
Slowly
Barometric
Barometer
changes
Rising
Slight
HIGH
CEDRIC
Slowly
Generally
LOW
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
All times are G.M.T. Add one hour for summer time.
EXPLANATION.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Monday 16th July 1928. No. 198

Stations	Height above M.S.L. in feet	Observations at 1h. G.M.T. 16th: 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. 16th: 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	1021.4	+1	W'S	2	bc	61	92	8	2500	Cu	3	ASt	5	1022.6	+1	W'S	2	bc	53	92	8	2500	Cu	16	-	86	•
Stornoway	30	1024.3	+2	NW	2	b-	•	•	8	•	•	•	•	0	1023.7	0	SW	2	odd	53	95	6	1500	St	10	-	10	1
Wick	81	1023.8	+1	W	1	c	47	97	8	1500	CuNb	4	CiSc	8	1024.8	+1	WSW	2	bc	54	85	8	1500	CuNb	1	CiSt	4	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1027.1	+2	WSW	4	bc	55	85	8	2500	Cu	6	-	6	1
Nairn	83	•	•	•	•	•	•	•	•	•	•	•	•	•	1025.4	•	-	0	bc-	53	85	8	4000	Cu	3	-	3	•
Aberdeen	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.2	+2	NW	1	b	56	85	8	4000	StCu	2	ACu	2	0
Malin Head	51	1027.0	+2	W'S	2	b	61	92	8	4000	Cu	2	-	2	1028.5	+1	WSW	4	bc	55	85	8	4000	Cu	1	ACu	3	1
Renfrew	39	•	•	•	•	•	•	•	•	•	•	•	•	•	1027.5	+4	W	2	bv	55	75	9	4000	Cu	1	Ci	2	•
Edinburgh (Inchkeith)	100	1024.7	+4	E	2	c	57	97	8	-	-	0	CiSt	9	1026.5	+3	WSW	3	bc	51	92	7	4000	Cu	4	ACu	6	1
Leuchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.6	+3	W	2	c	56	85	8	1500	StCu	8	-	8	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.9	+3	-	0	b	54	75	8	4000	Cu	1	CiSt	2	•
Tynemouth	67	1023.6	+2	W	1	bc-	58	92	7	1500	Cu	3	-	3	1025.7	+3	N	2	c	56	85	7	1500	Nb	9	-	9	0
Blacksod Point	18	1027.8	+2	-	0	bc	50	92	7	•	Cu	4	-	4	1029.5	+2	W	2	bc	55	85	8	•	StCu	7	-	7	1
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1028.8	+3	WNW	2	bc-	53	85	8	4000	Cu	4	-	4	1
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	1030.0	•	W	1	c+	48	95	6	1500	Cu	3	ASt	8	•
Holyhead	26	1026.6	+5	NE'N	1	c	56	85	8	1500	St	9	-	9	1028.9	+3	NE	3	bc	56	85	8	1500	Cu	3	ACu	3	3
Liverpool (Bidston)	169	•	•	•	•	•	•	•	•	•	•	•	•	•	1028.2	+2	NW	3	c	56	85	8	1500	St	9	-	9	•
Chester (Sealand)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1027.7	+4	NW	4	c	56	85	8	1500	St	9	-	9	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.3	+2	SW	2	b	60	75	8	4000	Cu	1	-	1	•
Spurn Head	29	1023.3	+1	NW	5	b	59	85	7	6700	StCu	1	-	1	1025.6	+3	NNW	2	b	60	85	7	5700	StCu	2	-	2	0
Birmingham (Edgbaston)	630	•	•	•	•	•	•	•	•	•	•	•	•	•	1027.8	+2	NNW	4	c	60	92	6	4000	StCu	9	-	9	•
Cranwell	266	1024.8	+2	NW	2	b	57	92	7	-	-	0	-	0	1026.1	+2	NWN	3	b	63	85	6	-	-	0	ACu	1	•
Gorleston	11	1022.6	+1	NW	3	b	64	75	7	-	-	0	-	0	1024.6	+2	NNW	4	b	62	85	6	-	-	0	-	0	0
Valentia (Cahirciveen)P	30	1023.1	0	WNW	3	bcv-	54	92	9	•	St	6	-	6	1031.0	+2	-	0	bv	57	75	9	2500	Cu	1	-	1	0
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1029.2	+3	N	2	bcy	56	92	9	2500	StCu	2	CuCu	3	0
Pembroke (St. Ann's H.)	160	1025.4	+2	-	0	ffo	57	97	1	220	St	10	-	10	1027.4	+2	N'W	3	c-	60	97	6	800	StCu	9	-	9	0
Ross-on-Wye	227	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.6	+2	NNW	2	bc	61	75	8	4000	StCu	7	-	7	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.4	+3	NW	3	b	61	85	7	-	-	0	ACu	1	•
Winchester (Worthy Dn.)	279	•	•	•	•	•	•	•	•	•	•	•	•	•	1025.6	+1	N	3	b	63	75	8	-	-	0	-	0	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•	1025.7	+1	N	2	b	62	75	6	-	-	0	-	0	•
London (Kew Obsy.)	18	•	•	•	•	•	63	•	•	•	•	•	•	•	1026.2	+2	N	2	b	64	75	6	-	-	0	-	0	•
Croydon	344	1024.2	+1	WNW	2	b	63	65	7	-	-	0	-	0	1025.6	+1	NNE	3	b	64	66	6	-	-	0	-	0	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1025.3	+2	N	3	b	64	85	7	-	-	0	-	0	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.4	+3	N	4	b	61	85	7	-	-	0	-	0	2
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.8	+2	N	4	b	64	75	7	-	-	0	-	0	2
Lympne	150	1022.9	+2	NNW	3	b	61	76	7	-	-	0	-	0	1024.3	+3	N'W	4	b	63	75	7	-	-	0	-	0	•
Scilly (St. Mary's)	163	1027.2	+2	NW	3	c+	59	97	7	4000	StCu	10	-	10	1027.9	+1	NW'N	3	c	60	92	7	4000	StCu	10	-	10	1
Falmouth (Pendennis)	300	1027.3	+1	NNW	2	c-	59	92	8	4000	StCu	10	-	10	1027.5	+1	NW	3	cd	60	97	5	450	St	10	-	10	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1027.4	+2	N	3	c-	61	92	8	800	St	9	-	9	0
Portland Bill	52	1024.5	+1	NW	3	bl	59	85	8	-	-	0	-	0	1025.8	+1	NNW	2	b	63	75	6	-	-	0	-	0	0
Southampton (Calshot)	10	1026.0	+3	NWW	3	b	58	85	8	-	-	0	-	0	1025.7	+1	N	2	b	63	75	8	-	-	0	-	0	0
Dungeness	20	1022.2	+3	NE	1	b-	64	75	6	-	-	0	-	0	1024.2	+3	NNE	3	b+	67	65	6	-	-	0	-	0	2
Guernsey (Fort George) P	236	1026.0	+2	WNW	1	b-	58	92	8	-	-	0	-	0	1026.6	+1	NNW	3	b	61	85	7	1500	Cu	1	-	1	1

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

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. 9h. 14 to 9h. 15 °F	Temperature Max. 9h. 15 to 17h. 15 °F	Rainfall† Night 17h.-9h. 14-15 mm.	Rainfall† Day 9h.-17h. 15 mm.	Sunshine Sunrise to 17h. 15 hr.	Sunshine Sunrise to Sunset 14 hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	bc	bc	55	72	-	-	9.9	10.6
Douglas (I. o. M.)	bc	bcc	54	64	-	-	5.7	10.2
Llandudno	b	b	56	69	-	-	12.3	13.7
Colwyn Bay	b	b	57	71	-	-	12.4	14.3
Rhyl	b	b	54	69	-	-	11.4	15.1
Wallasey	b	b	53	68	-	-	12.2	14.8
Southport	b	b	51	66	-	-	12.4	14.5
Blackpool	cbc	b	61	68	-	-	12.0	13.7
Ilkley	b	b	50	77	-	-	11.7	11.4
Cleethorpes	b	b	52	77	-	-	12.8	15.1
Skegness	b	b	57	77	-	-	11.9	14.7
Aberystwyth	bcb	bbc	51	67	-	-	9.2	13.5
Bath	b	b	48	81	-	-	11.9	15.2
Cheltenham	bbv	bbv	52	84	-	-	12.8	14.6
Leamington Spa	b	b	49	84	-	-	12.5	15.0
Lowestoft	b	b	60	74	-	-	11.1	13.8
Harwich & Dovercourt	bom	bc	61	80	-	-	11.5	14.8
Maldon	b	b	56	86	-	-	11.5	15.0
Southend	b	b	63	83	-	-	10.4	14.6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	b	b	53	63	-	-	10.0	14.9
Bude	bcb	b	47	65	-	-	12.0	15.2
Penzance	b	b	54	73	-	-	11.7	14.3
Paignton	bmb	by	53	84	-	-	12.3	14.9
Torquay	by	bby	57	84	-	-	(12.5)	15.0
Jersey	b	b	58	79	-	-	12.0	15.0
Weymouth	by	by	57	78	-	-	12.6	14.7
Bournemouth	b	b	53	87	-	-	12.5	15.0
Ventnor	bx	bbx	62	83	-	-	11.7	14.3
Portsmouth (S'thsea)	b	b	57	88	-	-	11.6	15.3
Bognor	b	b	62	84	-	-	11.7	15.0
Littlehampton	b	b	60	79	-	-	12.1	15.4
Worthing	b	b	61	82	-	-	11.6	15.3
Brighton	b	b	62	80	-	-	11.6	14.8
Eastbourne‡	b	by	65	85	-	-	11.8	14.8
Hastings‡	bbc	bcb	67	80	-	-	12.0	15.0
Folkestone	bc	bcby	61	84	-	-	10.4	10.9
Dover	zbbc	zbc	60	79	-	-	10.5	9.8
Tunbridge Wells	b	b	59	88	-	-	12.0	15.3
Ramsgate	bcb	b	65	85	-	-	10.4	14.6
Margate	bcb	b	64	83	-	-	10.8	14.8
Deal	b	b	59	87	-	-	10.8	14.7

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. ‡ 17h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24344 Tuesday 17th July 1928. Page 1.

Observations at 13h. G.M.T. 16th

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	1022.4	-1	S	3	cpe	54	85	7	1500	Nb	9	-	9	•
Stornoway	1024.2	+1	W	4	c	59	75	7	4000	CuNb	10	-	10	•
Wick	1024.9	0	SW	2	c	54	92	8	1500	Nb	6	ASt	9	•
Tiree	1028.6	+1	W	4	gb	56 (struck through)	85	8	2500	CuNb	7	ACu	9	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1026.6	0	SSE	3	bc+	59	65	8	2500	StCu	7	-	7	0
Malin Head	1030.0	+2	W	5	bc	58	85	8	4000	Cu	1	ACu	3	•
Renfrew	1029.0	+1	W'S	3	bcw	64	65	9	4000	StCu	7	-	7	0
Edinburgh (Inchkeith)	1027.5	+1	W	4	b	60	75	8	4000	Cu	2	-	2	•
Leuchars	1026.8	-2	WSW	3	bc-	67	55	8	4000	Cu	6	-	6	0
Eskdalemuir	1027.8	+1	WNW	3	b	64	65	8	4000	Cu	2	-	2	1
Tynemouth	1028.0	+1	ENE	2	b	58	85	8	1500	Cu	1	-	1	•
Blacksod Point	1032.0	+3	WNW	4	cv	60	65	9	•	StCu	9	-	9	•
Donaghadee	1030.2	+2	E	1	vbc	57	75	9	4000	StCu	4	-	4	•
Birr Castle	1030.8	•	W	3	bc-	65	55	7	2500	Cu	3	Ci	5	•
Holyhead	1031.0	+2	N'W	3	vb-	59	85	9	4000	Cu	1	-	1	0
Liverpool (Bidston)	1030.0	+1	WSW	3	vb-	59	75	9	2500	StCu	1	-	1	•
Chester (Sealand)	1029.6	+2	NW	5	b-	61	65	8	1500	Cu	<1	Ci	1	0
Harrogate	1027.1	+2	SW	1	b	71	55	7	4000	Cu	1	-	1	•
Spurn Head	1027.4	0	N	6	bc	62	85	7	5700	StCu	2	CiCu	4	•
Birmingham (Edgbaston)	1028.1	+1	NW	3	b	70	45	8	-	-	0	Ci	1	0
Cranwell	1027.2	+2	N'W	3	b	74	55	8	4000	Cu	1	Ci	2	0
Gorleston	1027.1	+3	NNE	4	bc	66	85	6	5700	Cu	3	-	3	•
Valentia (Cahirciveen)	1032.3	+1	NW'N	4	bv	61	75	9	2500	Cu	1	ACu	2	0
Roches Point	1031.4	+2	SE	2	bv	61	92	9	-	-	0	CiCu	2	•
Pembroke (St. Ann's H.)	1029.6	+2	N	4	b-	63	65	8	2500	Cu	1	-	1	•
Ross-on-Wye	1027.2	0	NW	3	bc	73	55	8	4000	Cu	4	-	4	0
Leafield	1027.3	+1	NW	4	bc	71	55 (red correction)	8	4000	Cu	4	-	4	0
Winchester (Worthy Dn.)	1026.6	+1	N	3	c	75	55	8	4000	StCu	8	-	8	0
S. Farnborough	1026.4	+1	NW	2	c+	77	55	8	4000	StCu	9	-	9	0
London (Kew Obsy.)	1026.7	+1	N'W	2	c+	75	55	8	4000	StCu	9	-	9	0
Croydon	1026.0 (red correction)	0 (red correction)	N'E	2	bc+	76	55	8	5700	Cu	7	-	7	0
Shoeburyness	1026.6	+2	ESE	4	b	71	88	8	-	-	0	ACu	1	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1026.4	+1	NE	4	bc	69	75	8	4000	StCu	5	-	5	0
Lympne	1025.9	+1	NNE	3	b	73	65	8	-	-	0	-	0	0
Scilly (St. Mary's)	1025.9	+1	N	4	fe-	63	85	4	800	St	10	-	10	•
Falmouth (Pendennis)	1029.0	0	N	3	bc-	69	85	7	4000	Cu	3	ACu	7	•
Plymouth (Cattewater)	1027.7	+1	SSW	3	c+	65	85	8	4000	Cu	9	-	9	0
Portland Bill	1026.8	0	SW	2	bc+	67	75	8	2500	Cu	7	-	7	•
Southampton (Calshot)	1026.5	+1	N	2	bc+	78	45	8	5700	StCu	6	-	6	0
Dungeness	1027.1	+2	ENE	3	b-	70	65	8	-	-	0	-	0	•
Guernsey (Fort George)	1027.6	0	NNW	2	b-	67	75	6	-	-	0	-	0	•

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

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	1021.2	-1	SW	3	gb	54	85	7	1500	StCu	9	-	9	•
Stornoway	1024.2	0	SSW	5	c	56	85	7	4000	CuNb	10	-	10	4
Wick	1024.0	0	SW	3	o	59	85	8	2500	StCu	6	Ci-St	8	0
Tiree	1028.9	0	W	4	c+	66	85	8	1500	StCu (red correction)	9	-	9	1
Nairn	1025.7		WSW	4	bc	63	75	8	4000	Cu	3	ACu	5	•
Aberdeen	1026.3	-1	NNW	2	c	65	55	8	4000	Cu	8	-	8	0
Malin Head	1030.6	+1 (red correction)	WSW	4	c	57	85	8	5700	StCu	9	-	9	1
Renfrew	1030.1	+1	W	3	c	59	75	8	2500	StCu	9	-	9	•
Edinburgh (Inchkeith)	1027.9	0	W	4	bc	59	75	8	4000	Cu	4	ACu	6	2
Leuchars	1027.6	+2	W	4	bc-	64	65	6	4000	StCu	5	-	5	•
Eskdalemuir	1029.0	+1	WNW	5	bc	57	75	8	4000	StCu	5	-	5	•
Tynemouth	1028.2	0	SE	2	b	57	85	8	1500	Cu	2	-	2	0
Blacksod Point	1032.1	0	W	3	vbc	58	75	9	•	StCu	7	-	7	1
Donaghadee	1030.6	0	-	0	c	55	65	9	4000	StCu	8	-	8	0
Birr Castle	1030.8	•	WSW	2	bc	64	65	7	2500	Cu	3	CiCu	5	•
Holyhead	1031.4	0	-	0	b	58	85	8	-	-	0	Ci	1	0
Liverpool (Bidston)	1030.8	+1	W	2	vb-	61	65	9	-	-	0	-	0	•
Chester (Sealand)	1030.3	+1	NW	4	vb-	61	65	9	4000	Cu	1	-	1	•
Harrogate	1028.1	0	NNW	3	b	69 (red correction)	45	8	-	-	0	ACu	2	•
Spurn Head	1028.5	+1	ENE	2	bc	58	85	7	5700	StCu	3	Ci	4	1
Birmingham (Edgbaston)	1028.6	+1	NNW	4	b	67	45	8	-	-	0	Ci	1	•
Cranwell	1028.3	+2	ESE	3	b	66	75	7	-	-	0	Ci	1	•
Gorleston	1027.9	+1	N	4	c	59	85	6	4000	StCu	10	-	10	0
Valentia (Cahirciveen)	1032.4	0	NW'N	4	bv	61	75	9	-	-	0	ACu	1	2
Roches Point	1031.0	0	SW	2	bv	61	92	9	-	-	0	CiCu	1	0
Pembroke (St. Ann's H.)	1029.2	-1	N	4	b	60	55	8	2500	Cu	1	-	1	1
Ross-on-Wye	1027.6	0	N	3	b	71	45	8	5700	Cu	1	-	1	•
Leafield	1027.2	0	NW	4	b	71	45	7	-	-	0	-	0	•
Winchester (Worthy Dn.)	1026.5	0	NNW	3	bc-	73	55	8	4000	StCu	3	-	3	•
S. Farnborough	1026.1	-1	N	3	b-	75	55	7	-	-	0	ACu	1	•
London (Kew Obsy.)	1026.6	0	N	2	b	76	45	7	-	-	0	-	0	•
Croydon	1026.0	0	N'E	2	bc-	75	55	7	5700	Cu	1	ACu	3	•
Shoeburyness	1026.9	0	E'S	2	b	68	92	8	-	-	0	ACu	1	•
Clacton-on-Sea	1026.8	0	E	4	b	68	75	7	2500	Cu	2	-	2	3
Felixstowe	1026.5	0	NNE	4	b	70	65	8	-	-	0	-	0	3
Lympne	1026.7	+2	NE	4	b	67	75	8	-	-	0	-	0	•
Scilly (St. Mary's)	1025.9	+1	N'E	5	b	62	85	8	4000	Cu	1	-	1	1
Falmouth (Pendennis)	1028.9	0	N	4	b	66	75	8	4000	StCu	2	-	2	0
Plymouth (Cattewater)	1027.8	0	N	4	b-	69	65	8	4000	Cu	1	-	1	0
Portland Bill	1026.5	0	N	4	bc-	73	65	8	2500	Cu	3	-	3	0
Southampton (Calshot)	1026.1	0	N'W	4	b	76	55	8	-	-	0	-	0	0
Dungeness	1026.2	0	ENE	4	b-	66	75	8	-	-	0	-	0	3
Guernsey (Fort George)	1026.8	-2	NW	3	b	65	75	7	-	-	0	-	0	3

Red marginal note beside Tiree: StCu

London Observations.

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

London Observations	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. (Yesterday)	Humidity 13h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h
Kew	18	bbccy	cybcy	bcbwm	76	54	50	-	-	9.4	•	•	5
Croydon	244	bbcjoy	bccjoy	bjcmoff	77	53	50	-	-	12.4	•	•	6
Greenwich (Royal Obsy.)	149	bbcjy	bccybj	bwcmbj	80	51	42 (red correction)	-	-	10.2	50	63	6
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	11.0	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	78	53	52	-	-	9.9	51	66	•
Regent's Pk. (Botanic Gdns.)	103	•	•	•	•	•	•	•	•	10.3	•	•	•
Camden Square	110	bc	cbc	•	80	53	-	-	-	•	•	71	•
Kensington Palace	80	b	bcoc	•	77	52	48	-	-	•	(At 18h) 55	59	•
Hampstead Observatory	450	•	•	•	76	49	44	-	-	10.9	•	41	•

24 Hours ended 9h.

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.
0.6	9h 16th	<0.3	14h 16th

Kew Observatory

Max.	Time.	Min.	Time.
0.1	7h 17th	<0.1	13h 16th

Pole Star Record at Greenwich Obsy.

Exposure from 16th 21 h. 30 m. to 17th 2 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5-15	4 30	86
δ Ursae Minoris	5-15	4-25	84

Code for State of Ground.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 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 July, 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.52 / 3.53	11.59 / 11.59	20.6 / 20.4
Greenwich	4.4 / 4.5	12.6 / 12.6	20.7 / 20.6
Wick	3.34 / 3.36	12.18 / 12.18	21.1 / 20.59
Valentia	4.43 / 4.44	12.47 / 12.47	20.50 / 20.49

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.

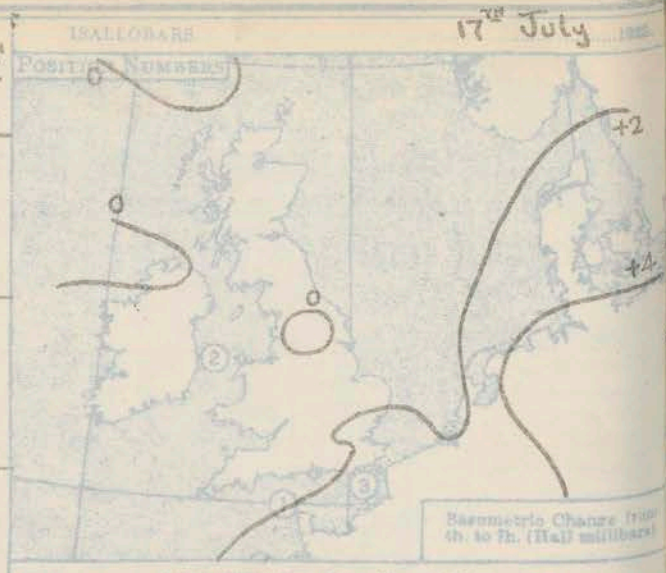
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ „
6. Moderate.	6¼ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

M.O. Form 2370.

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	bccipr	cipr	coir	coir	57	51	•	2	12.30	0.2	(21.00	5.9
Stornoway	cd	b	c	c	59	52	•	56	18.00	–	–	2.2
Wick	bbc	c	c	c	62	52	•	–	–	–	–	•
Tiree	bcpdo	bcc	co	copd	59	53	52	Tr.	12.30	Tr	5.30	5.3
Nairn	bcebc	bcy	cbq	bc	64	53	•	–	–	–	–	10.5
Aberdeen	bc	bcc	cbcb	bbc	65	50	42	–	–	–	–	8.3
Malin Head	bc	bcc	c	c	59	53	•	–	–	–	–	8.5
Renfrew	bbc	bcc	cpoc	c	65	54	51	–	–	Tr	(21.00	9.4
Edinburgh (Inchkeith)	bbc	bbc	bcb	bbcc	61	53	50	–	–	–	–	11.2
Leuchars	bc	bcybc	bcbbw	bbcw	69	49	44	–	–	–	–	12.0
Eskdalemuir bcy by bc	bwby	~~bc bbc~~	bcb	bbc	66	48	44	–	–	–	–	13.5
Tynemouth	cbc	b	b	bbc	59	52	46	–	–	–	–	•
Blacksod Point	c	c	cd	c	60	54	•	–	•	–	•	•
Donaghadee	bc	bcc	c	cbc	60	48	•	–	–	–	–	•
Birr Castle	cbc	bc	bc	bc	67	46	38	–	–	–	–	11.2
Holyhead	bcb	bv	bvcw	cbcbw	60	53	44	–	–	–	–	14.9
Liverpool (Bidston)	cbcbv	bv	obbw	bwbcc	61	53	49	–	–	–	–	11.5
Chester (Sealand)	cbc	bcb	bbc	bbcwm	61	49	42	–	–	–	–	12.4
Harrogate	b	b	bbc	b	73	50	45	–	–	–	–	13.1
Spurn Head	bc	bc	bcw	bc	67	54	•	–	–	–	–	13.2
Birmingham (Elgbaston)	bcb	b	b	bbcm	72 ~~68~~	52	46	–	–	–	–	11.4
Cranwell	bbcb	bbc	bbcc	cm	77	49	46	–	–	–	–	~~13.6~~ 14.1
Gorleston	bbc	bccq	cqb	bbc	70	51	48	–	–	–	–	11.5
Valentia (Cahirciveen)	bv	bv	bvbw	bw	63	47	42	–	–	–	–	15.4
Roches Point	bcvbv	bv	bvw	bvw	67	50	•	–	–	Tr	–	•
Pembroke (St. Ann's H.)	bcb	b	b	bbcb	66	50	•	–	–	–	–	12.2
Ross-on-Wye	bccbc	byby	by	cmwbc	76	48	37	–	–	–	–	10.9
Leafield	bc	by3c	b	bbcz	74	48	44	–	–	–	–	12.7
Winchester (Worthy Dn.)	bbcc	cybcy	bcyb	bm	78	51	47	–	–	–	–	10.9
S. Farnborough	bccy	cbcby	ybcbw	bwm	79	51	40	–	–	–	–	10.3
London (Kew Obsy.)	bbccy	cybcy	bcb	bwm	76	54	50	–	–	–	–	9.4
Croydon	bbcz3y	bcz3y	bcyc	cm off	77	53	50	–	–	–	–	12.1
Sheerness	b	b	c	cw	80	51	46	–	–	–	–	14.3
Clacton-on-Sea	bbc	bcb	bbc	bc	75	53	49	–	–	–	–	12.2
Felixstowe	bbc	bcb	bw	bcb	75	51	47	–	–	–	–	13.9
Lympne	b	b	bbcc	cbcm b	74	54	52	–	–	–	–	14.8
Scilly (St. Mary's)	cdoif	cf bcb	b	b	67	56	•	Tr.	9.00	–	–	5.5
Falmouth (Pendennis)	ccdbc	bcb	bv	b	71	55	•	Tr.	18.00	–	–	7.2
Plymouth (Cattewater)	cbc	cyb	b	by	74	58	47	–	–	–	–	8.5
Portland Bill	bbc	bc	bcb	bbc	76 ~~[illegible]~~	58	•	–	–	–	–	•
Southampton (Calshot)	bycy	bcybc	bybcbw	bwbm	81	57	50	–	–	Tr	–	14.3
Dungeness	bcb	b	bbcco	obbc	73	58	•	–	–	–	–	•
Guernsey	bbc	b	bby	bc3	70	58	•	–	–	–	–	14.4

17th July



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	10h 16th	Scotia	NNW	4	bcv	59	54	9
1	12h "	St. Helier	N	3	bc-	62	59	6
3	1h 17th	Brighton	ENE	5	c+	59	59	7

GENERAL INFERENCE.

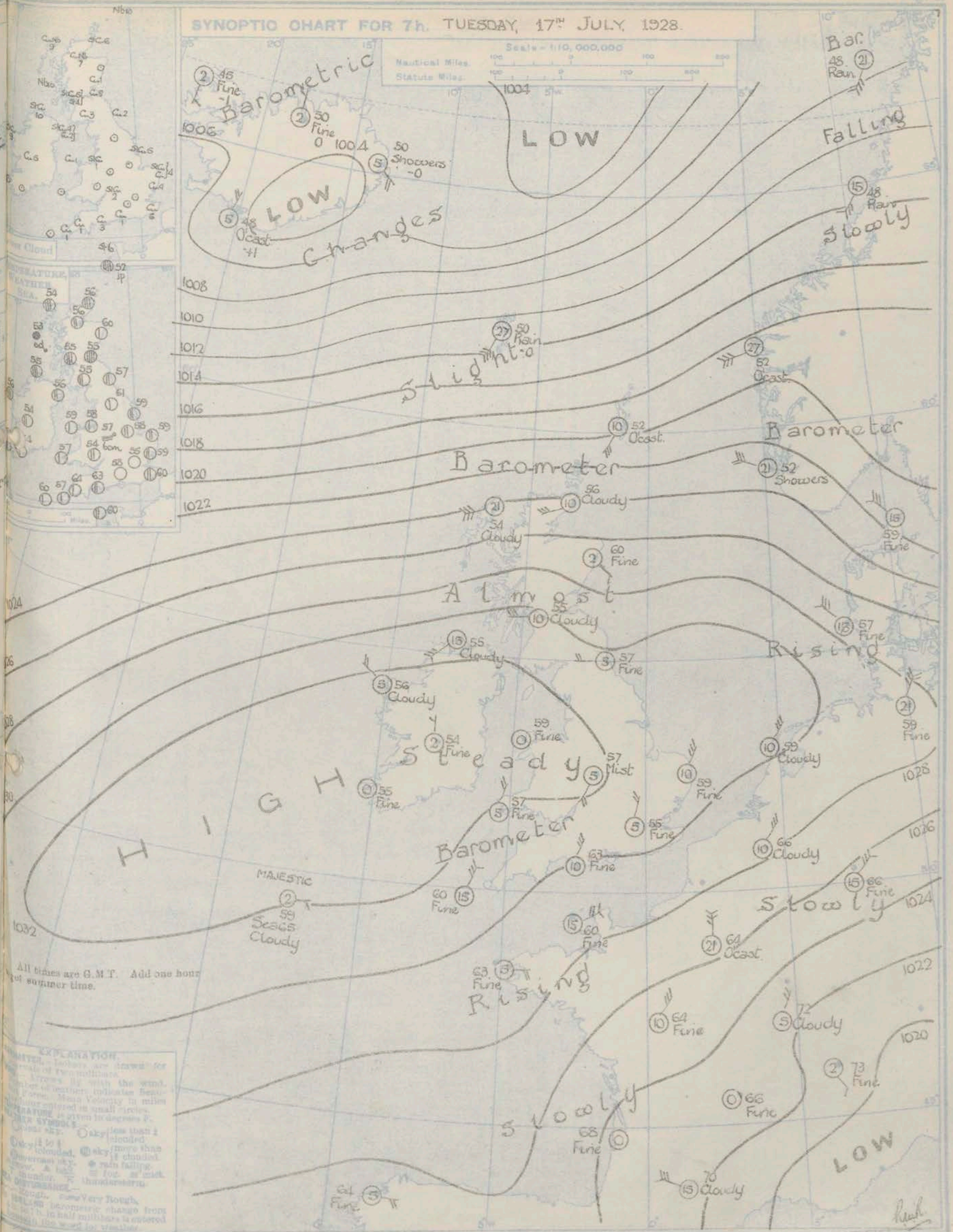
A large anticyclone covers Ireland, England and the Southern North Sea. Fine weather will continue over most of the British Isles, and probably last all this week in the southern half of the Kingdom. Temperature will tend to rise again.

Tuesday, 17th July, 1928.

Districts.	Forecasts for the 24 hours commencing 12 Noon (G.M.T.)	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind N.E. to variable, light; bright; becoming warmer again.	Fine and warm for the rest of this week over the southern half of the British Isles.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind variable or westerly, light; bright; warmer.	
11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind W. light or moderate; fair; rather warm.	
13. A. W. Scotland B. N.W. Scotland 14. Mid Scotland	Wind W. or S.W., moderate or fresh; cloudy, local drizzle; moderate temperature.	
15. N.E. Scotland	As 11 - 12.	
16. Orkneys and Shetlands	As 13.	
17. N.W. Ireland	As 11 - 12.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind variable, light; fine, warmer.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0925 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For moderate period. ‡ Tbco = 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, 17th July 1928. No. 199.

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	1019·8	0	WSW	3	or	53	92	7	1500	Nb	10	-	10	1019·9	0	SW	3	ojp	52	92	7	1500	Nb	10	-	10	*
Stornoway	30	1026·1	+1	W	5	c	*	*	6	*	*	*	*	10	1024·6	0	WSW	6	c	54	85	7	4000	CuNb	9	-	9	5
Wick	81	1024·6	0	WSW	3	c	54	85	8	1500	StCu	5	CSt	8	1025·0	0	WSW	3	c	56	85	8	2500	StCu	6	CSt	8	0
Tiree	23	*	*	*	*	*	*	*	*	*	*	*	*	*	1029·2	0	NN	4	od.	53	92	7	1500	Nb	10	-	10	1
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1025·7	*	W	3	bc+	56	85	8	4000	CuNb	7	-	7	*
Aberdeen	66	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·1	0	SE	1	b	60	65	8	-	-	0	CCu	2	0
Malin Head	81	1031·3	0	WSW	4	c	55	85	8	5700	StCu	10	-	10	1030·9	0	SW	4	c	55	85	8	5700	StCu	10	-	10	1
Renfrew	56	*	*	*	*	*	*	*	*	*	*	*	*	*	1030·7	0	W	3	c	55	85	8	1500	StCu	9	-	9	*
Edinburgh (Inchkeith)	193	1028·6	+1	WSW	4	b	53	92	8	-	-	0	ACu	2	1029·1	+1	WSW	4	c	55	85	8	4000	Cu	8	ACu	9	2
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1028·7	0	WSW	3	bc	58	75	8	2500	Cu	1	Cu	6	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1030·8	0	W'S	3	bc	55	75	8	2500	Cu	3	CSt	4	*
Tynemouth	87	1029·9	+1	W	1	b	54	85	7	-	-	0	-	0	1029·9	0	W	2	bc	57	75	7	1500	Cu	2	Cu	3	0
Blacksod Point ...	13	1032·1	0	-	0	c	55	85	6	*	-	0	ASt	10	1032·1	0	NW	2	cv	56	85	9	*	StCu	9	-	9	1
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1031·6	0	-	0	bc-	56	85	8	4000	StCu	6	-	6	0
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	1032·0	*	WSW	1	bc	54	97	7	1500	Cu	5	-	5	*
Holyhead	26	1032·1	+2	-	0	c	53	97	7	-	-	0	Cu	9	1032·3	0	-	0	b	59	92	8	1500	Cu	1	CSt	1	0
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1032·5	0	NNW	2	b	58	75	7	2500	StCu	1	-	1	*
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1031·9	+1	NW	3	c+	58	85	7	1500	St	8	-	8	1
Harrogate	678	*	*	*	*	*	*	*	*	*	*	*	*	*	1031·1	-1	SW	2	b	61	75	8	-	-	0	CSt	1	*
Spurn Head	26	1030·6	+1	W	2	bc	55	92	7	-	-	0	ASt	3	1031·4	0	W'S	1	bc	59	85	6	4000	StCu	5	-	5	0
Birmingham (Edgbaston)	505	*	*	*	*	*	*	*	*	*	*	*	*	*	1032·4	0	NNW	2	fbc-	57	85	4	-	-	0	ACu	5	*
Cranwell	232	1031·2	+3	-	0	c+	55	97	7	4000	StCu	8	-	8	1031·7	+1	-	0	bc-	58	85	6	-	-	0	Cu	5	*
Gorleston	14	1030·1	+2	N	2	b-	58	92	7	4000	Cu	1	-	1	1031·4	+1	NNE	3	bc	59	85	6	4000	Cu	4	-	4	0
Valentia (Cahirciveen) ¶	30	1033·3	+1	N'W	1	bv	56	97	9	-	-	0	-	0	1033·1	+1	-	0	bcv	55	85	9	-	-	0	Cu	7	0
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1032·9	0	N	2	bv	54	85	9	-	-	0	CCu	1	0
Pembroke (St. Ann's H.)	150	1030·9	+1	NNE	3	b	55	85	8	2500	StCu	1	-	1	1031·5	+1	NNE	2	b	57	85	8	-	-	0	CCu	2	1
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1031·6	0	N	2	bc	54	75	7	-	-	0	Cu	5	*
Leafield	512	*	*	*	*	*	*	*	*	*	*	*	*	*	1031·8	+1	N'W	1	bc-	53	85	7	5700	StCu	2	CSt	3	*
Winchester (Worthy Dn.)	273	*	*	*	*	*	*	*	*	*	*	*	*	*	1030·8	+1	N	2	b	58	85	7	-	-	0	-	0	*
S. Farnborough ...	330	*	*	*	*	*	*	*	*	*	*	*	*	*	1030·8	0	-	0	b	58	85	6	-	-	0	-	0	*
London (Kew Obsy.) ...	18	*	*	*	*	*	62	*	*	*	*	*	*	*	1031·9	+2	N'E	2	b	55	85	5	-	-	0	-	0	*
Croydon	344	1030·0	+2	ENE	2	c+	59	92	7	5700	StCu	6	ACu	10	1031·2	+1	ENE	2	cff	54	92	5	450	St	9	-	9	*
Shoeburyness	21	*	*	*	*	*	*	*	*	*	*	*	*	*	1031·5	+2	NNE	3	c	59	92	7	1500	Cu	8	-	8	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1031·1	+2	N	4	bc	59	75	7	2500	Cu	4	-	4	2
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1031·4	+3	NNE	3	b	60	85	8	2500	StCu	1	Cu	2	2
Lympne	350	1029·4	+2	NNE	4	c+	56	92	7	2500	StCu	9	-	9	1030·2	+2	NNE	4	b	59	75	7	2500	StCu	2	-	2	*
Scilly (St. Mary's) ...	163	1030·5	+1	N	5	bv	56	85	9	-	-	0	-	0	1031·4	+1	NNE	4	b	60	85	7	-	-	0	ASt	1	4
Falmouth (Pendennis)	200	1030·0	+2	N	4	bv	57	85	9	4000	StCu	2	-	2	1030·9	+1	NNE	2	b	57	97	8	4000	Cu	1	-	1	0
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1030·4	+1	E	1	b	64	65	8	4000	Cu	1	-	1	1
Portland Bill	52	1028·7	+2	NNE	3	b	62	55	8	-	-	0	-	0	1029·8	+1	NNE	2	bc-	63	75	6	2500	Cu	3	-	3	0
Southampton (Calshot)	10	1029·5	+2	SE'E	1	b	63	85	8	-	-	0	-	0	1030·6	+1	N'W	2	b	60	85	6	4000	Cu	1	-	1	0
Dungeness	28	1029·7	+2	NE	4	c+	59	85	8	-	-	0	ASt	10	1030·4	+3	ENE	4	bc-	60	75	8	1500	Cu	6	-	6	3
Guernsey (Fort George) ¶	295	1029·2	+2	-	0	b-	60	92	6	-	-	0	-	0	1029·6	+3	ENE	4	bc+	60	85	7	1500	St	6	ACu	7	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 16th July 1928

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-15th to 9h.-16th	Temperature. Max. 9h.-17th	Rainfall.† Night 17h.-9h. 15th-16th	Rainfall.† Day 9h.-17h. 16th	Sunshine. Sunrise to 17h. 15th	Sunshine. Sunrise to Sunset 15th
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	cbc	bc	52	58	-	-	8·7	9·9
Douglas (I. o. M.) ...	b	bv	50	64	-	-	12·5	5·7
Llandudno ...	bc	bcb	55	61	-	-	11·5	14·4
Colwyn Bay ...	bbcb	b	56	62	-	-	9·0	14·4
Rhyl	b	b	56	61	-	-	12·0	14·5
Wallasey	bcb	b	56	65	-	-	8·8	14·8
Southport	bbcb	b	*55	62	-	-	10·0	14·4
Blackpool	cbc	b	55	63	-	-	11·0	13·4
Ilkley	b	b	54	76	-	-	11·8	13·5
Cleethorpes	b	b	57	64	-	-	12·6	14·9
Skegness	bbcc	obc	55	66	-	-	11·4	14·7
Aberystwyth ...	cbc	bbc	58	63	-	-	10·0	12·3
Bath	bbc	bcb	53	77	-	-	10·4	15·1
Cheltenham ...	cbcb	bvy	54	76	-	-	10·5	15·2
Leamington Spa ...	bc	b	54	76	-	-	9·3	15·0
Lowestoft	b	b	58	67	-	-	11·4	13·2
Harwich & Dovercourt	b	b	58	77	-	-	11·4	12·9
Maldon	b	bcb	58	76	-	-	9·6	14·4
Southend	b	bbc	59	78	-	-	12·2	13·7

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	fcbc	b	58	67	0·1	-	6·0	13·0
Bude	adcbc	bcb	57	66	-	(Trace)	6·1	14·8
Penzance	c	cb	59	69	-	-	4·0	14·3
Paignton	bbc	c	56	74	-	-	8·6	15·1
Torquay	bbc	uc3	56	76	-	-	9·2	15·1
Jersey	b	b	57	75	-	-	12·3	14·8
Weymouth	by	b	57	78	-	-	10·8	14·5
Bournemouth ...	b	b	54	81	-	-	12·0	15·2
Ventnor ...	b3	bbcb3	56	75	-	-	12·2 (~~12·6~~)	13·8
Portsmouth (S'thsea)	b	bbc	57	82	-	-	11·7	14·2
Bognor	b	bbc	59	78	-	-	12·1	14·2
Littlehampton ...	b	bc	59	79	-	-	12·2	14·5
Worthing	b	bbc	61	80	-	-	12·0	14·2
Brighton	b	b	61	81	-	-	?	12·2
Eastbourne	b	b	63	78	-	-	12·3	14·0
Hastings‡	b	bbc	62	78	-	-	12·2	13·8
Folkestone	b	b	61	78	-	-	12·1	11·6
Dover	b	b	63	74	-	-	12·3	12·2
Tunbridge Wells ...	b	bc	58	80	-	-	12·3	14·1
Ramsgate	b	b	62	70	-	-	12·4	12·0
Margate	b	b	62	68	-	-	12·4	12·8
Deal	b	b	63	73	-	-	12·5	12·2

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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 17h.-9h. ‡ 12h.-9h.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24,345 Wednesday 18th July 1928.

Observations at 18h. 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	Upper Form	Total Amt. 0-10	State of ground
Lerwick	1019.3	-1	SW	3	gjp	54	85	7	1500	Nb	6	ASt	10	•
Stornoway	1022.8	-2	WSW	4	c	57	75	7	4000	CuNb	10	-	10	•
Wick	1022.6	-2	S	3	bc	60	85	8	2500	StCu	4	CiSt	6	•
Tiree	1027.8	-1	W'S	4	bc	58	85	8	2500	CuNb	2	ACu	4	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1023.9	-4	SSW	4	bc+	72	45	8	4000	Cu	1	ACu	3	0
Malin Head	1029.9	-2	W'S	5	bc-	58	75	9	4000	Cu	2	ACu	7	•
Renfrew	1029.7	-2	WSW	4	c	61	65	8	4000	StCu	9	-	9	0
Edinburgh (Inchkeith)	1028.1	-1	W	4	c	56	75	8	2500	St	9	-	9	•
Leuchars	1027.5	-1	W	5	c+	63	65	8	4000	StCu	5	ACu	8	0
Eskdalemuir	1029.3	-1	SW	5	c	61	65	8	2500	StCu	7	CiSt	8	0
Tynemouth	1028.9	-1	SE	2	bc	63	75	6	1500	Cu	3	-	3	•
Blacksod Point	1031.5	0	W	4	cv	59	75	9	•	StCu	8	-	8	•
Donaghadee	1030.6	-1	WNW	1	bc-	62	65	8	4000	StCu	7	-	7	•
Birr Castle	1030.8	•	SW	2	bc-	63	55	7	1500	Cu	2	Ci	3	•
Holyhead	1032.2	-1	NNW	1	bc⊕	60	85	8	4000	Cu	1	CiSt	7	0
Liverpool (Bidston)	1031.8	-1	NW	2	c⊕	62	65	8	-	-	0	CiSt	9	•
Chester (Sealand)	1031.2	-2	NW	3	c⊕	68	65	7	2500	Cu	1	CuSt	8	0
Harrogate	1029.5	0	SW	3	b	72	45	8	-	-	0	ACu	1	•
Spurn Head	1030.2	-1	SE	5	bc	65	75	7	4000	StCu	3	-	3	•
Birmingham (Edgbaston)	1030.6	0	WSW	2	b	74	55	8	4000	Cu	1	-	1	0
Cranwell	1030.7	-1	SSW	2	bc	74	55	7	4000	Cu	3	-	3	0
Gorleston	1031.6	0	E'N	1	bc	64	75	7	-	-	0	CiCu	4	•
Valentia (Cahirciveen)	1032.5	0	SW'W	2	bv	65	75	9	4000	Cu	1	CiCu	2	0
Roches Point	1032.4	+1	SW	1	b	62	85	8	-	-	0	CiCu	1	•
Pembroke (St. Ann's H.)	1031.3	0	NW	1	b	66	65	8	2500	Cu	1	CiCu	2	•
Ross-on-Wye	1029.8	0	NW'N	2	b	74	45	7	5700	Cu	<1	Ci	1	0
Leafield	1030.6	-1	ENE	2	b	72	55	7	~~7200~~ ~~4000~~ [illegible]	Cu	<1	Ci	1	0
Winchester (Worthy Dn.)	1029.9	-2	NE'N	3	b-	72	55	7	-	-	0	-	0	0
S. Farnborough	1030.4	-1	NNE	2	b	74	45	6	-	-	0	-	0	0
London (Kew Obsy.)	1030.7	-1	ENE	2	b	71	45	7	-	-	0	Ci	2	0
Croydon	1030.4	-1	ENE	2	bc-	72	55	7	-	-	0	Ci	3	0
Shoeburyness	1032.1	0	NE	3	bc	65	65	8	-	-	0	CiSt	6	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1031.3	0	ENE	3	e	65	~~[illegible]~~ 65	8	•	•	0	CiSt	8	0
Lympne	1030.2	0	NE	5	bc⊕	65	65	8	1500	Cu	1	CiSt	7	0
Scilly (St. Mary's)	1030.9	0	N'E	4	b	66	75	7	-	-	0	-	0	•
Falmouth (Pendennis)	1031.5	-1	SE'E	1	b	70	75	7	4000	Cu	1	-	1	•
Plymouth (Cattewater)	1030.5	-1	SSW	3	b	69	75	7	4000	Cu	1	-	1	0
Portland Bill	1030.0	0	E	1	b	67	75	6	-	-	0	-	0	•
Southampton (Calshot)	1030.1	-2	SE	2	b	75	55	7	-	-	0	-	0	0
Dungeness	1030.8	+1	ENE	4	bc	66	75	8	-	-	0	CiCu	5	•
Guernsey (Fort George)	1029.9	+1	NE	4	b-	61	85	7	-	-	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	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1016.1	-6	SW	3	OF	54	85	7	1500	Nb	10	-	10	•
Stornoway	1018.6	-3	SW	4	cRR	55	97	6	4000	CuNb	10	-	10	4
Wick	1020.6	-4	SSW	3	Cr	56	97	8	1500	Nb	8	CiSt	10	0
Tiree	1024.9	-7	W'S	4	gjp	55	97	7	1500	CuNb	10	-	10	1
Nairn	1021.8	•	WSW	5	bc	58	65	8	1500	Cu	5	-	5	•
Aberdeen	1022.7	-2	WSW	3	c	63	55	8	4000	StCu	9	-	9	1
Malin Head	1027.8	-2	W'S	5	Cr.	56	85	8	5700	StCu	4	ASt	9	3
Renfrew	1027.6	-3	W'S	4	vbc	59	75	9	4000	Cu	4	ACu	6	•
Edinburgh (Inchkeith)	1026.0	-3	W	4	c+	58	75	8	4000	Cu	2	CiSt	8	2
Leuchars	1025.4	-2	W	5	c+	60	65	8	4000	StCu	4	ACu	9	•
Eskdalemuir	1027.3	-2	WSW	4	bc	61	65	8	4000	StCu	3	CiSt	4	•
Tynemouth	1026.7	-2	W	2	bc+	65	65	7	1500	Cu	3	ACu	4	0
Blacksod Point	1029.8	0	W	4	rc pr	57	85	9	•	StCu	9	-	9	3
Donaghadee	1028.2	-2	W	1	bc-	65	75	8	4000	Cu	2	ACu	5	1
Birr Castle	1029.5	•	SW	1	bc+	67	65	7	2500	Nb	3	ACu	5	•
Holyhead	1030.2	-3	SW	1	b	63	65	8	4000	Cu	<1	Ci	1	0
Liverpool (Bidston)	1030.3	-2	NW	2	b-	61	65	8	-	-	0	Ci	2	•
Chester (Sealand)	1029.9	-1	NW	3	vb	62	75	9	-	-	0	Ci	2	•
Harrogate	1028.4	-1	SW	3	b	67	55	8	-	-	0	CiCu	1	•
Spurn Head	1027.2	-2	SE'S	4	bc	63	85	7	-	-	0	ASt	3	2
Birmingham (Edgbaston)	1028.5	-2	WSW	2	b-	75	35	8	4000	Cu	1	-	1	•
Cranwell	1028.4	-2	SW	3	b-	75	65	7	-	-	0	Ci	2	0
Gorleston	1030.1	-2	SE	2	bc+	61	75	7	-	-	0	CiCu	6	0
Valentia (Cahirciveen)	1032.0	0	W	2	bc	59	85	8	800	StCu	1	CiCu	3	0
Roches Point	1030.9	-1	SW	2	b	62	75	8	-	-	0	CiCu	1	0
Pembroke (St. Ann's H.)	1030.0	-2	N	2	b+	65	65	8	-	-	0	Ci	2	0
Ross-on-Wye	1027.9	-3	W	1	b+	77	35	7	4000	StCu	1	-	1	•
Leafield	1028.4	-3	-	0	b-	76	45	8	~~7200~~ 5700	Cu	1	-	1	•
Winchester (Worthy Dn.)	1028.5	-2	N	2	b	75	45	7	-	-	0	-	0	•
S. Farnborough	1028.6	-1	ESE	2	b	73	65	7	-	-	0	-	0	•
London (Kew Obsy.)	1029.0	-1	SE	2	b	75	45	8	-	-	0	Ci	1	•
Croydon	1028.9	-2	E'S	2	b-	72	45	7	-	-	0	Ci	1	•
Shoeburyness	1029.8	-2	E'N	2	bc+	64	75	8	-	-	0	CiSt	5	•
Clacton-on-Sea	1031.5	-2	ENE	3	bc	64	75	7	-	-	0	Ci	5	2
Felixstowe	1030.0	-2	ENE	2	bcv	64	65	9	-	-	0	CiSt	4	1
Lympne	1028.8	-2	NE'N	4	bv	64	65	9	-	-	0	Ci	2	•
Scilly (St. Mary's)	1030.8	-1	N'E	4	b	63	75	7	-	-	0	-	0	3
Falmouth (Pendennis)	1030.3	-1	-	0	b	66	85	7	4000	Cu	2	Ci	2	0
Plymouth (Cattewater)	1029.7	-2	SW	1	b	66	75	7	-	-	0	-	1	0
Portland Bill	1029.0	-2	S	-	b	62	85	6	2500	StCu	1	-	1	0
Southampton (Calshot)	1028.8	-1	SE	3	b	66	75	6	-	-	0	-	0	0
Dungeness	1029.2	-2	ENE	3	bc	63	85	8	-	-	0	CiSt	5	2
Guernsey (Fort George)	1028.8	-2	NE	3	b	61	85	7	-	-	0	-	0	0

London Observations. Day 7h.-18h., Kew & Croydon. 9h.-18h., Kensington. 9h.-7h., other stations. Weather: 24 hours ended 9h.

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 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	bg₀by	by	bybm₀	77	52	43	-	-	11.7	•	•	6
Croydon	244	cg₀bcy	bcby	byb	75	53	48	-	-	11.4	48	55	6
Greenwich (Royal Obsy.)	149	b3yc0	cb3y	bcm3y	77	48	35	-	-	10.1	•	•	•
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	11.5	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	76	55	48	-	-	12.1	51	66	•
Regent's Pk. (Botanic Gdns.)	169	•	•	•	•	•	•	•	•	11.2	•	61	•
Camden Square	110	bc	bcb	•	80	58	-	-	-	•	(At 18h.) 55	58	•
Kensington Palace	80	b	bj	•	77	55	46	-	-	•	•	64	•
Hampstead Observatory	450	•	•	•	74	57	44	-	-	12.1			

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 7h. G.M.T. 18H

South Kensington

Max.	Time.	Min.	Time.
0.8	7h 17th	<0.3	22h 17th

Kew Observatory

Max.	Time.	Min.	Time.
0.1	9h 17th	<0.1	17h 17th

Pole Star Record at Greenwich Obsy. Exposure from 17th 21 h. 30 m. to 18th 2 h. 45 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5.15	5.15	100
δ Ursae Minoris	5.15	5.15	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 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. 18th-19th July, 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.53	11.59	20.4
	3.54	11.59	20.3
Greenwich	4.5	12.6	20.6
	4.7	12.6	20.5
Wick	3.36	12.18	20.59
	3.38	12.19	20.58
Valentia	4.44	12.47	20.49
	4.45	12.47	20.48

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 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.
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

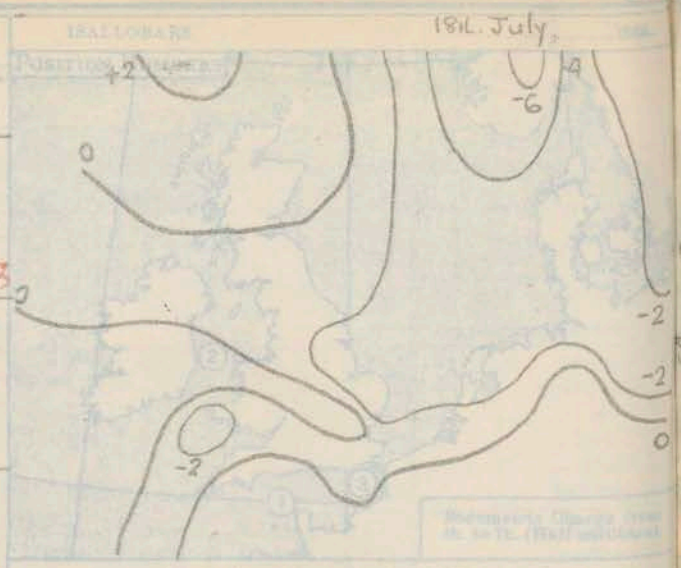
Code	Distance
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† 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. 17th.	18h.-18h. 17th.	18h. 17th. to 18h. 18th.	18.-7h. 18th.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN on Grass.	RAINFALL† Day. 7h.-18h. mm.	began.	Night, 18h.-7h. mm.	began.	SUN 17th. Hours.
Lerwick	c o i d.	c o l d. r.	c o f o f	o r. f. c	56	51	.	Tr.	<18.00	2	<21.00	0.4
Stornoway	r-d	r-d	r-d	r-d	59	50	.	9	09.00	11	<21.00	2.1
Wick	b b c	c r r	c r r.	c r. r c	64	51	.	1	17.30	2	<21.00	.
Tiree	p r d c	i b o	p d. o	p d. c	58	52	52	0.2	<18.00	1	<21.00	0.9
Nairn	b c q	b c q	b c p r c	c q	65	52	.	—	—	2	<21.00	4.3
Aberdeen	b b c y	b c y d y	c p r. c	c	73	53	49	—	—	Tr	<21.00	9.3 8
Malin Head	c b c v	b c c	c p. c d. b	d. o m. m.	60	54	.	Tr.	17.30	0.2	<21.00	4.3
Renfrew	c	b c b c q	b c c r. r	c r. q	64	53	50	—	—	0.6	<21.00	3.2
Edinburgh (Inchkeith)	c	c	c b c p	c	61	53	51	—	—	Tr	22.00	5.0
Leuchars	b c c	c b c c	c	c	65	53	49	—	—	—	—	10.5
Eskdalemuir	b c c	c p c y b c	b c c	c o d. m.	65	51	50	—	—	Tr	6.30	12.6
Tynemouth	b c	b c	c	b c	69	56	49	—	—	—	—	.
Blackpool Point ...	c	p. p.	o d.	o d o d	61	55	.	Tr.	.	1	.	.
Donaghadee	b c c b c	b c	b c c	c p r. c	65	54	.	—	—	0.4	<21.00	.
Birr Castle	b c	b c	b c	c	71	52	46	—	—	—	—	12.2
Holyhead	b b c	b c b	b b c	b c	63	55	50	—	—	—	—	14.4
Liverpool (Bidston) ...	b b c c b	c b	b w b c c	c b w b c	67	56	50	—	—	—	—	12.9
Chester (Saughall) ...	c b c	c b c b	b b c	b b c m. w	68	48	43	—	—	—	—	12.8
Harrogate	b	b	b b c c	c	73	55	52	—	—	—	—	15.0
Spurn Head	b c	b c	b c	c p r. b c c	65	58	.	—	—	Tr	1.30	13.0
Birmingham (Edgbaston)	b c b	b	b	b b c	78	55	44	—	—	—	—	12.3
Cromwell	b b c y	b c y	b m.	b b c	77	54	50	—	—	—	—	11.7
Gorleston	b c	b c	b c b	b c w	65	54	51	—	—	—	—	13.8
Valentia (Cahirciveen)	c p c b w	b r b c b	b c b w	b w c o	67	51	46	—	—	Tr	<21.00	14.6
Roches Point	b	b	b w	b c w	69	53	.	—	—	Tr	—	.
Pembroke (St. Ann's H.)	b	b b c	b b c	b	68	56	.	—	—	—	—	12.5
Ross-on-Wye	b c b y	b y	b y b c b	w b b c	79	48	42	—	—	—	—	13.0
Leafield	b c b	b y	b	b	76	52	46	—	—	—	—	12.2
Winchester (Worthy Down)	b b c p y	b y	b y m.	b c f f o b	77	47	42	—	—	—	—	13.9
S. Farnborough ...	b m b c b y y	b 3. y	b y b	b w b c b	77	49	36	—	—	—	—	13.6
London (Kew Obsy.) ...	b 3. b y	b y	b y b	b m.	77	52	43	—	—	—	—	11.7
Croydon	c 3. b c y	b c b y	b y b	b	75	53	49	—	—	—	—	11.4
Shoeburyness	c b c	b b c	b	b w	68	47	38	—	—	—	—	11.9
Clacton-on-Sea ...	b c	b c	b c b	b b c w	66	56	49	—	—	—	—	14.3
Felixstowe	b b c c	c b c	c	b c w m.	66	53	41	—	—	—	—	14.6
Lympne	b b c	b c b v	b v b w	b c w b w	67	48	38	—	—	Tr	—	14.6
Scilly (St. Mary's) ...	b	b	b b c	b	66	54	.	—	—	—	—	14.9
Falmouth (Pendennis)	b	b	b	b b c	71	56	.	—	—	—	—	14.7
Plymouth (Cattewater)	b b c y	b	b	b w	75	54	52	—	—	—	—	13.8
Portland Bill	b	b 3.	b b c b w 3.	b b c 3.	63	59	.	—	—	—	—	.
Southampton (Calshot)	b b c	b b 3.	b m.	b w r.	78	56	45	—	—	—	—	13.3
Dungeness	b b c	b c b c	b c b	b b c	67	49	.	—	—	—	—	.
Guernsey	b c b 3	b	b	b	62	57	.	—	—	—	—	14.5



Observations from Cross Channel Steamers

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	
2	10h 17th	Scotia	N	2	c.	57	53	7
1	12h -	St. Julien	NE'E	5	bc	61	59	7
3	1h -	Dieppe	NNE	2	bc	60	60	8

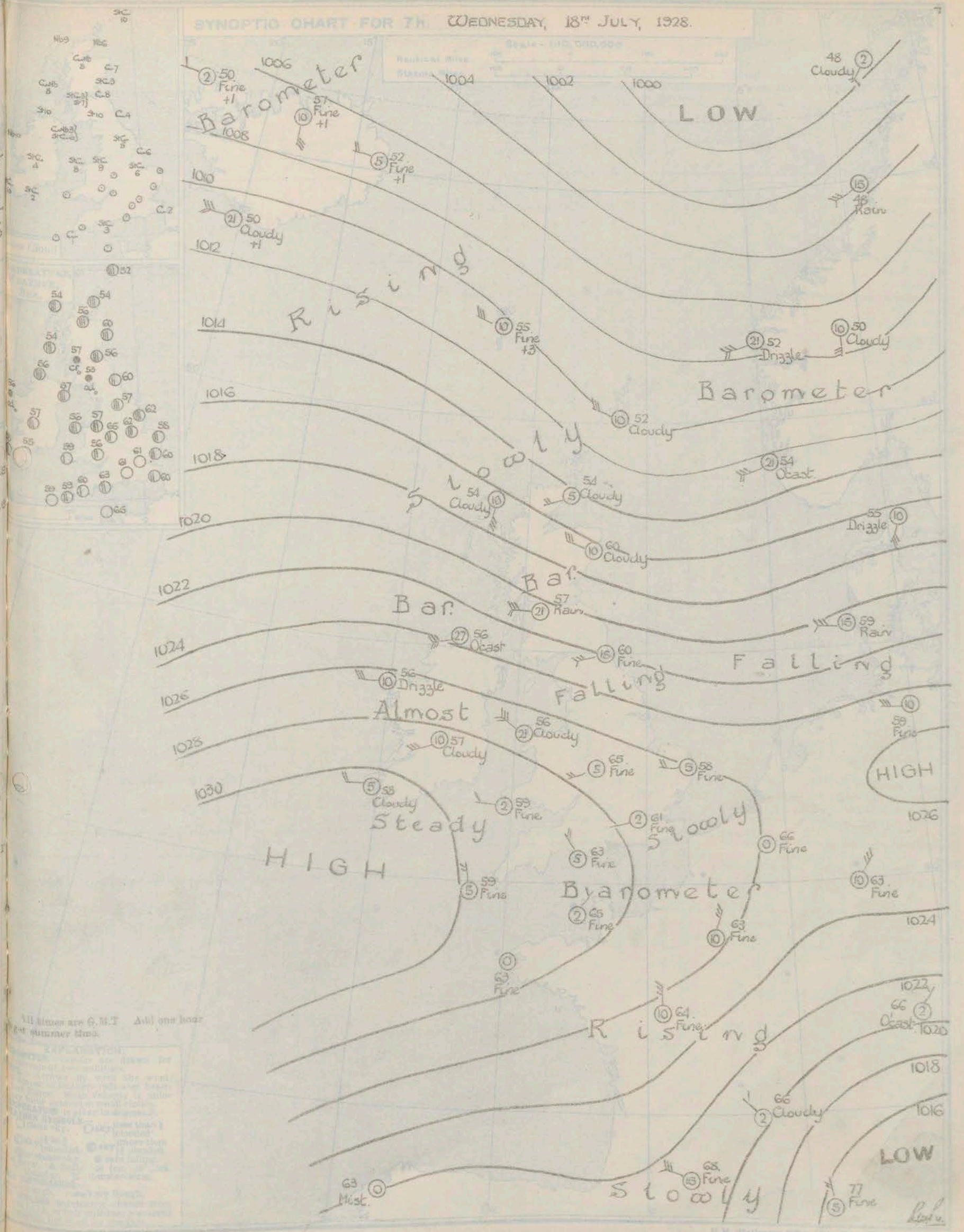
A large anticyclone remains centred off our southwest coasts and weather will continue fair in most districts, though cloudy at times. Local drizzle will occur in northwest districts.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Wednesday, 18th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind W. to N.W., light or moderate; bright and cloudy periods; warm today, probably somewhat cooler tomorrow.	Fair and rather warm in southern and most eastern districts. Rather unsettled in West Scotland.
7. North Wales 8. N.W. England	Wind W. moderate or fresh; mainly cloudy, slight drizzle locally; moderate temperature.	
9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind W. moderate or fresh; cloudy with bright periods; rather warm.	
12. S.W. Scotland & Isle of Man	As 7 - 8.	
13. A.W. Scotland 14. N.W. Scotland	Wind W. moderate to strong, mainly cloudy, occasional rain or drizzle; moderate temperature.	
15. Mid-Scotland 16. N.E. Scotland	As 9 - 11.	
17. Orkneys and Shetlands	As 13.	
18. N.W. Ireland 19. N.E. Ireland	As 7 - 8.	cand.
20. S.E. Ireland 21. S.W. Ireland	Wind W. or N.W., light; cloudy with brighter periods; rather warm.	

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

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

SYNOPTIC CHART FOR 7h. WEDNESDAY, 18th JULY, 1928.



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

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Wednesday, 18th July 1928. No. 200.

Stations	Height above M.S.L. in feet	1h. G.M.T. 18th: 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	7h. G.M.T. 18th: 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	54	1010·1	-3	SW	3	or₀r₀	52	97	7	1500	Nb	10	-	10	1005·9	+1	W'N	3	c	52	97	7	2500	StCu	10	-	10	*
Stornoway	30	1017·1	0	W	5	or	*	*	6	*	*	*	*	10	1017·3	+1	SSW	3	c/r	54	97	7	2500	Nb	9	-	9	2
Wick	81	1015·3	-3	SW	2	cr₀r₀	52	97	8	1500	Nb	8	A-St	10	1015·4	0	WSW	2	c	54	85	8	4000 ~~2500~~	Nb	6	CuSt	8	0
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1021·8	0	W'N	5	c	54	85	7	1500	CuNb	8	-	8	1
Nairn	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·2	*	WNW	4	c+	56	85	8	4000	CuNb	8	-	8	*
Aberdeen	43	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·4	+1	WNW	3	c	60	75	8	2500	Cu	7	A Cu	9	0
Malin Head	64	1025·1	-1	W	6	cd₀	55	97	6	4000	Nb	2	A St	10	1024·0	0	W'S	6	o	56	97	6	450 ~~2500~~	St	10	..	10	4
Renfrew	30	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·7	-2	W	5	cr₀	57	85	8	800	St	10	-	10	*
Edinburgh (Inchkeith)	190	1022·6	-3	WSW	4	c+	54	92	8	1500	St	2	A St	8	1019·7	0	W	4	c	56	85	8	4000	Cu	8	CuSt	9	2
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·3	-1	SW	4	c-	59	85	8	2500	StCu	3	ASt	9	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1022·3	-1	SW'S	3	od₀	53	97	6	450	St	10	-	10	*
Tynemouth	87	1024·0	-4	WSW	2	bc-	60	75	7	1500	CuNb	6	-	6	1022·1	-1	WSW	4	bc	60	75	7	1500	Cu	4	Cu	7	0
Blacksod Point	18	1027·6	-2	W	4	od	57	85	6	*	Nb	10	-	10	1027·6	0	W	3	od₀	56	97	5	*	Nb	10	-	10	1
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1024·5	-1	W	2	c+	57	85	8	2500	StCu	9	-	9	2
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*	1028·4	*	WSW	3	c+	57	85	7	2500	StCu	4	ASt	9	*
Holyhead	26	1028·2	-2	SSW	3	bc	57	97	7	7200	StCu	4	-	4	1027·5	+1	NW'W	5	c+	56	85	8	4000	StCu	8	CuSt	9	2
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·0	-1	W	5	c+	57	85	8	2500	StCu	9	Cu	9	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·6	0	WNW	4	bc	59	85	6	7200	StCu	2	Cu	6	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*	1024·2	-1	SW	5	c	57	85	8	4000	StCu	5	ASt	10	*
Spurn Head	28	1026·4	-1	W	5	bc+	59	75	6	4000	Cu	7	-	7	1023·9	-2	WSW	4	c+	62	85	6	4000	Cu	6	CuSt	9	*
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·2	-1	WSW	2	bc	65	65	8	-	-	0	A Cu	3	*
Cranwell	236	1028·8	0	W	2	b	55	97	6	5700	StCu	1	-	1	1026·2	-3	WSW	3	c	62	75	7	5700	StCu	6	A Cu	8	*
Gorleston	14	1028·8	-2	SW'W	3	b	56	85	8	-	-	0	-	0	1025·9	-2	W	2	bc	58	85	7	-	-	0	CuCu	4	0
Valentia (Cahirciveen) P	30	1031·7	0	-	0	b	55	97	8	-	-	0	-	0	1031·2	0	W	2	c	58	85	8	1500	StCu	10	-	10	0
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1029·4	0	N	2	bc	55	92	8	4000	StCu	2	Cu	4	0
Pembroke (St. Ann's H.)	160	1029·7	0	NNW	1	b	57	85	8	-	-	0	-	0	1028·7	-3	W	1	b	59	92	7	-	-	0	A Cu	1	0
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·3	-1	W	1	bc	56	85	8	-	-	0	CuCu	5	*
Leafield	512	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·4	0	SW'W	2	b	63	65	7	-	-	0	A Cu	1	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·9	-1	-	0	b/f	59	85	5	-	-	0	-	0	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·7	-1	WNW	1	b-	61	85	6	-	-	0	-	0	*
London (Kew Obsy.)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	1027·7	0	WSW	1	b	61	75	6	-	-	0	-	0	*
Croydon	244	1029·1	0	S'W	3	b-	55	75	7	-	-	0	-	0	1027·4	-1	NW'N	3	b	66	55	6	-	-	0	A Cu	2	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·4	-1	WSW	2	b	62	55	6	-	-	0	CuCu	1	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·0	-2	WSW	3	bc+	60	85	7	-	-	0	A Cu	4	1
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·6	-3	W	2	bc-	63	65	6	-	-	0	CuSt	3	1
Lympne	350	1028·9	+1	ESE	2	b	50	97	7	-	-	0	-	0	1027·2	0	NNW	3	b	59	85	7	-	-	0	-	0	*
Scilly (St. Mary's)	168	1030·3	-1	N'E	3	b	56	85	8	-	-	0	Cu	1	1029·7	-1	N'W	2	b	59	92	8	-	-	0	-	0	1
Falmouth (Pendennis)	200	1030·3	0	N	4	b	57	92	8	-	-	0	-	0	1030·0	0	N'W	4	bc	59	92	8	4000	Cu	1	CuCu	3	1
Plymouth (Cattewater)	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1029·3	0	NNW	1	b	60	75	8	-	-	0	Cu	1	0
Portland Bill	32	1028·9	0	-	0	b	59	85	6	-	-	0	-	0	1028·1	-1	NNW	2	bc	63	85	6	4000	StCu	3	-	3	0
Southampton (Calshot)	10	1029·3	0	-	0	b-	59	92	6	-	-	0	-	0	1028·3	0	W	2	b	60	~~[illegible]~~ 85	6	-	-	0	-	0	0
Dungeness	20	1028·9	+1	N	1	b-	52	97	8	-	-	0	-	0	1027·6	-1	NNW	1	bc-	60	75	7	1500	Cu	2	CuSt	5	1
Guernsey (Fort George) P	295	1030·0	+2	-	0	b-	57	92	8	-	-	0	-	0	1028·6	0	NE	1	b	65	65	7	-	-	0	-	0	0

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

Stations (1)	Weather Forenoon (2)	Weather Afternoon (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	bc	bcc	51	69	-	-	10·3	10·8
Douglas (I. o. M.)	bc	bc	49	63	-	-	8·5	15·0
Llandudno	bc	b	48	63	-	-	12·3	14·2
Colwyn Bay	b	b	49	63	-	-	12·0	12·0
Rhyl	bcb	bbcb	45	63	-	-	11·2	15·3
Wallasey	b	b	56	66	-	-	12·5	11·6
Southport	b	b	#54	62	-	-	12·5	13·0
Blackpool	cbcb	cbcbbc	55	63	-	-	11·8	13·9
Ilkley	b	b	48	75	-	-	11·8	13·6
Cleethorpes	b	b	49	80	-	-	11·8	14·7
Skegness	bcb	bbc	49	68	-	-	11·8	13·7
Aberystwyth	bbc	b	49	66	-	-	11·2	12·9
Bath	b	b	53	78	-	-	10·5	13·3
Cheltenham‡	czbc	bby	48	79	-	-	10·9	13·2
Leamington Spa	bc	bc	51	77	-	-	9·8	11·4
Lowestoft	b	b	53	63	-	-	10·8	11·7
Harwich & Dovercourt	bc	bc	54	67	-	-	12·7	13·1
Maldon	bbc	bcb	53	70	-	-	8·1	11·7
Southend	bcc	bc	53	70	-	-	9·8	14·2
Ilfracombe	b	b	56	69	-	-	12·0	8·6
Bude	bcb	b	46	72	-	-	11·6	9·1
Penzance	b	bz	56	73	-	-	11·4	6·7
Paignton	bmy	b	55	72	-	-	11·4	10·7
Torquay	bzb	bzy	55	75	-	-	11·9	11·0
Jersey	b	b	58	73	-	-	12·3	14·8
Weymouth	bby	bz	55	74	-	-	11·5	11·8
Bournemouth	b	b	53	73	-	-	11·5	13·8
Ventnor	bz	bz	59	69	-	-	11·5	14·2
Portsmouth (S'thsea)	b	b	59	75	-	-	11·5	13·6
Bognor	b	b	56	71	-	-	11·6	12·2
Littlehampton	b	b	56	72	-	-	11·6	12·2
Worthing	b	b	56	74	-	-	11·8	13·2
Brighton	b	b	55	73	-	-	11·5	13·0
Eastbourne	b	b	54	69	-	-	11·7	12·5
Hastings‡	b	b	54	71	-	-	12·2	14·2
Folkestone	b	bcv	56	72	-	-	11·2	14·2
Dover	bc	bcb	57	69	-	-	11·3	14·5
Tunbridge Wells	bc	b	52	78	-	-	9·4	13·8
Ramsgate	bbc	bcb	56	65	-	-	10·9	14·3
Margate	bc	bc	57	64	-	-	11·3	14·6
Deal	bc	bc	57	70	-	-	11·9	14·6

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. 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.24,346 Thursday 19th July 1928.

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

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	1012.1	+3	W'N	3	cjp	54	75	8	2500	CuNb	8	-	8	·
Stornoway	1019.1	+2	NW	4	c	57	75	7	4000	CuNb	8	-	8	·
Wick	1017.8	+3	WNW	4	c	56	65	8	1500	Nb	5	CiSt	8	·
Tiree	1023.2	+2	NW	4	c	56	85	7	1500	StCu	8	-	8	1
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	1018.2	0	WNW	3	c	63	55	8	2500	Cu	7	CiSt	8	0
Malin Head	1024.8	+1	W	5	c	57	85	8	4000	StCu	9	-	9	·
Renfrew	1022.5	+1	W	4	c	59	65	8	2500	StCu	6	ASt	9	0
Edinburgh (Inchkeith)	1019.4	0	W	5	c	58	65	8	4000	Cu	4	Ci	8	·
Leuchars	1018.8	+1	WNW	4	c	66	55	8	4000	StCu	6	ASt	9	0
Eskdalemuir	1021.9	0	W	4	c	59	65	7	2500	StCu	8	ACu	9	0
Tynemouth	1020.0	-2	W	6	bc	67	55	7	1500	Cu	5	Ci	6	·
Blacksod Point	1027.7	+1	W	3	c	60	85	7	·	-	0	ASt	10	·
Donaghadee	1024.6	+1	WNW	3	c	61	75	8	4000	StCu	8	-	8	·
Birr Castle	1027.8	·	SW	4	c	62	75	7	2500	StCu	9	-	9	·
Holyhead	1027.2	0	W'S	4	c	60	85	8	2500	St	10	-	10	0
Liverpool (Bidston)	1025.?	-1	W	5	c	60 (68)	75	8	4000	St	9	·	9	·
Chester (Sealand)	1025.6	-1	WNW	5	c	66	75	8	4000	Cu	8	-	8	0
Harrogate	1023.8	0	SWW	5	c	60	85	8	4000	Nb	9	ASt	10	·
Spurn Head	1022.8	0	WNW	6	bc	65	75	6	4000	Cu	6	-	6	·
Birmingham (Edgbaston)	1024.0	-2	WNW	5	bc	75	35	8	-	-	0	ACu	6	0
Cranwell	1024.3	-1	WNW	4	bc	72	55	7	5700	Cu	3	Ci	4	0
Gorleston	1022.?	-3	W'N	3	c	78	35	6	4000	StCu	8	-	8	·
Valentia (Cahirciveen)	1030.8	0	NW'W	3	bc	61	75	8	1500	StCu	7	-	7	0
Roches Point	1026.7	-1	SW	2	b	63	85	8	-	-	0	-	0	·
Pembroke (St. Ann's H.)	1028.1	-1	WNW	3	bc+	63	85	8	-	-	0	Ci	4	·
Ross-on-Wye	1024.4	-1	WNW	3	vbc+	78	35	9	-	-	0	Ci	6	0
Leafield	1024.4	-4	W'N	4	bc+	78	45	8	-	-	0	CiSt	6	0
Winchester (Worthy Dn.)	1025.2	-3	W	4	bc+	80	45	8	-	-	0	CiSt	5	0
S. Farnborough	1024.4	-4	W'N	3	bc	84	35	7	-	-	0	Ci	5	0
London (Kew Obsy.)	1024.2	-3	WSW	3	bc	79	35	8	-	-	0	Ci	4	0
Croydon	1024.2	-4	W	3	bc+	82	25	7	-	-	0	Ci	5	0
Shoeburyness	1023.6	-4	WSW	4	bc+	80	25	8	-	-	0	ACu	5	·
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Felixstowe	1024.1	-2	W	3	bc	81	35	8	-	-	0	Ci	5	0
Lympne	1024.4	-3	SW	3	b+	77	55	7	-	-	0	CiCu	2	0
Scilly (St. Mary's)	1029.7	0	NNW	3	b	69	85	8	-	-	0	-	0	·
Falmouth (Pendennis)	1029.2	-1	WNW	2	b	73	75	8	4000	Cu	2	Ci	2	·
Plymouth (Cattewater)	1027.9	-2	NNW	3	b	77	45	8	-	-	0	Ci	1	0
Portland Bill	1026.9	-1	SW	3	bc+	67	75	8	-	-	0	Ci	6	·
Southampton (Calshot)	1025.7	-3	WNW	4	bc+	79	35	8	-	-	0	Ci	4	0
Dungeness	1025.8	-2	SW	2	b-	68	75	7	-	-	0	CiSt	2	·
Guernsey (Fort George)	1023.4	-1	NW	1	b	72	55	8	-	-	0	ACu	1	·

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

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	1013.5	+1	W'N	3	cjp	53	85	8	2500	StCu	9	-	9	·
Stornoway	1020.3	+1	NW	4	c+	56	75	7	4000	CuNb	10	-	10	3
Wick	1018.2	+1	WNW	4	c	53	75	8	1500	CuNb	7	CiSt	9	0
Tiree	1023.6	0	WNW	4	bc	55	85	6	1600	CuNb	6	-	6	1
Nairn	1019.5	·	W	5	bc	60	75	8	4000	Cu	5	·	5	·
Aberdeen	1015.1	+1	NW	4	bc	59	65	8	4000	Cu	3	Ci	6	0
Malin Head	1024.8	0	W'N	5	cjp	56	85	8	4000	StCu	10	-	10	4
Renfrew	1022.8	0	W	4	c	57	75	9	2500	StCu	7	CiSt	10	·
Edinburgh (Inchkeith)	1021.1	0	WSW	4	bc	58	75	9	-	-	0	ACu	6	2
Leuchars	1019.8	+1	WSW	4	vbc	61	65	9	4000	StCu	3	ASt	7	·
Eskdalemuir	1022.1	-1	W'N	4	c	55	75	8	2500	StCu	8	ACu	9	·
Tynemouth	1020.8	+1	W	5	bc	64	55	8	1500	Cu	3	Ci	4	1
Blacksod Point	1027.8	0	W	2	c	58	97	6	·	-	0	ASt	10	1
Donaghadee	1024.4	0	W	1	c-	59	85	8	2500	StCu	8	-	8	1
Birr Castle	1027.3	·	SW	4	c	62	85	7	2500	StCu	9	-	9	·
Holyhead	1026.3	-1	SW	3	c	59	85	8	2500	St	10	-	10	1
Liverpool (Bidston)	1025.4	0	W	5	cjp	58	85	8	1500	CuNb	6	ASt	10	·
Chester (Sealand)	1025.4	-1	WNW	5	od	61	75	7	2500	St	10	-	10	·
Harrogate	1023.2	0	SW	3	bc-	58	85	8	4000	Nb	2	CiSt	4	·
Spurn Head	1021.6	-1	W'N	6	c	63	75	7	4000	Cu	6	CiCu	8	3
Birmingham (Edgbaston)	1024.6	+1	NNW	4	bc+	66	65	8	4000	St	4	Ci	7	·
Cranwell	1023.8	0	NW'W	5	c	65	75	8	2500	StCu	7	Ci	9	·
Gorleston	1022.1	0	N'E	4	c	68	65	6	5700	StCu	4	CiSt	8	0
Valentia (Cahirciveen)	1030.1	-2	NW'W	3	bc	59	75	8	1500	StCu	7	-	7	0
Roches Point	1027.6	-2	N	2	b	67	65	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1027.0	-1	WNW	3	bc	62	85	8	-	-	0	CiCu	5	0
Ross-on-Wye	102? (+1)	-1	NW	4	vbc	70	55	9	4000	Cu	1	Ci	5	·
Leafield	1023.7	-1	NW'W	4	vbc-	73	45	9	5700	Cu	1	Ci	4	·
Winchester (Worthy Dn.)	1023.7	-2	W'N	5	bcv	76	45	9	-	-	0	Ci	4	·
S. Farnborough	1023.1	0	WNW	3	bc	79	45	7	-	-	0	Ci	5	·
London (Kew Obsy.)	1022.8	-1	NW	3	bc	80	35	8	4000	Cu	1	Ci	5	·
Croydon	1022.8	-1	WNW	4	bc	80	35	7	5700	Cu	1	Ci	5	·
Shoeburyness	1021.7	-2	NNW	2	bc	80	45	8	-	-	0	CiSt	5	·
Clacton-on-Sea	1022.0	-1	W	3	bc	78	45	7	5700	StCu	4	Ci	6	1
Felixstowe	1022.1	-1	NE	3	c	68	65	7	7200	StCu	8	-	8	3
Lympne	1022.1	-1	WSW	3	bc	72	65	7	-	-	0	Ci	3	·
Scilly (St. Mary's)	1028.8	-2	NW	3	b	64	85	8	4000	Cu	2	-	2	1
Falmouth (Pendennis)	1028.1	-2	NW	3	b	69	85	8	4000	Cu	1	CiCu	2	0
Plymouth (Cattewater)	1026.4	-2	NNW	4	b	72	35	8	-	-	0	Ci	1	0
Portland Bill	1024.9	-2	SW	3	bc	66	75	8	-	-	0	Ci	7	0
Southampton (Calshot)	1023.7	-2	NW'W	4	bc	76	35	8	-	-	0	Ci	4	0
Dungeness	1022.6	-4	WSW	4	bc+	66	75	7	-	-	0	CiCu	4	4
Guernsey (Fort George)	1026.7	-2	NW	3	b	68	65	8	-	-	0	Ci	1	2

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	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 18h. G.M.T. % (To-day)	Visibility 18h.
Kew	18	bbcy	bbcy	bcb,c	83	61	56	-	-	13.3	·	·	8
Croydon	244	b2bcy	bcy	bczc	85	61	59	-	-	13.9	·	·	7
Greenwich (Royal Obsy.)	149	bzy	by	bc	88	60	52	·	·	14.2	30	66	7
City (Bunhill Row)	86	·	·	·	86	65	50	-	-	13.3	39	66	·
Westminster (St. James' Pk.)	27	·	·	·	·	·	·	·	·	13.8	·	63	·
Regent's Pk. (Botanic Gdns.)	183	·	·	·	·	·	·	·	·	13.6	·	·	·
Camden Square	110	b	b	·	87	61	·	-	-	·	(At 18h) 29	66	·
Kensington Palace	80	b	b	·	86	61	55	-	-	·	·	44	·
Hampstead Observatory	450	·	·	·	86	54	48	-	-	13.8	·	·	·

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 19H.

South Kensington Max.	Time.	Min.	Time.
0.6	8h 18h	<0.3	14h 18h

Kew Observatory Max.	Time.	Min.	Time.
0.1	4h 19h	<0.1	18h 18h

POLE STAR RECORD at Greenwich Obsy.

Exposure from 18H 21h 30m. to 19H 02h 45m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5.15	1.55	37
δ Ursae Minoris	5.15	1.43	33

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 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.

19th–20th July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.54	11.59	20.3
	3.56	11.59	20.7
Greenwich	4.7	12.6	20.5
	4.8	12.6	20.3
Wick	3.38	12.19	20.58
	3.40	12.19	20.56
Valentia	4.45	12.47	20.49
	4.47	12.47	20.47

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 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.

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.	

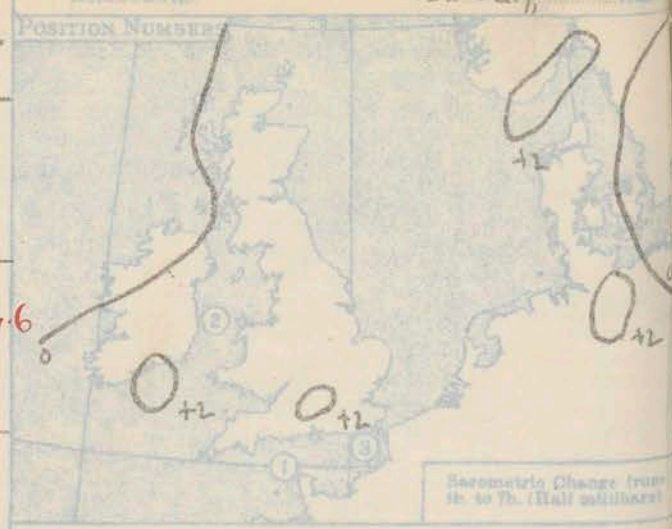
† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 18H.	13h.-18h. 18H.	18h. 18H. to 1h. 19H.	1h.-7h. 19H.	Temperature. Max. Day 7h.-18h.	Min. Night 18h.-7h.	Min. on Grass	Rainfall.† Day 7h.-18h. mm	began.	Night 18h.-7h. mm.	began.	Sun 18H. Hours.
Lerwick	c1p.r	c1p.r	c	cbc	55	48	.	Tr.	<8.00	–	–	3.2
Stornoway	r d	c	c	c	58	50	.	0.3	.	Tr.	6.30	4.8
Wick	cp.rc	c	c	cid.	56	50	.	0.3	9.00	0.2	5.30	.
Tiree	pdc	pd.c	cbc	pd.o	58	50	48	0.1	<9.00	0.2	<21.00	3.5
Nairn	bcq	bcq	bcc	c	66	49	.	–	–	–	–	5.8
Aberdeen	cp.rc	cybc	bcc	c	66	50	42	3.2	9.00	–	–	4.3
Malin Head	emarc	c	cpocjpc	c	57	53	.	0.3	<8.00	0.1	<21.00	0.0
Renfrew	cr.oqc	c	c	c	61	52	49	Tr.	<8.00	–	–	2.6
Edinburgh (Inchkeith)	c	cbc	bcb	bc	61	50	47	–	–	–	–	7.6
Leuchars	cy	cycbc	bc	bcc	67	48	40	–	–	–	–	8.5
Eskdalemuir	oidmc	c	c	c	60	48	48	Tr.	<8.00	–	–	1.3
Tynemouth	bccbcq	bcq	bcq	bc	68	51	45	–	–	–	–	.
Blacksod Point	c	o	o	o	61	55	.	0.2	.	Tr.	–	.
Donaghadee	c	c	c	c	64	55	.	–	–	–	–	.
Birr Castle	c	c	c	c	65	56	54	–	–	–	–	3.2
Holyhead	c	c	co	ocm.c	61	57	56	–	–	–	–	1.9
Liverpool (Bidston)	c	cpco	cpoc	c	60	56	53	–	–	Tr.	<21.00	3.3
Chester (Sealand)	c	c	d.c	c	66	57	55	Tr.	17.30	Tr.	<21.00	7.6
Harrogate	c	cbcid.	bc	bc	62	50	46	Tr.	16.30	–	–	0.7
Spurn Head	bc	bcc	bc	bc	66	55	.	–	–	–	–	7.4
Birmingham (Edgbaston)	bc	bc	bcc	c	77	58	55	–	–	–	–	11.2
Cranwell	cbc	bcyc	c	c	72	54	52	–	–	–	–	6.0
Gorleston	bc	c	cbcb	bbcc	80	53	49	–	–	–	–	8.0
Valentia (Cahirciveen)	ocbc	bcbc	bcco	c	62	56	54	–	–	–	–	6.8
Roches Point	b	b	b	bbcc	70	55	.	–	–	–	–	.
Pembroke (St. Ann's H.)	b	bc	bcb	bbc	64	55	.	–	–	–	–	13.7
Ross-on-Wye	bcbbc	bcvy	bcybvc	c	81	60	56	–	–	–	–	13.6
Leafield	bcy	bcy	c	c	73	57	54	–	–	–	–	13.0
Winchester (Worthy Dn.)	bm by	bcbcvy	byv	bbcc	82	51	45	–	–	–	–	12.4
S. Farnborough	bbcy	bcy	bcyb	bcc	86	59	59	–	–	–	–	13.5
London (Kew Obsy.)	bbcy	bbcy	bcb	c	83	61	56	–	–	–	–	13.3
Croydon	bzbcy	bcy	bczoc	c	85	61	59	–	–	–	–	13.9
Shoeburyness	bzbcy	bcy	bc	c	85	55	47	–	–	–	–	13.2
Clacton-on-Sea	bcy	bcy	bc	bc	83	56	51	–	–	–	–	12.1
Felixstowe	by	bcyc	c	c	82	57	53	–	–	–	–	11.6
Lympne	bzby	bybc	bcmob	bcemo	79	54	48	–	–	–	–	13.2
Scilly (St. Mary's)	b	b	b	b	70	56	.	–	–	–	–	14.1
Falmouth (Pendennis)	bcb	b	b	bbc	74	57	.	–	–	–	–	14.8
Plymouth (Cattewater)	by	by	by	bwc	78	56	49	–	–	–	–	14.5
Portland Bill	bc	bc	bcb	bbcb	69	59	.	–	–	–	–	.
Southampton (Calshot)	bm bbcy	bcy	bcyb	bbcc	81	56	52	–	–	–	–	13.0
Dungeness	bcobcb	bbcc	bcbbz	bcc	69	52	.	–	–	–	–	.
Guernsey	by	b	b	b	74	57	.	–	–	–	–	14.3

Isallobars — 19H July, 1928.

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.	Visibility.
2	18th 10h	SCOTIA	W'N	4	c	59	53	7
61	18th 12h	St. HELIER	N	3	bc–	63	59	7
3	19th 2h	BRIGHTON	N	3	b–	61	60	7

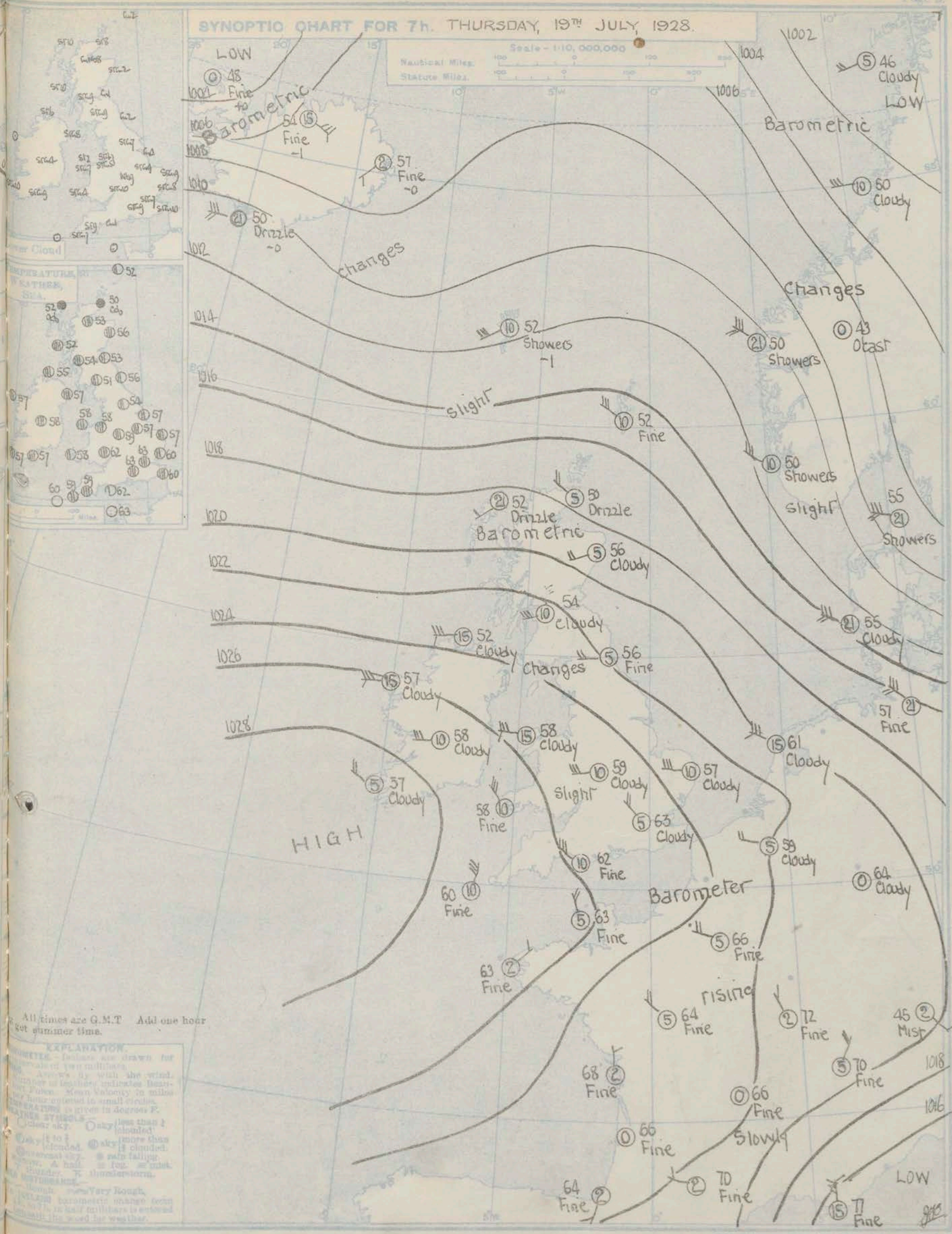
General Inference.

A large anticyclone off Southwest Ireland remains stationary. Winds will be northwesterly, and weather mainly cloudy with moderate temperature. Local drizzle will occur in the extreme northwest and north.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Thursday, 19th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind northwest, light or moderate; cloudy with some brighter intervals; cooler than of late.	Similar.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind west light or moderate, fresh locally; cloudy, with brighter intervals; moderate temperature.	
12. S.W. Scotland & Isle of Man 13. (A) W. Scotland (B) N.W. Scotland	Wind west, light or moderate; cloudy, slight drizzle locally; moderate temperature.	
14. Mid-Scotland 15. N.E. Scotland	As 7 - 11.	
16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	As 12 - 13.	
19. S.E. Ireland 20. S.W. Ireland	As 7 - 11.	

† Tr. means rain has fallen, but amount less than 0.1 mm.

SYNOPTIC CHART FOR 7h. THURSDAY, 19TH JULY, 1928.



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

EXPLANATION.

BAROMETER - Isobars are drawn for intervals of ten 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.

MARINER SYMBOLS - Clear sky. Sky less than ½ clouded. Sky ½ to ½ clouded. Sky more than ½ clouded. Overcast sky. Rain falling. Snow. A hail. Fog. Mist. Shower. T. thunderstorm.

SEA DISTURBANCE - Smooth. Rough. Very Rough.

PRESSURE - Barometric change being in 3h. in half millibars is entered beneath the wind for weather.

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....Thursday, 19th July,.....1928. No. 201.

Stations.	Height above M.S.L. in feet.	Observations at 18. G.M.T. 19th. 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	Low. Form	Low. Amt. 0-10	Upper Form	Total Amt. 0-10	Observations at 7h. G.M.T. 19th. 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	Low. Form	Low. Amt. 0-10	Upper Form	Total Amt. 0-10	Sea. 0-6
Lerwick	84	1018.8	0	WNW	3	c	50	92	8	2500	Cu	6	Ci	8	1014.2	+1	NW	3	bc	52	75	8	2500	Cu	2	acu	3	.
Stornoway	30	1020.4	0	NW	3	c	.	.	6	.	.	.	.	10	1018.6	0	SW	1	odo	52	92	7	2500	St	10	–	10	0
Wick	81	1018.6	0	WNW	1	c	52	85	8	2500	StCu	6	ast	10	1017.7	0	NW	2	c.do	50	92	8	1500	St	8	ast	10	0
Tiree	33	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.2	0	WNW	3	o	52	92	7	800	St	10	–	10	1
Nairn	89	.	.	.	.	.	.	.	.	.	.	.	.	.	1019.1	.	–	0	c	53	85	8	4000	CuNb	8	–	8	.
Aberdeen	48	.	.	.	.	.	.	.	.	.	.	.	.	.	1018.7	0	WSW	2	c	56	65	8	4000	StCu	2	ast	9	0
Malin Head	51	1024.8	-1	W	3	c	55	92	7	5700	StCu	9	–	9	1023.9	0	W	4	c	55	85	6	800	St	6	ast	10	1
Renfrew	56	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.4	0	WSW	3	c	54	85	8	4000	StCu	9	acu	9	.
Edinburgh (Inchkeith)	100	1021.6	+1	WSW	3	b	51	92	8	—	–	0	acu	1	1020.8	+1	W	3	bc	53	85	8	4000	Cu	1	Ci St	5	1
Leuchars	40	.	.	.	.	.	.	.	.	.	.	.	.	.	1018.8	0	WSW	3	c+	53	85	8	–	–	0	acu	9	.
Eskdalemuir	794	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.4	0	W	3	c	51	85	8	2500	StCu	9	–	9	.
Tynemouth	67	1021.2	0	W	3	b-	52	85	7	1500	Cu	1	–	1	1021.0	+1	W	2	bc	56	65	7	1500	Cu	2	Ci	4	0
Blacksod Point ...	18	1026.8	0	W	3	c	57	92	5	.	–	0	ast	10	1026.1	-1	W	4	c	57	92	5	.	–	0	ast	10	3
Donaghadee	40	.	.	.	.	.	.	.	.	.	.	.	.	.	1023.7	0	NW	2	c	57	85	8	2500	StCu	8	–	8	1
Birr Castle	178	.	.	.	.	.	.	.	.	.	.	.	.	.	1026.8	.	W	3	c	58	85	7	2500	StCu	4	ast	9	.
Holyhead	26	1025.7	-1	WNW	4	o	58	92	8	2500	St	10	–	10	1025.1	0	WN	4	c	58	92	7	4000	StCu	9	–	9	1
Liverpool (Bidston) ...	169	.	.	.	.	.	.	.	.	.	.	.	.	.	1024.5	0	WNW	3	c	58	85	7	2500	StCu	9	–	9	.
Chester (Sealand) ...	16	.	.	.	.	.	.	.	.	.	.	.	.	.	1024.3	+1	NWW	4	c	59	75	8	2500	St	10	–	10	.
Harrogate	476	1021.7	0	WNW	5	bc	57	85	7	4000	CuNb	7	–	7	1023.1	0	W	3	bc	54	75	8	4000	StCu	7	–	7	.
Spurn Head	29	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.4	0	NWN	5	bc	57	75	7	4000	Cu	4	acu	7	3
Birmingham (Edgbaston)	535	.	.	.	.	.	.	.	.	.	.	.	.	.	1025.1	0	WSW	3	c	59	75	8	2500	Nb	9	–	9	.
Cranwell	236	1024.3	0	WNW	2	bc-	56	92	7	4000	StCu	6	–	6	1024.5	+1	WNW	3	c	57	85	6	2500	StCu	9	–	9	.
Gorleston	14	1022.3	0	WNW	3	b	58	85	7	–	–	0	–	0	1022.6	+1	WNW	3	c	57	85	6	5700	StCu	9	–	9	0
Valentia (Cahireiveen) ‡	30	1029.3	-1	WN	2	c	57	97	9	.	StCu	8	–	8	1029.2	+1	NW	2	c	57	75	8	1500	StCu	10	–	10	0
Roches Point	22	.	.	.	.	.	.	.	.	.	.	.	.	.	1028.2	+2	N	3	c	57	85	8	4000	StCu	9	–	9	0
Pembroke (St. Ann's H.)	160	1026.5	0	NW	2	b	57	92	8	–	–	0	CiSt	1	1026.7	+1	NNW	3	bc+	58	92	8	2500	StCu	4	acu	7	0
Ross-on-Wye	223	.	.	.	.	.	.	.	.	.	.	.	.	.	1024.9	0	NW	2	c	62	65	8	4000	StCu	10	–	10	.
Leafield	612	.	.	.	.	.	.	.	.	.	.	.	.	.	1025.1	+1	NW	3	c	59	85	9	1500	StCu	9	–	9	.
Winchester (Worthy Dn.)	372	.	.	.	.	.	.	.	.	.	.	.	.	.	1024.8	0	WNW	2	c	62	85	8	4000	StCu	9	–	9	.
S. Farnborough ...	230	.	.	.	.	.	.	.	.	.	.	.	.	.	1024.6	0	NWW	3	c	63	75	7	4000	StCu	9	–	9	.
London (Kew Obsy.) ...	18	.	.	.	.	.	.	.	.	.	.	.	.	.	1024.4	0	NNW	2	c	63	75	7	2500	StCu	7	acu	9	.
Croydon	244	1024.2	+1	N	2	c+	63	75	7	–	–	0	ast	10	1024.3	0	NNW	3	c	62	75	7	1500	St	9	–	9	.
Shoeburyness	21	.	.	.	.	.	.	.	.	.	.	.	.	.	1024.0	0	NW	3	c	61	75	7	5700	StCu	9	–	9	.
Clacton-on-Sea ...	54	.	.	.	.	.	.	.	.	.	.	.	.	.	1023.4	+1	WNW	3	bc	60	85	7	7200	StCu	7	–	7	1
Felixstowe	15	.	.	.	.	.	.	.	.	.	.	.	.	.	1023.3	0	NNW	4	c	61	65	7	2500	StCu	8	ast	9	3
Lympne	160	1023.7	+2	N	2	b-	59	85	7	–	–	0	acu	2	1023.7	+1	NNW	3	c+	60	85	6	4000	StCu	9	–	9	.
Scilly (St. Mary's) ...	163	1028.0	-1	NNW	3	b	58	97	8	–	–	0	–	0	1027.5	0	NNE	3	b	66	97	7	–	–	0	–	0	1
Falmouth (Pendennis)	200	1028.1	+1	N	1	b	58	97	7	–	–	0	–	0	1027.2	0	NNW	1	bc+	59	97	7	4000	StCu	7	–	7	0
Plymouth (Cattewater)	89	.	.	.	.	.	.	.	.	.	.	.	.	.	1026.6	0	NNW	2	c	59	92	7	800	St	9	–	9	0
Portland Bill	52	1025.2	+1	W	1	b	60	85	8	4000	StCu	1	–	1	1025.2	0	NW	3	b-	62	85	6	2500	Cu	1	acu	2	0
Southampton (Calshot)	10	1024.8	+1	NNW	2	b	62	75	8	–	–	0	–	0	1025.1	+1	NW	2	c+	60	85	7	4000	StCu	9	–	9	0
Dungeness	30	1023.9	+1	N	1	b-	59	85	6	–	–	0	–	0	1024.5	+1	NW	1	c+	60	85	6	4000	StCu	10	–	10	.
Guernsey (Fort George) ‡	296	1026.0	-1	WNW	1	b-	58	85	8	–	–	0	–	0	1026.5	+1	NNW	2	b	63	85	7	–	–	0	–	0	1

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-17th. to 9h. 18th. °F.	Temperature. Max. 9h.-17th. 18th. °F.	Rainfall.† Night 17h.-9h. 17th.-18th. mm.	Rainfall.† Day 9h.-17h. 18th. mm.	Sunshine. Sunrise to 17h. 18th. hr.	Sunshine. Sunrise to Sunset. 17th. hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	c	c	55	65	–	–	6.3	11.3
Douglas (I. o. M.) ...	cdc	cdc	53	60	–	0.5	0.1	9.3
Llandudno ...	c	co	56	63	–	–	4.6	14.8
Colwyn Bay ...	bbcc	cbcc	57	65	–	–	3.1	14.3
Rhyl	bbcb	bcb	54	65	–	–	7.5	14.1
Wallasey	bcc	bcco	55	63	–	–	2.2	14.8
Southport	oco	odo	*54	61	–	–	0.8	14.9
Blackpool	o	o	55	61	–	–	0.0	14.1
Ilkley	c	c	53	62	–	–	0.2	13.6
Cleethorpes	cb	bcc	55	70	–	–	6.9	12.6
Skegness	bc	bcc	55	73	–	–	9.3	13.6
Aberystwyth ...	bc	bc	52	64	–	–	11.4	14.0
Bath	b	b	53	77	–	–	11.5	12.9
Cheltenham ...	bw	bby	54	82	–	–	11.7	13.0
Leamington Spa ...	bc	bc	54	80	–	–	10.2	12.0
Lowestoft	bbcc	c	53	81	–	–	5.6	13.0
Harwich & Dovercourt	bz	bcz	54	82	–	–	11.4	15.0
Maldon	b	b	50	84	–	–	11.0	10.3
Southend	bz	bc	56	86	–	–	11.9	12.1

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	b	b	55	67	–	–	12.0	14.6
Bude	bcb	b	44	68	–	–	11.4	14.4
Penzance	b	b	55	75	–	–	11.4	14.1
Paignton	bzy	bby	54	84	–	–	11.9	13.6
Torquay	by	bbg	56	83	–	–	12.1	13.8
Jersey	b	b	61	71	–	–	12.3	15.0
Weymouth	bby	b	54	75	–	–	11.6	13.3
Bournemouth ...	b	b	54	85	–	–	11.5	13.7
Ventnor ...	bz	bbz	57	75	–	–	11.8	13.5
Portsmouth (S'thsea)	b	b	57	83	–	–	11.4	13.7
Bognor	b	b	52	83	–	–	11.5	12.7
Littlehampton ...	bc	bc	49	79	–	–	10.7	14.0
Worthing	b	bbcb	51	76	–	–	11.6	14.3
Brighton	b	b	56	74	–	–	11.5	13.9
Eastbourne	by	b	53	74	–	–	12.2	14.3
Hastings‡	b	b	53	74	–	–	12.3	14.6
Folkestone	b	b	51	74	–	–	11.7	13.8
Dover	by	b	50	71	–	–	12.0	13.8
Tunbridge Wells ...	b	b	47	84	–	–	12.4	11.9
Ramsgate	b	b	54	84	–	–	12.1	13.4
Margate	bbc	bc	53	82	–	–	11.8	13.9
Deal	b	b	48	82	–	–	11.9	14.5

TERMS OF SUBSCRIPTION.—5/6 per quarter or 20/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information not usually received. ‡ The observations at 18. 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.24347. Friday 20th July 1928.

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

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	1013.7	-2	SW	2	c	54	75	8	1500	Cu	6	Ci.St	8	•
Stornoway	1017.7	0	W	4	o	56	85	7	2500	Nb	10	–	10	•
Wick	1017.0	-1	NW	1	c	56	75	8	2500	StCu	8	ASt	10	•
Tiree	1021.7	-2	NW'W	4	cd₀	56	92	6	450	Nb	9	–	9	1
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1018.6	-1	SE	3	bc	60	65	8	4000	Cu	2	ACu	6	0
Malin Head	1023.1	-1	W	4	cd₀	58	97	6	450	St	6	ASt	9	•
Renfrew	1021.9	0	W	4	c	58	75	8	2500	StCu	10	–	10	0
Edinburgh (Inchkeith)	1019.8	-1	SW	4	c	57	75	8	4000	Cu	3	ACu	8	•
Leuchars	1018.9	-1	W	3	c	66	55	8	4000	StCu	3	Ci.St	8	0
Eskdalemuir	1021.2	0	W	4	c	57	75	8	2500	StCu	6	Ci.St	10	0
Tynemouth	1020.4	-1	W	3	bc+	63	55	7	1500	CuNb	6	–	6	•
Blacksod Point	1025.6	+1	W	4	c	60	85	8	–	–	0	ASt	10	•
Donaghadee	1023.5	0	NW	2	c	63	75	8	2500	StCu	8	–	8	•
Birr Castle	1025.8	•	WNW	4	c	68	65	8	2500	StCu	8	–	8	•
Holyhead	1025.1	0	W	3	c	62	85	8	4000	StCu	10	–	10	0
Liverpool (Bidston)	1024.3	0	W'N	4	c	61	85	8	1500	CuNb	9	–	9	•
Chester (Sealand)	1024.2	0	NW'W	5	c	62	75	8	1500	StCu	9	–	9	0
Harrogate	1021.9	-1	W	4	bc	64	55	8	4000	StCu	3	–	3	•
Spurn Head	1022.4	0	NW'W	2	bc-	61	65	7	4000	Cu	3	–	3	•
Birmingham (Edgbaston)	1024.1	-1	WNW	3	bc	66	55	8	4000	StCu	7	–	7	0
Cranwell	1023.4	0	WNW	4	c	67	65	6	2500	StCu	8	–	8	0
Gorleston	1022.9	0	N'E	4	bc	60	75	6	5700	Cu	5	–	5	•
Valentia (Cahirciveen)	1028.5	0	W'N	2	bc	61	75	8	1500	StCu	1	Ci.Cu	3	0
Roches Point	1027.1	-1	N	1	vb	66	65	9	–	–	0	Ci.Cu	2	•
Pembroke (St. Ann's H.)	1026.4	-1	NW	3	b-	61	85	8	2500	Cu	1	ASt	2	•
Ross-on-Wye	1024.2	-1	NNW	3	c	68	55	8	4000	StCu	9	–	9	0
Leafield	1024.1	-1	NW'N	3	c-	66	55	8	4000	StCu	8	–	8	0
Winchester (Worthy Dn.)	1023.9	-1	WNW	2	bc-	71	55	8	4000	StCu	6	–	6	0
S. Farnborough	1024.0	0	W'N	2	c	70	55	8	2500	StCu	8	–	8	0
London (Kew Obsy.)	1023.9	-1	NNW	3	bc	69	45	8	5700	Cu	5	–	5	0
Croydon	1023.8	-1	NW'N	2	bc-	68	55	7	4000	Cu	6	–	6	0
Shoeburyness	1023.9	0	WNW	3	bc-	67	55	8	4000	Cu	3	ACu	6	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1023.3	-1	NW	3	c	65	55	8	4000	StCu	8	–	8	0
Lympne	1023.7	0	NNW	1	c-	65	65	7	2500	StCu	8	–	8	0
Scilly (St. Mary's)	1027.6	0	N	3	b	65	75	8	4000	Cu	2	–	2	•
Falmouth (Pendennis)	1026.6	-1	NNW	3	b	70	65	8	4000	Cu	1	Ci	2	•
Plymouth (Cattewater)	1025.7	-1	NW	2	b-	68	75	8	4000	Cu	<1	Ci	1	0
Portland Bill	1024.5	-1	WNW	3	c	68	65	8	2500	StCu	9	–	9	•
Southampton (Calshot)	1024.3	-1	NW	3	bc-	70	55	8	4000	Cu	6	–	6	0
Dungeness	1023.5	+1	N	1	c-	67	55	7	2500	Cu	8	Ci.St	9	•
Guernsey (Fort George)	1025.8	0	NNW	2	b	68	75	7	4000	Cu	1	–	1	•

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

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	1011.4	-3	SW	2	c/r	53	92	8	2500	StCu	6	Ci.St	8	•
Stornoway	1016.9	-1	WNW	4	c	55	85	7	4000	CuNb	10	–	10	3
Wick	1014.7	-2	NW	2	c	57	75	8	2500	StCu	8	Ci.St	10	0
Tiree	1021.0	-1	NW	4	c+	55	92	7	450	Nb	9	–	9	1
Nairn	1016.6	•	W	3	bc	58	75	8	2500	Cu	5	–	5	•
Aberdeen	1016.2	-3	–	0	b	58	75	7	4000	StCu	1	ACu	2	0
Malin Head	1022.8	-1	W	4	o	56	97	5	450	St	10	–	10	1
Renfrew	1020.0	-3	W'S	6	c	59	75	8	2500	StCu	5	Ci.St	10	•
Edinburgh (Inchkeith)	1018.1	-3	WSW	4	c	57	75	8	4000	Cu	3	Ci.St	9	2
Leuchars	1017.6	-1	WSW	3	c+	62	65	8	2500	StCu	3	Ci.St	9	•
Eskdalemuir	1019.9	-1	W'S	4	c	59	75	8	2500	StCu	7	Ci.St	9	•
Tynemouth	1018.8	-2	W	2	bc	63	65	7	1500	CuNb	6	–	6	0
Blacksod Point	1025.0	0	W	3	bc	60	85	8	•	–	0	Ci	5	2
Donaghadee	1022.1	-2	NW	3	bc+	63	85	7	2500	StCu	7	–	7	2
Birr Castle	1024.8	•	W	3	c	63	65	7	2500	StCu	9	–	9	•
Holyhead	1024.0	-2	SW	2	c	62	85	8	5700	StCu	9	–	9	0
Liverpool (Bidston)	1023.2	+1	W	4	c	62	75	8	2500	StCu	8	–	8	•
Chester (Sealand)	1023.3	-2	WNW	4	c	64	75	8	2500	StCu	9	–	9	•
Harrogate	1021.2	0	W	3	bc	62	65	8	4000	Cu	1	Ci.St	6	•
Spurn Head	1020.4	-2	W'N	5	c+	64	75	7	4000	Cu	4	ASt	9	2
Birmingham (Edgbaston)	1023.5	-1	NW	4	bc	65	65	8	4000	StCu	7	–	7	•
Cranwell	1022.6	-1	NW	4	c	65	65	7	2500	Cu	4	ASt	8	•
Gorleston	1022.8	0	SE	2	c	60	75	6	–	–	0	ASt	8	0
Valentia (Cahirciveen)	1027.8	-1	NW	4	bc	60	75	8	1500	StCu	5	ACu	7	0
Roches Point	1025.9	-2	SW	3	bc	60	85	8	2500	StCu	5	CiCu	7	0
Pembroke (St. Ann's H.)	1025.2	-2	WSW	1	b	62	85	8	4000	Cu	1	–	1	0
Ross-on-Wye	1023.8	-1	WNW	3	c+	67	55	8	4000	StCu	8	–	8	•
Leafield	1023.2	-2	NW'N	3	bc	66	65	8	4000	StCu	7	–	7	•
Winchester (Worthy Dn.)	1023.0	-1	WNW	3	bc	72	55	8	4000	Cu	3	Ci	4	•
S. Farnborough	1022.6	-2	NW	2	b-	71	45	8	4000	Cu	1	Ci	2	•
London (Kew Obsy.)	1022.4	-2	NNW	2	b	73	45	8	–	–	0	ACu	1	•
Croydon	1022.4	-2	NW'W	2	b-	70	45	7	5700	Cu	2	–	2	•
Shoeburyness	1022.2	-1	NW	3	bc	69	55	8	–	–	0	ACu	4	•
Clacton-on-Sea	1022.3	-1	NW	4	bc	69	55	6	5700	StCu	6	–	6	1
Felixstowe	1022.4	-2	SE	3	bc	64	75	8	1200	Cu	3	ASt	5	1
Lympne	1022.8	-1	SE'S	2	b-	62	85	6	–	–	0	–	0	•
Scilly (St. Mary's)	1026.6	-1	N'W	3	b	63	75	7	4000	Cu	1	–	1	1
Falmouth (Pendennis)	1025.7	-1	NW'N	2	b	66	65	8	4000	Cu	2	–	2	0
Plymouth (Cattewater)	1024.7	-1	NNW	4	b	67	65	8	–	–	0	–	0	0
Portland Bill	1022.9	-1	SSW	1	bc	63	85	8	2500	StCu	1	Ci	4	0
Southampton (Calshot)	1022.7	-2	NNW	3	b-	74	55	8	4000	StCu	1	–	1	0
Dungeness	1022.9	-2	SW	1	b-	63	85	7	–	–	0	–	0	0
Guernsey (Fort George)	1025.1	-1	NW	2	b	64	75	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 (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	cbcy	bcy	bcbcc	73	60	51	–	–	9.2	*	*	7
Croydon	246	cbcy	bcyp	byc	73	58	55	–	–	7.8	*	*	*
Greenwich (Royal Obsy.)	149	czy	cyb	bczem	75	60	50	–	–	7.5	49	63	7
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	7.9	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	74	61	54	–	•	8.4	45	66	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	9.2	•	64	•
Camden Square	110	c	bcb	•	75	60	•	–	–	•	•	64	•
Kensington Palace	80	bc	bc	•	74	60	51	–	–	•	{At 18h 49.}	68	•
Hampstead Observatory	450	•	•	•	72	53	44	–	–	8.7	•	•	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

Station	Max.	Time.	Min.	Time.
South Kensington	0.3	7h 20m	<0.3	21h 19m
Kew Observatory	0.1	1h 20m	<0.1	13h 19m

POLE STAR RECORD at Greenwich Obsy.

Exposure from 19th 21h. 30m. to 20th 2h. 45m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.15	1.29	25
δ Ursae Minoris	5.15	1.08	22

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.

20th-21st July 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.56 / 3.57	11.59 / 11.59	20.02 / 20.01
Greenwich	4.08 / 4.09	12.06 / 12.06	20.03 / 20.02
Wick	3.40 / 3.42	12.19 / 12.19	20.56 / 20.54
Valentia	4.47 / 4.48	12.47 / 12.47	20.47 / 20.45

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

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

§ 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.	

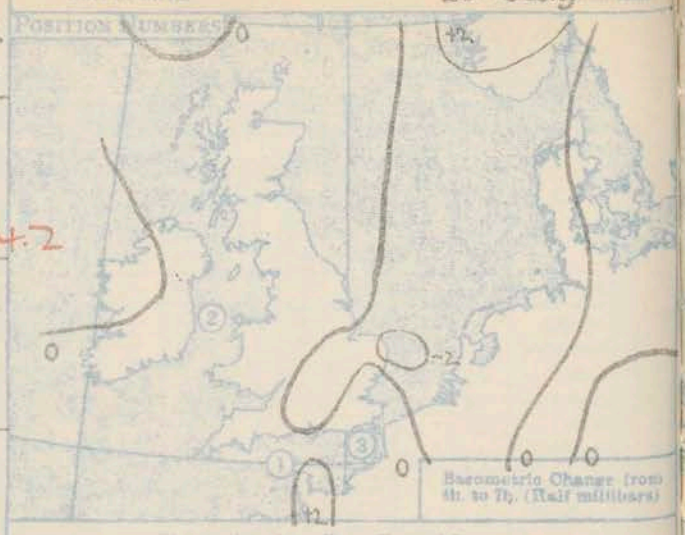
† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-18h. 19th	18h.-18h. 19th	18h. 19th to 1h. 20th	1h.-7h. 20th	Temperature. Max. Day 7h.-18h.	Min. Night 18h.-7h.	Min on Grass	Rainfall† Day 7h.-18h. mm	began.	Night 18h.-7h. mm.	began.	Sun 19th Hours.
Lerwick	c	od.c	o1.o1o	c1.o1o	56	50	•	Tr.	17.30	5	<21.00	7.6
Stornoway	p	o	c	o	57	51	•	Tr.	<8.00	Tr.	--	0.5
Wick	c1d.	c1d.c	c	c1.o1c	57	51	•	1	<8.00	0.2	2.30	•
Tiree	opd.	od.	ojp	o	57	52	51	0.5	<8.00	-	-	0.0
Nairn	cbc	bcq	bcq	bc	65	52	•	-	-	-	-	4.3
Aberdeen	cbc	cbcb	bcbw	c	62	47	39	-	-	-	-	~~2.4~~ 4.2
Malin Head	cmm.	commo	o1mdo	cmo	58	52	•	0.2	<8.00	0.1	<21.00	0.0
Renfrew	cdc	cdcq	c	c	60	53	52	Tr.	9.00	-	-	0.6
Edinburgh (Inchkeith)	bcc	c	bcb	bbcc	60	52	50	-	-	-	-	9.5
Leuchars	cbccy	cybcc	c	c	68	50	44	-	-	-	-	8.5
Eskdalemuir	c	c	c	c	60	50	49	-	-	-	-	4.1
Tynemouth	bc	bc	bccq	bcq	65	54	49	-	-	-	-	•
Blacksod Point	o	ob	b.o	boc	61	56	•	-	•	0.4	-	•
Donaghadee	c	cb.c	c	c	~~64~~ 64	57	•	Tr.	15.30	-	-	•
Birr Castle	c	c	cbc	bc	69	49	39	-	-	-	-	4.9
Holyhead	cp.	c	cbc	bcbc	64	57	55	-	-	-	-	0.0
Liverpool (Bidston)	c	c	c	c	63	57	54	Tr.	11.00	-	-	5.3
Chester (Sealand)	c	c	c	c	66	58	54	-	-	-	-	3.9
Harrogate	bc	bc	bcc	cbc	65	55	~~52~~ 52	-	-	-	-	9.~~1~~8
Spurn Head	bc	c	bc	bcc	66	57	•	-	-	-	-	4.2
Birmingham (Edgbaston)	cbc	bc	bbc	c	68	57	52	-	-	-	-	4.5
Cranwell	c	c	c	c	69	55	52	-	-	-	-	5.2
Gorleston	cbc	bcc	cb	bbcc	63	52	49	-	-	-	-	3.7
Valentia (Cahirciveen)	cbc	bcb	bcc	coc	62	56	54	-	-	-	-	8.2
Roches Point	cbcbv	bvbc	bcb	o	68	53	•	-	-	-	-	•
Pembroke (St. Ann's H.)	bc	b	bbc	bbc	64	55	•	-	-	-	-	11.1
Ross-on-Wye	c	cbcy	cbcb	cbc	72	58	49	-	-	-	-	4.3
Leafield	c	bc	c	c	70	56	55	-	-	-	-	4.2
Winchester (Worthy Dn.)	cbcy	bcy	bcy	bcc	75	53	49	-	-	-	-	7.6
S. Farnborough	cy	cby	bybcw	c	74	54	40	-	-	-	-	6.7
London (Kew Obsy.)	cbcy	bcy	bc	cbcc	73	60	51	-	-	-	-	9.2
Croydon	cbcy	bcyb	byc	c	73	58	55	-	-	-	-	7.8
Shoeburyness	cbc	bbc	bc	cdo	72	52	42	-	-	Tr.	4.30	7.3
Clacton-on-Sea	bccy	cbcy	bc	bc	70	55	50	-	-	-	-	6.1
Felixstowe	cy	cybc	bc	bcb	65	57	54	-	-	-	-	6.~~1~~6
Lympne	cmc	cbcbm.	bbcc	cmo	69	56	47	-	-	-	-	5.5
Scilly (St. Mary's)	b	bbc	b	bbcc	66	55	•	-	-	-	-	13.2
Falmouth (Pendennis)	bcb	b	b	bbc	70	55	•	-	-	-	-	13.5
Plymouth (Cattewater)	cb	b	b	bw	72	54	43	-	-	-	-	11.9
Portland Bill	bcc	cbc	bcb	bbc	68	57	•	-	-	-	-	•
Southampton (Calshot)	cbcy	bcyby	bybcb	bbc	74	55	~~53~~ 53	-	-	-	-	6.9
Dungeness	c	cbcb	cbcbz	bzccz	69	57	•	-	-	-	-	•
Guernsey	b	b	bw	b	69	56	•	-	-	-	-	14.2

ISALLOBARS — 20th July 1928

POSITION NUMBERS



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

Observations from Cross Channel Steamers.

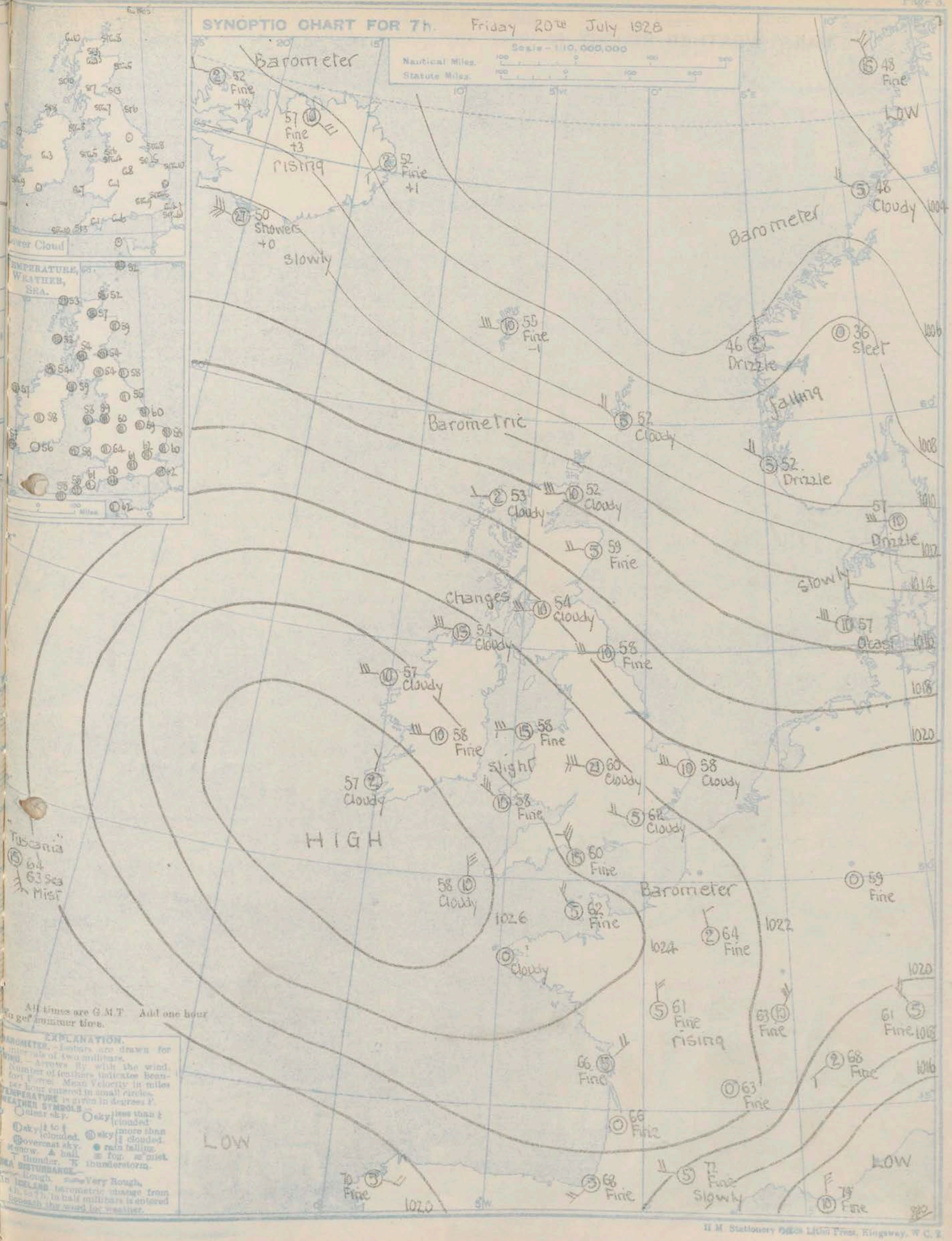
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
1	19th 12h	St. Julian	N'W	2	bcff	56	59	6
2	19th 10h	Scotia	W	3	c	60	55	6

GENERAL INFERENCE.

The anticyclone off Southwest Ireland remains stationary and no appreciable change of wind or weather is anticipated.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T Friday, 20th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind between west and northwest, light or moderate; bright and cloudy periods; moderate to rather high temperature.	Similar.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland	Wind west, moderate, fresh at times locally; cloudy with brighter intervals; moderate temperature.	
12. S.W. Scotland & Isle of Man 13. (A) W. Scotland (B) NW. Scotland	Wind west, moderate or fresh; cloudy, slight local drizzle; moderate temperature.	
14. Mid-Scotland 15. N.E. Scotland	As 7 - 11	
16. Orkneys and Shetlands 17. N.W. Ireland	As 12 - 13.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 - 6.	

† For code see page 4 † 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.....Friday....20th...July.............1928. No. 202.

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

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	1009.4	0	NW	2	ob/b	51	92	7	2500	Nb	10	–	10
Stornoway	30	1017.2	0	NW	4	c	*	*	6	*	*	*	*	10
Wick	81	1014.6	-1	W	3	c	53	85	8	2500	S/Cu	6	aSt	10
Tiree	33	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	33	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	48	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	81	1022.9	+1	W	4	c/r	55	92	7	5700	Nb	1	aSt	9
Renfrew	26	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	199	1018.3	+1	W	4	b	58	85	8	–	–	0	aCu	2
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	87	1017.8	-1	W	3	bc-	56	75	8	800	St	6	–	6
Blacksod Point	18	1024.9	0	–	0	c	58	85	5	*	–	0	aSt	10
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	178	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	28	1023.9	0	W'N	4	bc	58	92	7	4000	S/Cu	4	–	4
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	29	1019.6	0	W'S	4	bc	58	92	6	4000	St	5	–	5
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	236	1022.6	0	?	3	c	59	97	6	4000	S/Cu	5	Ci	8
Gorleston	14	1021.7	0	W	2	b	56	92	7	–	–	0	–	0
Valentia (Cahirciveen) ℙ	30	1027.8	0	NW	1	c	57	97	8	*	S/Cu	10	–	10
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	165	1024.7	0	NW	3	b-	57	85	8	2500	Cu	1	aSt	2
Ross-on-Wye	220	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Down)	272	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	62	*	*	*	*	*	*	*
Croydon	244	1023.8	+1	W'S	1	c+	61	75	7	5700	S/Cu	7	aSt	10
Shoeburyness	21	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1022.7	0	N'W	3	c+	59	85	7	4000	S/Cu	8	–	8
Scilly (St. Mary's)	163	1026.9	0	NNW	3	b	56	97	8	–	–	0	–	0
Falmouth (Pendennis)	200	1026.3	0	N	3	b	56	97	7	4000	Cu	2	–	2
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	32	1026.3	+1	NW	1	b	59	85	8	–	–	0	–	0
Southampton (Calshot)	10	1023.8	+1	NW	3	b	61	85	8	–	–	0	–	0
Dungeness	20	1022.8	+1	N	2	b	58	92	6	–	–	0	–	0
Guernsey (Fort George) ℙ	208	1025.0	0	–	0	b-	58	92	7	–	–	0	–	0

Observations at 7h. 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	Upper Form	Total Amt. 0-10	0-9
Lerwick	1009.5	0	NW	2	c/p	52	75	8	2500	CuNb	5	aSt	9	*
Stornoway	1016.8	0	W	1	c	53	92	7	4000	Cu	10	–	10	0
Wick	1014.8	0	W	3	c	52	85	8	2500	S/Cu	8	aSt	10	0
Tiree	1020.8	+1	NW	4	o	53	92	7	1500	St	10	–	10	1
Nairn	1017.3	0	W	1	bc	57	75	8	800	Cu	7	–	7	*
Aberdeen	1016.2	+1	W	3	bc	59	75	8	2500	S/Cu	5	Ci.St	7	0
Malin Head	1022.8	+1	W'N	4	c	54	97	6	450	St	8	aSt	10	1
Renfrew	1020.2	0	W	3	c	54	85	8	1500	St	10	–	10	*
Edinburgh (Inchkeith)	1018.3	0	W	4	c	54	85	8	1500	St	3	aSt	10	2
Leuchars	1017.3	0	WSW	3	c+	58	85	8	3500	Cu	1	Ci.St	10	*
Eskdalemuir	1020.1	+1	W	3	c	54	85	6	1500	S/Cu	7	Ci.St	10	*
Tynemouth	1018.1	+1	W	3	bc	58	75	7	1500	St	6	–	6	2
Blacksod Point	1024.9	0	W	3	c	57	92	6	*	–	0	aSt	10	1
Donaghadee	1022.2	0	WNW	2	c	59	75	8	2500	S/Cu	8	–	8	1
Birr Castle	1026.0	*	W	3	bc-	58	85	7	1500	Cu	3	–	3	*
Holyhead	1023.6	+1	W	4	bc	58	85	6	4000	S/Cu	5	–	5	1
Liverpool (Bidston)	1022.9	+1	W'N	3	c	59	85	7	2500	St	10	–	10	*
Chester (Sealand)	1022.6	+1	WNW	4	c	60	85	7	1500	S/Cu	8	–	8	*
Harrogate	1019.5	+1	SW	5	bc-	55	85	8	–	–	0	aSt	5	*
Spurn Head	1019.4	0	WNW	5	c	60	85	6	[illegible]	S/Cu	8	ASt	8	3
Birmingham (Edgbaston)	1022.7	0	WNW	5	c	60	75	8	2500	Cu	8	–	8	*
Cranwell	1021.7	0	WNW	2	c	59	85	6	2500	St	5	aSt	[illegible]	0
Gorleston	1020.1	-2	W'N	3	c	58	85	6	5700	S/Cu	10	–	10	0
Valentia (Cahirciveen) ℙ	1027.0	0	N'E	1	c	57	85	7	1500	S/Cu	9	–	9	0
Roches Point	1026.7	0	N	2	b	56	85	8	–	–	0	–	0	0
Pembroke (St. Ann's H.)	1024.5	0	NW	3	bc+	58	85	8	2500	Cu	7	–	7	0
Ross-on-Wye	1022.8	0	NW	3	bc	64	75	8	4000	Cu	1	Ci	3	*
Leafield	1022.9	0	W'N	3	bc-	60	85	8	4000	S/Cu	7	–	7	*
Winchester (Worthy Down)	1023.6	0	W'N	3	c	59	85	7	4000	S/Cu	9	–	9	*
S. Farnborough	1022.9	-1	W'N	2	c-	61	85	7	4000	S/Cu	9	–	9	*
London (Kew Obsy.)	1022.9	+1	W'N	2	c+	62	75	8	4000	S/Cu	5	aSt	9	*
Croydon	1023.0	+1	WNW	2	c+	62	75	7	5700	S/Cu	10	–	10	*
Shoeburyness	1022.1	0	WNW	2	bc	62	85	7	–	–	0	aSt	3	*
Clacton-on-Sea	1021.4	0	WNW	3	bc	60	85	7	5700	S/Cu	7	–	7	1
Felixstowe	1021.3	-1	WNW	3	b	61	85	7	–	–	0	Ci	2	5
Lympne	1021.5	+1	NW	3	c	59	85	6	5700	S/Cu	4	aCu	8	*
Scilly (St. Mary's)	1026.3	0	N	3	c	58	92	8	4000	S/Cu	10	–	10	1
Falmouth (Pendennis)	1025.9	+1	N'W	2	bc+	58	97	7	800	St	3	–	3	0
Plymouth (Cattewater)	1025.3	0	NNW	2	b	61	85	7	4000	Cu	1	–	1	2
Portland Bill	1025.9	0	NNW	4	bc+	60	75	8	4000	Cu	6	–	6	0
Southampton (Calshot)	1023.8	+1	NW	3	c+	60	85	7	5700	S/Cu	8	–	8	0
Dungeness	1022.2	+1	N	2	c+	62	75	6	1500	S/Cu	10	–	10	2
Guernsey (Fort George) ℙ	1025.3	+1	NNW	2	b	62	85	8	–	–	0	Ci	[illegible]	[illegible]

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

Stations (1)	Weather Forenoon (2)	Weather Afternoon (3)	Temperature Min. 9h. 18th to 9h. 19th °F (4)	Temperature Max. 9h.-17h. 19th °F (5)	Rainfall† Night 17h.-9h. 18th-19th mm. (6)	Rainfall† Day 9h.-17h. 19th mm. (7)	Sunshine Sunrise to 17h. 19th hr. (8)	Sunshine Sunrise to Sunset 18th hr. (9)
Berwick-on-Tweed	bc	bc	48	63	–	–	7.8	8.1
Douglas (I. o. M.)	c	c	53	63	–	–	2.2	0.2
Llandudno	c	cbcc	58	67	Trace	–	3.2	4.6
Colwyn Bay	cb	bbcc	58	67	–	–	3.3	3.1
Rhyl	bc	bc	53	66	–	–	5.4	7.5
Wallasey	cpc	cbc	56	66	Trace	Trace	5.3	2.2
Southport	ocbcc	coc	56	63	1	–	5.5	0.8
Blackpool	cbc	bcc	55	65	–	–	7.5	0.0
Ilkley	bcb	b	50	66	–	–	10.1	0.5
Cleethorpes	c	bc	52	70	–	–	4.4	7.4
Skegness	coc	co	52	68	Trace	–	4.7	9.7
Aberystwyth	bcc	c	57	64	–	–	0.2	11.6
Bath	bc	bbc	59	74	–	–	7.8	14.0
Cheltenham‡	cbc	bcc	61	73	–	–	7.7	13.6
Leamington Spa	cb	bc	59	70	–	–	5.0	11.4
Lowestoft	c	c	53	63	–	–	3.3	6.2
Harwich & Dovercourt	c	bc	56	72	–	–	4.5	11.9
Maldon	cbc	cbc	55	71	–	–	3.8	12.5
Southend	ocbc	bcb	59	73	–	–	5.8	13.5

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	ocb	b	58	65	–	–	6.5	14.2
Bude	bcb	b	58	66	–	–	11.4	14.2
Penzance	b	b	58	70	–	–	11.2	13.8
Paignton	bbcb	b	55	76	–	–	11.4	14.2
Torquay	bcb	b	57	79	–	–	10.2	14.6
Jersey	b	b	61	70	–	–	12.0	14.8
Weymouth	bbc	byb	57	74	–	–	8.5	13.0
Bournemouth	o	cb	56	73	–	–	3.5	14.0
Ventnor	co	obz	63	70	–	–	4.4	13.7
Portsmouth (S'thsea)	co	bcb	58	75	–	–	4.1	13.6
Bognor	cbc	cbc	56	72	–	–	3.1	13.4
Littlehampton	cbc	bc	54	72	–	–	4.6	12.5
Worthing	cbc	cbc	57	71	–	–	5.5	13.6
Brighton	cbc	bbc	59	73	–	–	5.7	12.5
Eastbourne‡	oc	cbcb	58	70	–	–	5.0	13.3
Hastings‡	cocbc	bcbbc	57	71	–	–	4.8	13.3
Folkestone	c	bcb	58	69	–	–	4.1	12.9
Dover	c	cb	59	66	–	–	2.8	13.5
Tunbridge Wells	coc	cbc	56	73	–	–	6.4	13.4
Ramsgate	cbc	bc	60	70	–	–	6.3	13.2
Margate	cbc	bc	60	69	–	–	5.9	13.0
Deal	oc	bcc	57	70	–	–	3.8	13.0

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 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. 24348. Saturday 21st July 1928.

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0–10	Upper Form.	Total Amt. 0–10	State of ground.
Lerwick	1010.1	0	NW	3	c	55	86	8	1500	Cu	10	–	10	•
Stornoway	1017.4	+1	WNW	4	c	57	85	7	4000	CuNb	10	–	10	•
Wick	1015.0	0	W	3	c	58	75	8	1500	StCu	8	ASt	10	•
Tiree	1021.7	+1	NW	4	o	54	97	8	1500	St	10	–	10	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1016.2	0	WNW	3	bc	71	45	8	4000	Cu	2	ACu	4	0
Malin Head	1023.4	+2	W	4	c	57	92	6	800	StCu	9	–	9	•
Renfrew	1020.8	+1	W	4	c	59	85	8	2500	StCu	8	ACu	9	0
Edinburgh (Inchkeith)	1017.1	–1	W	4	c	59	85	7	1500	Cu	5	ACu	9	•
Leuchars	1016.6	–1	W	4	c+	69	55	8	5700	Cu	1	ASt	8	0
Eskdalemuir	1020.8	+1	SW'W	4	bc	61	65	7	2500	Cu	4	CiSt	7	0
Tynemouth	1018.6	0	W	4	b–	68	55	8	2500	Cu	2	–	2	•
Blacksod Point	1025.4	+2	W	4	c	60	85	8	•	–	0	ASt	9	•
Donaghadee	1023.2	+1	WNW	1	c+	58	85	8	2500	StCu	6	ASt	8	•
Birr Castle	1025.1	•	W	3	c+	66	75	8	2500	StCu	9	–	9	•
Holyhead	1024.2	+1	W	4	c	62	75	8	4000	StCu	10	–	10	0
Liverpool (Bidston)	1023.2	0	W'N	3	c	61	85	7	4000	StCu	9	–	9	•
Chester (Sealand)	1023.2	+1	NW'W	5	c	62	75	8	2500	StCu	9	–	9	0
Harrogate	1020.1	0	SW'W	4	b	67	65	8	4000	Cu	1	–	1	•
Spurn Head	1019.4	0	NW'W	5	bc	68	65	7	5700	StCu	4	ASt	7	•
Birmingham (Edgbaston)	1022.7	0	NW	4	bc	68	55	8	4000	Cu	4	–	4	0
Cranwell	1020.7	–1	W'N	4	c	72	65	6	–	–	0	ASt	10	0
Gorleston	1020.2	0	NE'N	4	c	67	92	6	2500	Cu	4	ASt	10	•
Valentia (Cahirciveen)	1027.1	+1	W	2	b	64	75	8	2500	Cu	1	–	1	0
Roches Point	1026.3	0	SW	1	b	63	75	8	–	–	0	CiCu	2	•
Pembroke (St. Ann's H.)	1024.7	0	NW	2	b–	62	85	8	2500	Cu	2	–	2	•
Ross-on-Wye	1021.9	0	WNW	3	b–	74	45	8	5700	Cu	2	–	2	0
Leafield	1022.4	–1	WNW	3	b–	71	55	8	4000	Cu	1	–	1	0
Winchester (Worthy Dn.)	1022.5	–1	WNW	3	bc	74	55	8	4000	StCu	5	–	5	0
S. Farnborough	1022.4	–1	WNW	4	b	75	45	7	4000	Cu	1	–	1	0
London (Kew Obsy.)	1022.1	–1	NW	2	bc	71	45	7	4000	Cu	3	–	3	0
Croydon	1022.2	0	NW	3	bc–	71	55	8	4000	Cu	3	–	3	0
Shoeburyness	1021.8	0	WNW	1	c	70	55	6	4000	StCu	9	–	9	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1022.7	+1	W	3	c	70	65	7	4000	StCu	5	ASt	9	0
Lympne	1022.2	0	WNW	3	c	69	55	7	4000	Cu	8	–	8	0
Scilly (St. Mary's)	1026.3	0	NW'N	2	b	66	65	7	4000	Cu	2	–	2	•
Falmouth (Pendennis)	1026.3	–1	NN'W	2	bc	67	85	8	4000	StCu	3	–	3	•
Plymouth (Cattewater)	1024.8	0	NNW	3	b	70	65	8	–	–	0	Ci	1	0
Portland Bill	1023.3	0	W	3	b	67	75	8	2500	Cu	1	–	1	•
Southampton (Calshot)	1022.7	–1	WNW	3	bc	71	55	7	4000	Cu	7	–	7	0
Dungeness	1022.3	+1	W	3	c–	72	55	7	2500	Cu	8	–	8	•
Guernsey (Fort George)	1025.4	0	WNW	2	b+	67	65	8	4000	Cu	1	–	1	•

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea. 0–9
Lerwick	1002.8	–1	NW	3	cp	53	85	7	1500	CuNb	8	ASt	10	•
Stornoway	1019.2	+1	NW	4	c	54	97	7	4000	CuNb	10	–	10	3
Wick	1015.3	0	WNW	4	c	56	75	5	1500	StCu	6	CiSt	8	3
Tiree	1022.1	+1	NW	3	o	55	85	8	1500	St	10	–	10	1
Nairn	1017.5	•	WSW	3	b–	63	65	8	2500	Cu	2	–	2	•
Aberdeen	1016.1	0	WNW	3	b–	66	55	8	4000	Cu	1	–	1	0
Malin Head	1023.8	+1	W	4	o	56	97	5	450	St	10	–	10	3
Renfrew	1021.3	0	W	4	c	57	85	8	1500	StCu	9	–	9	•
Edinburgh (Inchkeith)	1017.8	0	WSW	5	bc	58	75	7	4000	Cu	1	CiSt	4	2
Leuchars	1017.2	+2	WSW	4	bc–	64	65	8	–	–	0	Ci	6	•
Eskdalemuir	1020.3	0	WSW	4	c+	56	85	7	2500	StCu	8	CiSt	9	•
Tynemouth	1018.5	0	W	4	bc	65	65	7	1500	St	3	Ci	3	4
Blacksod Point	1025.8	+1	W	2	c	58	86	8	•	–	0	ASt	9	1
Donaghadee	1023.1	0	WNW	2	c	61	75	8	2500	StCu	6	ASt	8	1
Birr Castle	1025.0	•	W	2	bc–	67	75	7	3500	Cu	6	–	6	•
Holyhead	1023.9	0	WNW	4	bc+	62	75	8	4000	StCu	6	–	6	1
Liverpool (Bidston)	1022.9	–1	W'N	4	c+	61	85	7	2500	StCu	3	ACu	8	•
Chester (Sealand)	1023.0	–1	NW'W	5	bc	64	75	8	2500	Cu	5	CiCu	7	•
Harrogate	1019.6	0	SW	3	b	62	75	8	4000	Cu	1	CiSt	2	•
Spurn Head	1019.2	0	W'N	5	bc	65	75	6	–	–	0	ASt	7	3
Birmingham (Edgbaston)	1022.9	0	NW	4	bc	63	65	8	4000	StCu	6	–	6	•
Cranwell	1021.2	+1	NW	4	bc–	66	65	6	–	–	0	ASt	6	•
Gorleston	1020.1	–1	SE'S	3	bc+	62	75	6	–	–	0	Ci	7	0
Valentia (Cahirciveen)	1026.5	–1	W	2	b	62	85	8	–	–	0	–	0	0
Roches Point	1025.4	–1	SW	2	b	63	85	8	–	–	0	–	0	0
Pembroke (St. Ann's H.)	1024.5	–1	NW	2	b	62	85	8	2500	Cu	2	–	2	0
Ross-on-Wye	1022.8	0	NW'W	4	bc	66	55	8	4000	StCu	4	–	4	•
Leafield	1022.0	–1	NW'W	4	bc+	68	65	8	4000	StCu	6	–	6	•
Winchester (Worthy Dn.)	1021.6	–1	W'N	4	b	74	55	8	4000	Cu	1	–	1	•
S. Farnborough	1020.9	–1	NW	3	b	76	45	7	5700	Cu	1	–	1	•
London (Kew Obsy.)	1020.7	–2	NNW	2	b	77	45	8	2500	Cu	1	–	1	•
Croydon	1020.5	–2	NW	2	b+	75	45	7	7200	Cu	1	–	1	•
Shoeburyness	1020.9	–1	NW	1	b	73	55	6	–	–	0	–	0	•
Clacton-on-Sea	1020.4	–2	WNW	3	bc	74	55	6	–	–	0	ASt	5	1
Felixstowe	1020.0	–2	NW'W	2	c	73	55	7	4000	Cu	2	ASt	8	0
Lympne	1021.2	–1	SW	2	b	68	75	6	–	–	0	–	0	•
Scilly (St. Mary's)	1026.3	0	N'W	3	b	63	75	7	–	–	0	–	0	1
Falmouth (Pendennis)	1026.2	0	NNW	4	bc	64	75	8	4000	StCu	4	–	4	1
Plymouth (Cattewater)	1024.3	0	NNW	4	b	65	75	8	–	–	0	–	0	0
Portland Bill	1022.9	–1	SW	3	b	63	85	6	–	–	0	–	0	0
Southampton (Calshot)	1021.4	–2	NW	3	b–	74	65	6	4000	Cu	2	–	2	0
Dungeness	1021.2	–2	SW	3	b–	65	85	7	–	–	0	–	0	3
Guernsey (Fort George)	1024.4	–2	W'N	3	b–	64	85	7	4000	Cu	1	–	1	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.)	Temp. 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 at 9h.
Kew	18	cbcy	by	bycbc	77	58	51	–	–	9.2	•	•	7
Croydon	244	cbcy	bcby	bycb	76	57	54	–	–	8.7	•	•	6
Greenwich (Royal Obsy.)	149	cyz	cbbczy	bccmbz	79	57	50	–	–	8.7	46	64	6
City (Bunhill Row)	30	•	•	•	•	•	•	•	•	9.4	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	77	58	52	–	–	9.5	46	66	•
Regent's Pk. (Botanic Gdns).	158	•	•	•	•	•	•	•	•	9.3	•	•	•
Camden Square	110	c	cbc	•	76	57	•	–	–	•	•	67	•
Kensington Palace	80	b	o	•	77	58	51	–	–	•	(At 18h.) 49	59	•
Hampstead Observatory	450	•	•	•	75	?	45	–	–	10.4	•	66	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time	Min.	Time.
<0.3 throughout			

Kew Observatory

Max.	Time.	Min.	Time.
0.1	4h 21st	<0.1	13h 20th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 20th 21 30 m. to 21st 2 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.15	2.04	40
δ Ursae Minoris	5.15	1.24	27

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Snowing to-day in 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 July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.57 / 3.58	11.59 / 11.59	20.01 / 19.59
Greenwich	4.09 / 4.11	12.06 / 12.06	20.02 / 20.01
Wick	3.42 / 3.44	12.19 / 12.19	20.54 / 20.52
Valentia	4.48 / 4.50	12.47 / 12.47	20.46 / 20.44

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 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_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.

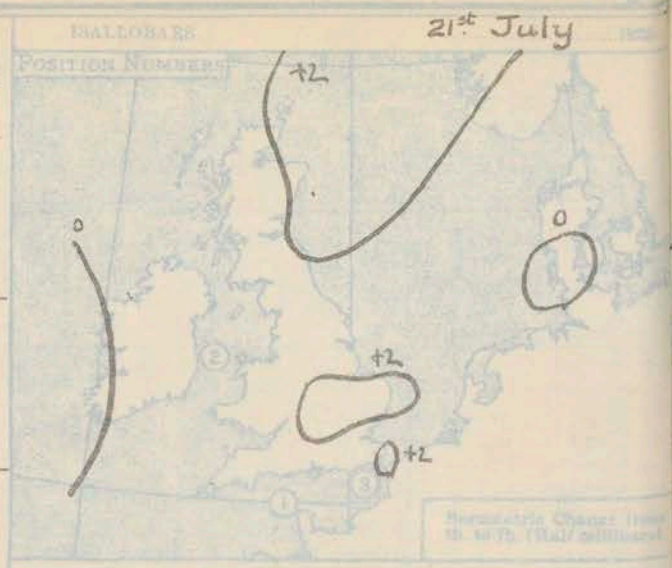
Code	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† 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. 20th	Weather. 18h.-18h. 20th	Weather. 18h. 20th to 1h. 21st	Weather. 1h.-7h. 21st	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 20th Hours.
Lerwick	c	c i p o d	c i p o d	c b c	56	47	•	Tr.	16.30	0.2	<21.00	5.0
Stornoway	r-d	o	c	r	57	54	•	Tr.	–	0.4	<21.00	0.0
Wick	c	c	c	c p r o	60	51	•	–	–	0.1	5.30	•
Tiree	o	o	c	c	56	~~51~~ 49	•	–	–	–	–	0.0
Nairn	b c q	b c b q	b b c	b c	66	54	•	–	–	–	–	10.0
Aberdeen	c b c y	b c y b y	b b w	b b c	71	54	46	–	–	–	–	9.2
Malin Head	c m o	o m m	o f f o	c i f o	58	53	•	–	–	–	–	0.1
Renfrew	c q	~~b~~ c o	c	~~b~~ c b c c	61	52	50	–	–	–	–	6.6
Edinburgh (Inchkeith)	c	c q b c	b c	b c b	62	51	49	–	–	–	–	9.2
Leuchars	c, b, c	c b c	b c	b c	71	49	43	–	–	–	–	9.6
Eskdalemuir	c b c	b c c	c	c b c	63	49	46	–	–	–	–	9.0
Tynemouth	b c q	b c q	b c q	b c b q	69	53	48	–	–	–	–	•
Blacksod Point ...	c	c	o	b c	61	49	•	–	•	0.1	•	•
Donaghadee	c b c c	c	c	c	62	54	•	–	–	–	–	•
Birr Castle	b c c	c b c	b c	c m o	69	53	43	–	–	–	–	8.5
Holyhead	b c c	c b c	b c c b c	b o b c c	64	56	53	–	–	–	–	4.3
Liverpool (Bidston) ...	c b c c	c b b c	c	c	64	57	56	–	–	–	–	6.2
Chester (Sealand) ...	c	b c	b c c	c	65	58	55	–	–	–	–	5.0
Harrogate	b c b	b	b	b	67	52	47	–	–	–	–	9.4
Spurn Head	b c	b q	b c	b c b	69	55	•	–	–	–	–	9.0
Birmingham (Edgbaston)	c b c	b c	b c c	c b	75	56	52	–	–	–	–	6.1
Cranwell	c	c	c b m o	b m o	74	50	47	–	–	–	–	9.9
Gorleston	c q	c b c	b c c b c	b c w z	69	50	49	–	–	Tr.	–	6.4
Valentia (Cahirciveen)	c b c b	b	b w	b w	64	48	45	–	–	–	–	11.0
Roches Point	b	b	b ~~c~~ w	b w	68	54	•	–	–	Tr.	–	•
Pembroke (St. Ann's H.)	b c b	b b c	b b c b	b m o	64	55	•	–	–	–	–	13.2
Ross-on-Wye	b c c b c	b y b c y	b c c	b c b w	75	54	45	–	–	–	–	11.1
Leafield	b c b	b b c	c	c	75	55	53	–	–	–	–	10.7
Winchester (Worthy Dn.)	c b c y	b c y b y	b y b c	b c c	77	50	45	–	–	–	–	12.2
S. Farnborough ...	c b c y	y b y	b y c	c o c	79	54	42	–	–	–	–	10.0
London (Kew Obsy.) ...	c b c y	b y b y	b y c	b c	77	58	51	–	–	–	–	9.2
Croydon	c b c y	b c b y	b y c	b c c b	76	57	54	–	–	–	–	8.7
Shoeburyness	c	b z	b z	b z	75	54	51	–	–	–	–	9.0
Clacton-on-Sea ...	b c c y	c b c y z	b c z	b c b z	74	53	47	–	–	–	–	8.8
Felixstowe	b c c	c y	c b c	b c b	74	55	52	–	–	–	–	8.9
Lympne	b z o c	c b c y b z o	b m o b	b b c	73	55	46	–	–	–	–	8.6
Scilly (St. Mary's) ...	c b c b	b	b	b	68	55	•	–	–	–	–	10.5
Falmouth (Pendennis)	b c	b c	b c b	b b c m o	69	55	•	–	–	–	–	13.5
Plymouth (Cattewater)	b b c	b	b	b w c	72	57	55	–	–	–	–	14.3
Portland Bill	b c b	b z o	b b c b	b	68	58	•	–	–	–	–	•
Southampton (Calshot)	b c c b c y	b c y b y z o	b y z o b c	b c b, c	76	55	53	–	–	–	–	10.4
Dungeness	c z o c	c y b	b	b b c	73	55	•	–	–	–	–	•
Guernsey	b	b b c	b	b	69	57	•	–	–	–	–	14.2



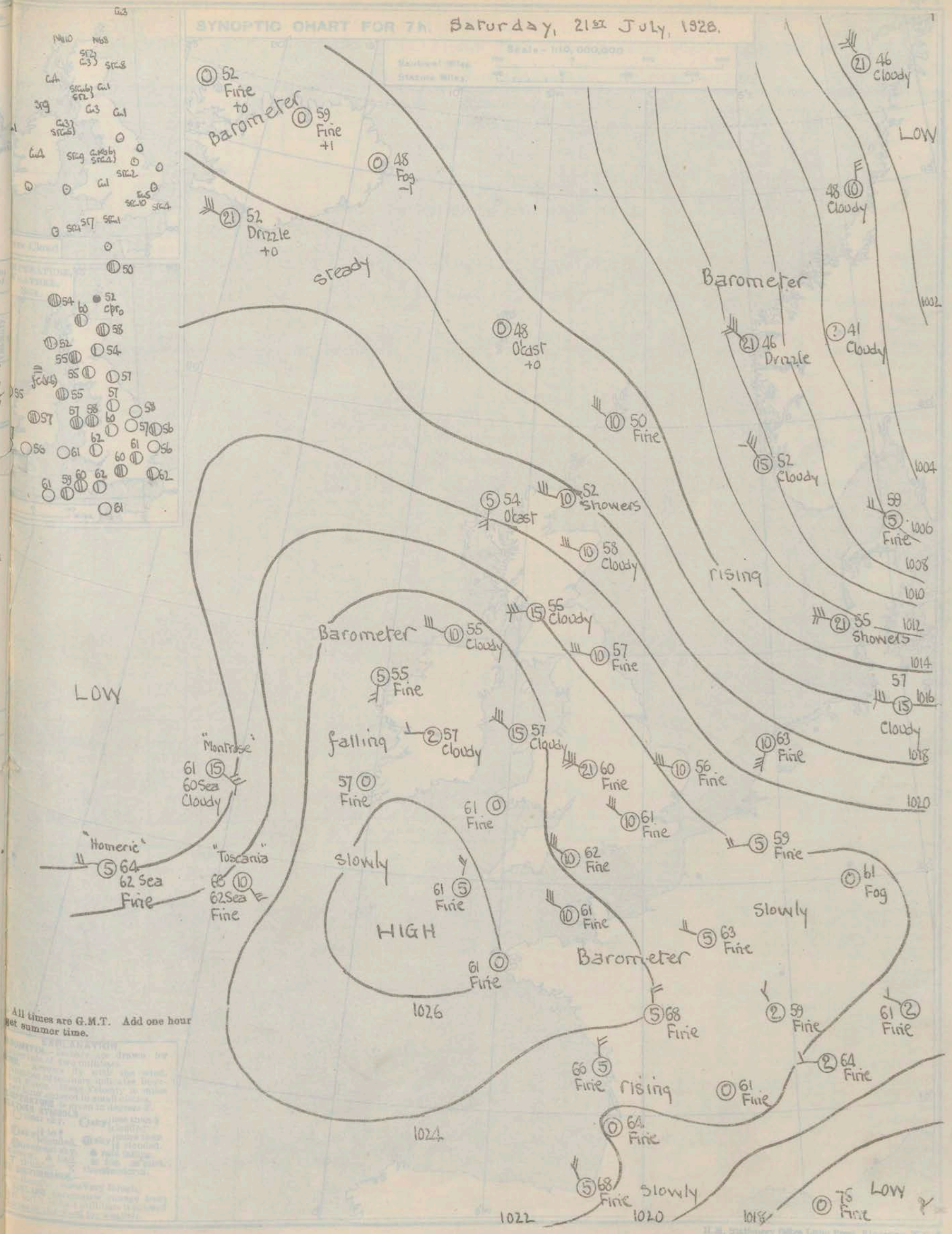
Position Number.	Date and Time.	Name of Ship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	
2	20th 10h	SCOTIA	W'S	3	c+	61	55	7
1	20th 12h	St. HELIER	NNW	3	bc-	72	59	7
3	21st 1h	DIEPPE	?	0	bc-	61	60	8

An anticyclone over our southwest districts is moving eastward and a small depression on the Atlantic is approaching West Ireland. Weather will be fine and warm.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Saturday, 21st July, 1928.	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	Wind northwest to variable, light; fine; warmer.	Fine and very warm in south-eastern and central districts. Becoming less settled in the northwest.
16. Orkneys and Shetlands	Wind west, light or moderate; mainly fair; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind west, backing south, light; fine; warmer.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 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. Saturday, 21st July, 1928.
52 Fine to Barometer
59 Fine +1
48 Fog -1
52 Drizzle +0
steady
48 O'cast +0
50 Fine
52 Showers
54 O'cast
58 Cloudy
55 Cloudy
55 Fine
57 Cloudy
57 Fine
57 Cloudy
60 Fine
56 Fine
61 Fine
62 Fine
61 Fine
61 Fine
63 Fine
59 Fine
61 Fog
Slowly
63 Fine
59 Fine
61 Fine
64 Fine
68 Fine
61 Fine
64 Fine
68 Fine
Slowly
75 Fine
LOW
Barometer
falling
rising
Slowly
HIGH
1026
1024
1022
1020
1018
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
46 Cloudy
48 Cloudy
41 Cloudy
46 Drizzle
52 Cloudy
59 Fine
55 Showers
57 Cloudy
63 Fine
"Montrose"
61 60 Sea Cloudy
"Homeric"
64 62 Sea Fine
"Toscania"
62 Sea Fine
All times are G.M.T. Add one hour for summer time.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Saturday....21st July.....1928. No. 203.

Stations.	Height above M.S.L. in feet.	Observations at 1h. G.M.T. 21st: 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. 21st: 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	Set. 0-9
Lerwick	54	1018.0	+3	NW	2	c	50	85	8	2500	Cu	10	–	10	1014.9	-3	NW	3	bc	50	92	8	1500	Cu	3	–	3	.
Stornoway	39	1020.0	+2	NW	3	c	.	.	6	.	.	.	.	10	1020.0	+1	S	2	c/br	54	97	6	2500	Nb	10	–	10	7
Wick	81	1016.8	+1	WNW	4	0	53	92	8	1500	St	10	–	10	1015.0	+2	WNW	3	c/br.	52	97	8	1500	Nb	8	ast	10	1
Tiree	22	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.8	0	NW	3	bc-	52	87	7	1500	Cu	4	acu	6	1
Nairn	82	.	.	.	.	.	.	.	.	.	.	.	.	.	1019.6	.	WSW	2	bc+	60	75	8	800	Cu	5	–	5	.
Aberdeen	46	.	.	.	.	.	.	.	.	.	.	.	.	.	1018.1	+3	NW'W	3	c+	58	75	8	2500	SCu	8	–	8	0
Malin Head	51	1024.4	+1	W'N	4	fc-	56	97	3	4000	SCu	9	–	9	1024.4	+1	WNW	3	mc-	55	97	6	800	St	9	acu	9	1
Renfrew	36	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.5	+1	W	4	c	55	85	8	1500	SCu	8	–	8	.
Edinburgh (Inchkeith)	190	1019.1	+1	WSW	4	bc	52	85	8	1500	St	1	acu	3	1020.3	+2	WSW	4	b	54	85	8	4000	Cu	1	acu	2	2
Leuchars	40	.	.	.	.	.	.	.	.	.	.	.	.	.	1019.4	+1	WSW	3	bc-	59	75	8	2500	Cu	1	Ci	3	.
Eskdalemuir	724	.	.	.	.	.	.	.	.	.	.	.	.	.	1021.5	+1	N	4	bc	55	75	7	1500	Cu	3	CiSt	4	.
Tynemouth	67	1019.3	+1	W	3	bc	56	85	8	2500	Cu	3	–	3	1021.0	+2	WNW	3	b	57	75	7	1500	Cu	1	–	1	0
Blacksod Point ...	18	1025.7	0	–	0	c	56	85	6	.	–	0	ast	10	1026.7	0	S	2	b	55	92	6	.	Cu	1	–	1	1
Donaghadee	40	.	.	.	.	.	.	.	.	.	.	.	.	.	1023.7	+1	–	0	c-	55	92	7	2500	SCu	8	–	8	0
Birr Castle	178	.	.	.	.	.	.	.	.	.	.	.	.	.	1025.3	.	W	1	c+	57	92	6	1500	Cu	4	aSt	9	.
Holyhead	26	1024.5	+1	NW'W	3	b-	57	92	8	4000	St	1	–	1	1024.9	+1	NW	4	c	57	85	7	4000	SCu	9	–	9	1
Liverpool (Bidston) ...	189	.	.	.	.	.	.	.	.	.	.	.	.	.	1026.9	0	W'N	3	c	58	85	8	1500	CuNb	10	–	10	.
Chester (Sealand) ...	16	.	.	.	.	.	.	.	.	.	.	.	.	.	1023.6	+1	NW'W	5	c	59	75	8	1500	SCu	10	–	10	.
Harrogate	478	.	.	.	.	.	.	.	.	.	.	.	.	.	1021.7	+1	W	3	b	57	75	8	–	–	0	CiSt	1	.
Spurn Head	29	1019.2	0	W'N	5	bc-	58	85	6	–	–	0	ast	3	1021.1	+1	NW	4	b	58	85	7	–	–	0	–	0	.
Birmingham (Edgbaston)	535	.	.	.	.	.	.	.	.	.	.	.	.	.	1023.6	+1	NW	5	b+	60	75	8	2500	SCu	2	–	2	.
Cranwell	236	1021.8	0	W'N	2	b-	52	97	8	–	–	0	CiSt	1	1022.5	+1	NW	3	b	57	85	6	–	–	0	–	0	.
Gorleston	14	1020.7	0	WNW	2	b	57	92	6	–	–	0	ast	2	1021.1	+2	WNW	3	bc	56	85	6	–	–	0	Ci	5	0
Valentia (Cahirciveen)‡	30	1026.4	0	NW	1	b	55	97	8	–	–	0	–	0	1028.1	-1	–	0	b	57	92	9	–	–	0	CiCu	1	0
Roches Point	22	.	.	.	.	.	.	.	.	.	.	.	.	.	1026.0	0	N	1	b	56	92	8	–	–	0	–	0	0
Pembroke (St. Ann's H.)	150	1025.3	+1	NW	2	b	57	97	7	–	–	0	–	0	1024.8	0	–	0	b	61	85	7	–	–	0	–	0	0
Ross-on-Wye	229	.	.	.	.	.	.	.	.	.	.	.	.	.	1023.5	0	NNW	3	b	62	75	8	4000	Cu	1	–	1	.
Leafield	612	.	.	.	.	.	.	.	.	.	.	.	.	.	1023.4	+2	NW'N	4	bc	59	75	8	2500	SCu	5	–	5	.
Winchester (Worthy Dn.)	272	.	.	.	.	.	.	.	.	.	.	.	.	.	1023.5	0	NW	4	c	59	75	8	1500	SCu	10	–	10	.
S. Farnborough ...	230	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.8	0	NW	2	c	60	75	7	2500	SCu	10	–	10	.
London (Kew Obsy.) ...	18	.	.	.	.	.	62	.	.	.	.	.	.	.	1023.4	+2	NW'N	3	bc	61	75	7	2500	Cu	5	–	5	.
Croydon	244	1022.6	+2	NNW	3	bc-	62	75	7	5700	SCu	3	acu	7	1023.1	+1	NNW	2	bc+	59	75	6	2500	SCu	7	–	7	.
Shoeburyness	21	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.5	+1	NW	4	b	59	75	7	–	–	0	–	0	1
Clacton-on-Sea ...	54	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.9	+1	WNW	3	b	56	85	6	–	–	0	–	0	1
Felixstowe	15	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.0	+1	NW	3	b	59	85	6	–	–	0	–	0	.
Lympne	360	1021.7	+1	N'E	4	b	59	85	7	–	–	0	–	0	1022.2	+2	N'W	4	c	58	85	6	5700	SCu	8	–	8	.
Scilly (St. Mary's) ...	163	1026.6	0	N	2	b	56	97	8	–	–	0	–	0	1026.2	0	NNE	2	b	61	97	7	–	–	0	–	0	0
Falmouth (Pendennis)	209	1026.4	0	NW	2	b	58	85	8	–	–	0	–	0	1026.5	0	N'E	1	bc	59	97	6	800	St	4	acu	6	0
Plymouth (Cattewater)	82	.	.	.	.	.	.	.	.	.	.	.	.	.	1025.7	+1	–	0	bc-	60	85	7	1500	St	7	–	7	0
Portland Bill	37	1023.3	0	NW.	2	b	59	85	8	–	–	0	–	0	1023.6	0	NW	3	b	62	85	8	4000	SCu	1	–	1	0
Southampton (Calshot)	10	1023.3	+1	NW	4	bc	61	75	8	4000	SCu	5	–	5	1023.7	+1	NW'N	3	c	60	75	7	2500	SCu	9	–	9	0
Dungeness	30	1021.7	+1	N	1	b-	58	92	7	–	–	0	–	0	1022.8	+1	NW	3	bc+	62	85	6	4000	SCu	4	acu	7	1
Guernsey (Fort George) §	295	1024.8	-1	NW	2	b-	56	85	8	–	–	0	–	0	1025.1	+1	NW	3	b	61	85	8	–	–	0	–	0	3

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

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. 9h. 19th to 9h. 20th.	Temperature. Max. 9h. 20th.	Rainfall.† Night 17h.-9h. 19th-20th.	Rainfall.† Day 9h.-17h. 20th.	Sunshine. Sunrise to 17h. 20th.	Sunshine. Sunrise to Sunset. 19th.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	bc	bc	52	70	–	–	9.4	7.8
Douglas (I. o. M.) ...	bbc	bbc	55	65	0.3	–	6.8	3.3
Llandudno ...	c	cbcb	58	65	Trace	–	2.6	3.2
Colwyn Bay ...	c	cb	58	66	–	–	2.3	3.3
Rhyl	cbc	bc	58	65	–	–	5.0	5.4
Wallasey	cbc	bcb	58	66	–	–	4.5	5.7
Southport	cbcc	cbcc	*58	64	–	–	3.7	6.3
Blackpool	bc	bcc	58	64	–	–	3.1	7.1
Ilkley	bc	bbc	55	66	–	–	9.4	11.2
Cleethorpes	bb	b	55	74	–	–	8.4	4.4
Skegness	bc	c	52	72	Trace	–	7.3	4.7
Aberystwyth ...	cbc	bcc	58	64	–	–	1.5	0.2
Bath	mcb	b	57	75	–	–	9.2	9.1
Cheltenham ...	bbc	bcy	58	78	–	–	10.7	8.9
Leamington Spa ...	cb	cb	57	74	–	–	7.1	5.7
Lowestoft	cbcu	bc	53	70	–	–	6.4	3.4
Harwich & Dovercourt	bc	bcz	54	74	–	–	8.1	5.9
Malden	bcb	bbcb	56	74	–	–	6.0	4.0
Southend	ozc	ozc	59	77	–	–	8.3	7.5

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	cb	b	58	64	–	–	10.5	9.3
Bude	cbcb	bcb	50	65	–	–	10.3	13.1
Penzance	b	b	55	70	–	–	9.3	13.4
Paignton	by	by	54	76	–	–	12.1	14.1
Torquay	b	by	56	(74) 75	–	–	12.2	12.8
Jersey	b	b	57	71	–	–	11.8	14.5
Weymouth	b	byb	55	73	–	–	11.5	10.0
Bournemouth ...	b	b	55	76	–	–	10.5	5.7
Ventnor ...	bbc	bz	55	71	–	–	10.0	6.4
Portsmouth (S'shea)	bcb	b	57	77	–	–	8.8	6.3
Bognor	cbc	b	56	76	–	–	7.4	5.4
Littlehampton ...	bc	b	54	73	–	–	8.2	6.5
Worthing	c	bcb	58	73	–	–	7.7	7.7
Brighton	bcb	b	58	71	–	–	9.0	7.5
Eastbourne	bcbc	bcb	59	70	–	–	7.4	7.1
Hastings	bcbc	bbcb	59	73	–	–	7.9	6.7
Folkestone	c	c	57	73	–	–	6.5	5.2
Dover	ybcc	bbc	57	72	–	–	6.1	4.4
Tunbridge Wells ...	coc	bcb	55	76	–	–	7.8	7.7
Ramsgate	cbc	bcbz	59	73	–	–	8.9	7.4
Margate	bc	bc	61	73	–	–	9.0	7.4
Deal	cbc	bc	55	74	–	–	7.3	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. ‡ 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 24349 Sunday, 22nd July 1928. Page 1.

Observations at 18h. 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	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.*
Lerwick	1015.0	0	NW	1	bc	55	65	8	1600	Cu	2	ACu	4	*
Stornoway	1020.0	0	NW	5	o	60	85	7	2500	Nb	10	-	10	*
Wick	1018.5	0	WNW	3	clpr₀	56	97	8	1500	St	8	CiSt	10	*
Tiree	1023.9	+1	WNW	3	bc	55	92	8	1500	Cu	3	CiCu	5	0
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1019.6	0	WNW	4	c	66	55	8	2500	Cu	8	-	8	0
Malin Head	1024.0	-1	WNW	3	c	59	85	7	5700	StCu	9	-	9	*
Renfrew	1022.6	0	W	3	cv	64	75	9	2500	StCu	8	-	8	0
Edinburgh (Inchkeith)	1020.0	0	WSW	3	bc	63	65	8	4000	Cu	4	ACu	5	*
Leuchars	1019.3	-1	NW	3	bc+	71	45	8	4000	StCu	6	CiCu	7	0
Eskdalemuir	1021.4	+1	W	4	bc	65	65	8	2500	Cu	3	CiCu	6	0
Tynemouth	1020.7	0	E	1	c+	61	75	7	1500	CuNb	8	-	8	*
Blacksod Point	1022.7	-1	SE	1	bcv	69	45	9	*	-	0	Ci	3	*
Donaghadee	1024.3	+1	W	1	c	57	85	7	2500	StCu	3	ASt	8	*
Birr Castle	1023.6	*	WSW	1	b-	76	46	7	-	-	0	Ci	1	*
Holyhead	1025.4	0	WNW	1	c	62	75	8	2500	StCu	9	-	9	0
Liverpool (Bidston)	1024.6	0	W'N	4	bv-	60	75	9	2500	Cu	2	ACu	2	*
Chester (Sealand)	1024.3	+1	NW	5	bc-	63	65	8	2500	Cu	4	-	4	0
Harrogate	1021.8	0	W	3	bc+	68	66	8	4000	StCu	7	-	7	*
Spurn Head	1022.1	0	NE'E	3	bc	64	66	7	4000	Cu	1	ACu	3	*
Birmingham (Edgbaston)	1023.9	0	NW	4	b	67	55	8	4000	Cu	1	-	1	0
Cranwell	1022.1	-1	NW'N	2	b+	72	55	6	4000	Cu	1	-	1	0
Gorleston	1022.1	+1	NNE	4	b	64	66	6	~~4000~~ 5700	Cu	2	-	2	*
Valentia (Cahirciveen)	1024.4	-1	S'E	3	bcv	74	35	9	-	-	0	CiCu	3	0
Roches Point	1025.7	0	SW	2	fo	60	92	3	220	St	10	-	10	*
Pembroke (St. Ann's H.)	1025.2	0	W	1	b+	63	85	7	2500	Cu	1	-	1	*
Ross-on-Wye	1022.9	0	N	3	b-	74	45	8	5700	Cu	2	-	2	0
Leafield	1023.4	0	NW'N	3	b	69	55	8	4000	Cu	1	-	1	0
Winchester (Worthy Dn.)	1023.0	-1	NW'N	3	b	73	55	8	4000	Cu	2	-	2	0
S. Farnborough	1022.7	-1	NW'W	3	b	76	45	7	4000	Cu	1	-	1	0
London (Kew Obsy.)	1023.0	0	NNW	3	b-	71	55	8	2600	Cu	1	-	1	0
Croydon	1022.6	0	NW	2	b	72	55	6	4000	Cu	1	-	1	0
Shoeburyness	1023.0	0	NW	2	b	72	55	7	-	-	0	-	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1021.0	-2	W	1	b	73	55	8	4000	Cu	1	-	1	0
Lympne	1022.5	+3	SSE	3	bc-	67	65	6	4000	Cu	4	-	4	0
Scilly (St. Mary's)	1026.9	0	-	0	b	71	75	7	-	-	0	-	0	*
Falmouth (Pendennis)	1026.0	0	NW'N	3	b-	71	65	7	4000	Cu	2	-	2	*
Plymouth (Cattewater)	1025.1	-1	NW	4	b	73	55	7	2500	Cu	1	-	1	0
Portland Bill	1023.6	0	WSW	4	b	65	75	8	4000	Cu	2	-	2	*
Southampton (Calshot)	1023.2	-1	NW'N	3	bc	73	55	8	2500	Cu	6	-	6	0
Dungeness	1022.8	+1	SSW	3	bc	67	75	6	1500	St	7	-	7	*
Guernsey (Fort George)	1025.3	0	NW	3	b	68	65	8	-	-	0	-	0	*

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	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1014.8	-1	-	0	c	52	75	8	2500	StCu	5	ASt	9	*
Stornoway	1019.7	0	NW	3	o	57	92	8	1500	Nb	10	-	10	1
Wick	1017.5	-1	WNW	3	olpr₀	56	92	7	1500	Nb	10	-	10	0
Tiree	1023.0	-1	W'N	2	c+	53	97	8	800	StCu	8	-	8	1
Nairn	1019.1	*	W	2	bc	67	55	8	2500	Cu	3	CiCu	4	*
Aberdeen	1018.6	-1	WNW	3	c+	65	55	8	2500	StCu	8	-	8	0
Malin Head	1022.2	-2	E	2	bc	56	92	6	-	-	0	Ci	7	0
Renfrew	1022.0	-1	W	4	bcv-	60	75	9	4000	StCu	5	Ci	6	*
Edinburgh (Inchkeith)	1019.5	-1	WSW	4	b	62 (63)	75	8	4000	Cu	2	-	2	1
Leuchars	1019.2	0	NW	3	bc-	69	55	8	2500	StCu	5	Ci	6	*
Eskdalemuir	1021.2	-1	W'S	3	bc	66	75	8	2600	Cu	5	Ci	6	*
Tynemouth	1019.8	-1	W	3	bc-	67	65	7	1500	Cu	4	-	4	0
Blacksod Point	1020.0	-3	ESE	4	bc	66	65	8	*	-	0	ACu	4	4
Donaghadee	1022.6	-2	ESE	1	b	58	75	7	-	-	0	Ci	1	1
Birr Castle	1021.3	*	W	2	bc+	81	46	7	2500	Cu	1	Ci	5	*
Holyhead	1024.0	-2	SSW	2	b	59	85	7	-	-	0	Ci	1	0
Liverpool (Bidston)	1023.5	-2	WNW	2	b-	61	75	8	4000	StCu	1	Ci	1	*
Chester (Sealand)	1023.5	-2	NW	4	b-	61	75	8	-	-	0	Ci	2	*
Harrogate	1021.7	0	SW'W	4	b	64	65	8	-	-	0	CiCu	1	*
Spurn Head	1021.4	0	SSE	3	bc	60	85	7	-	-	0	ASt	4	0
Birmingham (Edgbaston)	1022.6	-1	NW	3	b	70	55	8	-	-	0	Ci	1	*
Cranwell	1021.9	0	NNW	3	b	70	65	7	-	-	0	-	0	*
Gorleston	1022.1	0	SSE	1	b	62	75	6	-	-	0	-	0	0
Valentia (Cahirciveen)	1023.1	-1	S	4	b	68	65	8	-	-	0	ACu	2	0
Roches Point	1024.1	-2	SW	3	c/f	63	92	6	1500	StCu	2	Ci	8	0
Pembroke (St. Ann's H.)	1024.3	-1	W	1	b+	64	75	7	2500	Cu	2	-	2	0
Ross-on-Wye	1022.1	-1	NW'N	3	b	75	45	8	-	-	0	Ci	1	*
Leafield	1022.5	-1	NNW	4	b	71	45	8	5700	StCu	1	Ci	1	*
Winchester (Worthy Dn.)	1022.3	-1	NW	3	b	75	45	8	-	-	0	-	0	*
S. Farnborough	1021.9	-1	NW	2	b+	76	45	7	2500	St	1	-	1	*
London (Kew Obsy.)	1022.0	0	NNW	2	b	75	45	7	-	-	0	-	0	*
Croydon	1021.4	-1	NW'W	2	b	74	45	7	-	-	0	-	0	*
Shoeburyness	1020.7	-1	NW	2	bc	70	85	7	5700	StCu	4	-	4	*
Clacton-on-Sea	1022.1	0	E	4	bc	65	75	7	4000	Cu	3	-	3	2
Felixstowe	1022.5	+1	E	3	b	62	85	8	-	-	0	-	0	1
Lympne	1022.3	0	SSW	3	b	65	76	6	-	-	0	-	0	*
Scilly (St. Mary's)	1025.9	-2	W'N	1	b	68	65	7	-	-	0	-	0	0
Falmouth (Pendennis)	1025.0	-2	NNW	3	bc	69	55	8	4000	StCu	3	-	3	0
Plymouth (Cattewater)	1023.9	0	NNW	4	b	71	65	7	-	-	0	-	0	0
Portland Bill	1022.7	-1	WSW	1	b	65	75	8	4000	StCu	1	-	1	0
Southampton (Calshot)	1022.1	-1	SW	2	b	75	55	8	-	-	0	-	0	0
Dungeness	1022.2	-1	SSW	3	bc	65	85	6	1500	St	7	-	7	1
Guernsey (Fort George)	1024.1	-2	WNW	3	b	66	75	8	-	-	0	-	0	3

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 9h.)	Weather Afternoon	Weather Night	Temperature Max. Day. °F.	Min. Night. °F.	Min. on Grass. °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset. hrs.	Humidity 18h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day	Visibility 9h.
Kew	18	bcby	by	bybw	75	54	44	-	-	13.5	*	*	
Croydon	244	bcz,by	bz,y	cybz,w	76	52	48	-	-	12.7	*	*	7
Greenwich (Royal Obsy.)	149	bzy	bzy	bybwby	80	51	37	-	-	13.4	46	49	6
City (Bunhill Row)	60			*	*	*	*	*	*	13.2	*	*	*
Westminster (St. James' Pk.)	37	*	*	*	79	57	49	-	-	13.5	37	49	*
Regent's Pk. (Botanic Gdns.)	165	*	*	*	*	*	*	*	*	13.5	*	*	*
Camden Square	110	bbc	bcb	*	81	57	-	-	-	*	*	58	*
Kensington Palace	86	b	b	*	77	54	46	-	-	*	At 18h 41	50	*
Hampstead Observatory	450	*	*	*	71	54	42	-	-	13.8	*	54	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 22nd

South Kensington Max.	Time.	Min.	Time.
0.3	7h22nd	<0.3	18h21st

Kew Observatory Max.	Time.	Min.	Time.
0.1	2h22nd	<0.1	16h21st

POLE STAR RECORD at Greenwich Obsy.

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

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

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 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.

22 + 23rd July 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.58 4.0	11.59 11.59	19.59 19.58
Greenwich	4.11 4.12	12.6 12.6	20.1 20.0
Wick	3.44 3.46	12.19 12.19	20.52 20.50
Valentia	4.50 4.51	12.47 12.47	20.44 20.43

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—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 general character of the weather.
/ "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
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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

§ 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.	

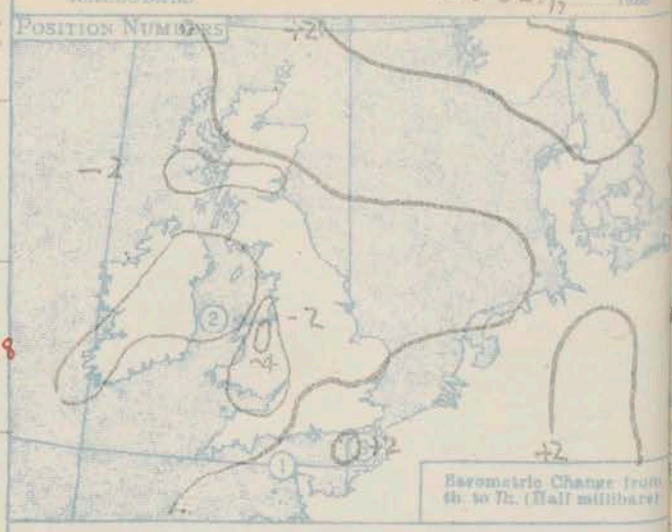
† Trace = rain has fallen, but amount less than 0·1 mm. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 21st	13h.-18h. 21st	18h. 21st to 1h. 22nd	1h.-7h. 22nd	TEMPERATURE. MAX. Day. 7h.-13h.	MIN. Night. 18h.-7h.	MIN on Grass	RAINFALL.† Day. 7h.-18h. mm	began.	Night. 18h.-7h. mm.	began.	SUN 21st Hours.
Lerwick	cbc	c	c	c	56	46	*	–	–	–	–	9.8
Stornoway	o	o	c	o	60	45	*	–	–	–	–	0.0
Wick	cpr	cpr.	od.d	od.m.	56	49	*	1	<8.00	1	<21.00	*
Tiree	m.bc	m.c		om.	56	50	48	–	–	–	–	2.8
Nairn	bcq	bc	bcw	bc	67	45	*	–	–	–	–	6.8
Aberdeen	bccy	bcycy	cbc	bc	70	50	43	–	–	–	–	3.8
Malin Head	cifoc	cbc3.3.	@bc3.	bcc3.	60	55	*	–	–	–	–	5.9
Renfrew	cbcc	cbc	bc	bcom.	67	43	36	–	–	–	–	9.5
Edinburgh (Inchkeith)	bcc	bbc	bcb	bbcc	65	50	48	–	–	–	–	13.9
Leuchars	bcy	bcy,c,bcy	bcyb	bbcc	72	47	40	–	–	–	–	13.8
Eskdalemuir	bc	bc	bc	bccodn	66	47	46	–	–	Tr	6.30	10.6
Tynemouth	bbc	cbc	bcb	bc	71	55	43	–	–	–	–	*
Blacksod Point ...	b	bbc	bbc	om	72	57	*	–	*	(–)	*	*
Donaghadee	c	cbcb	bcc	cpr.c	61	53	*	–	–	Tr	3.30	*
Birr Castle	cbcb	bbc	bcc	cm.	81	58	48	–	–	–	–	11.4
Holyhead	c	cbcb	bcbm.w	if	62	56	53	–	–	–	–	5.6
Liverpool (Bidston) ...	cbv	vbbcc	bbcwc	c	62	53	48	–	–	–	–	8.9
Chester (Sealand) ...	~~bbc~~ cbc	bcb	bbcc	cw	65	46	41	–	–	–	–	9.3
Harrogate	bbc	bcb	b	bcc	70	52	48	–	–	–	–	14.4
Spurn Head	bc	bc	bc	bcc	66	55	*	–	–	–	–	12.6
Birmingham (Edgbaston)	b	b	b	bbc	72	52	36	–	–	–	–	11.0
Cranwell	bbcby	b	b	bbc	75	51	48	–	–	–	–	12.8
Gorleston	bc3bq	bq b	cbcb	b3.	65	54	50	–	–	–	–	10.8
Valentia (Cahirciveen)	bvybc	bcvyb	bbcc	bcc	74	59	57	–	–	–	–	13.5
Roches Point	bfbe	oifc3.	cfbecife	c	66	55	*	–	–	Tr	–	*
Pembroke (St. Ann's H.)	bm.	bm.	bbcbFF	bffbcm.	66	57	*	–	–	–	–	13.9
Ross-on-Wye	bbcyby	by	byb	bmwbc	78	48	41	–	–	–	–	14.6
Leafield	bcb	by	b	b	73	54	43	–	–	–	–	13.4
Winchester (Worthy Dn.)	cbcby	by	byb	bbcw	77	48	41	–	–	–	–	10.1
S. Farnborough ...	cby	by	byby	bw	77	45	(~~41~~)	34	–	–	–	9.9
London (Kew Obsy.) ...	bcby	by	byb	bw	75	54	49	–	–	–	–	13.5
Croydon	bc3.by	b3.y	b+y	b3.w	76	52	48	–	–	–	–	12.7
Shoeburyness	b3	b3	b3	b3	76	53	40	–	–	–	–	12.2
Clacton-on-Sea ...	b3y	b3bc3	bc3w	bc3w	76	52	49	–	–	–	–	13.2
Felixstowe	bm.b	by b	b	ibcm.	73	54	46	–	–	–	–	13.2
Lympne	cbbc3.	bcb b3.	bm.w	bm.w	70	53	42	–	–	Tr	–	10.4
Scilly (St. Mary's) ...	b w	b	bbc	b	72	57	*	–	–	–	–	14.2
Falmouth (Pendennis)	bcmb	bc	bc	bcb	73	54	*	–	–	–	–	13.6
Plymouth (Cattewater)	bcby	by	b	bcbw	75	54	53	–	–	–	–	13.2
Portland Bill	bbcb	b	b	b3.	66	53	*	–	–	–	–	*
Southampton (Calshot)	cbcy	bcby	bbc	bwm.	77	(56)	46	–	–	Tr	–	9.7
Dungeness	bcc	c	cbcbb	bbc3.	69	53	*	–	–	–	–	*
Guernsey	b	b	bbw	b	69	58		–	–	–	–	14.6

ISALLOBARS. 22nd July, 1928.

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	10h 21st	Cambria	NW	1	c	57	54	8
1	12h	St. Julien	N'E	3	bc	62	59	7

GENERAL INFERENCE.

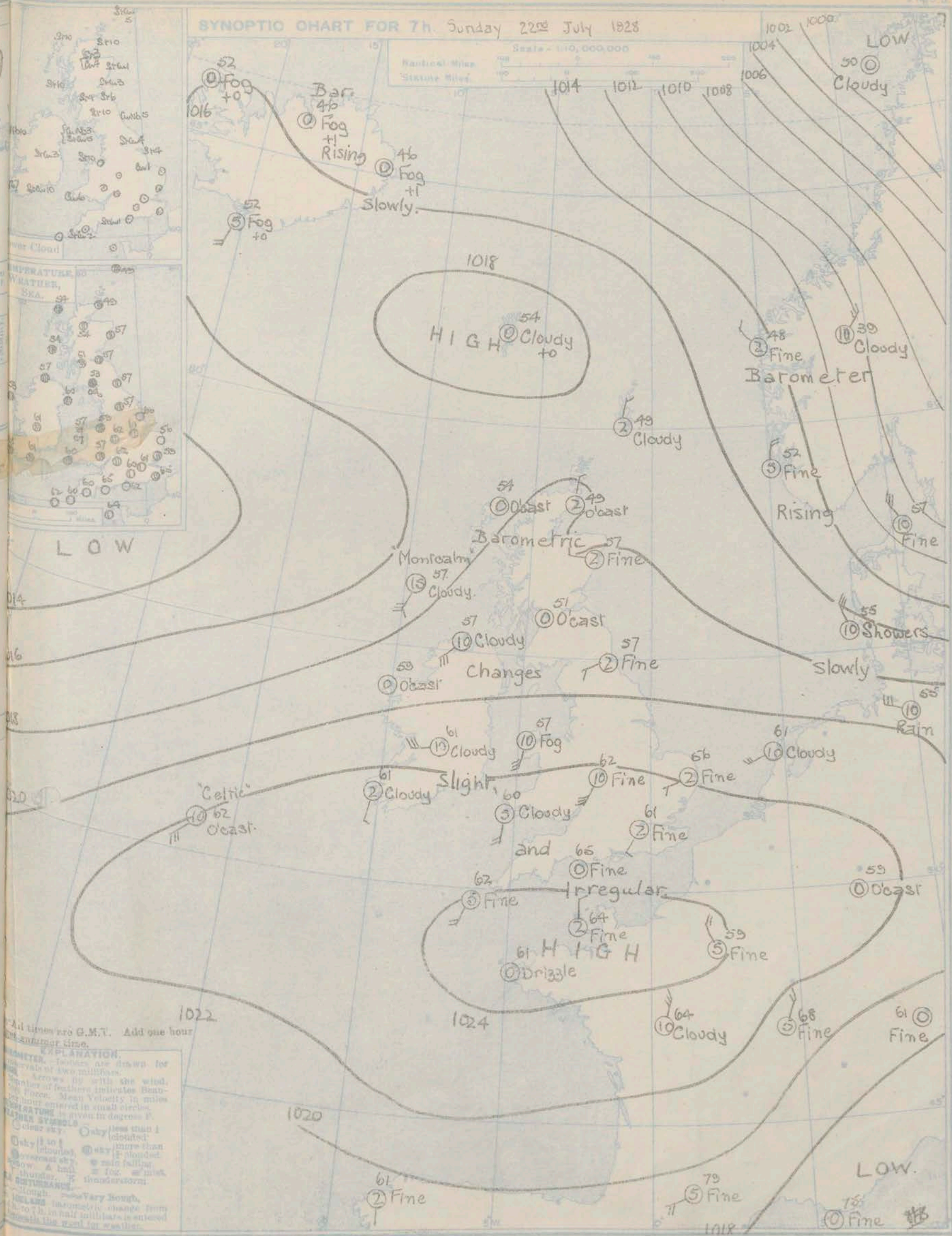
An anticyclone centred over the English Channel is almost stationary. Fine or fair and warm weather will continue in most districts. Drizzle will occur locally in the Northwest.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Sunday, 22nd July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind westerly or variable, light; fine; very warm.	Similar.
5. S.W. England 6. South Wales	Wind westerly or variable, light; fine; local coastal fog; very warm.	
7. North Wales 8. N.W. England	Light southwest winds; mainly fair; local coastal fog; warm.	
9. N. Midlands	Light southwest winds; cloudy at first, with local drizzle, chiefly on hills, improving later; warm.	
10. N.E. England	Light southwest winds; mainly fair; warm.	
11. S.E. Scotland	Light variable winds; mainly cloudy at first, improving later; warm.	
12. S.W. Scotland & Isle of Man	Light to moderate southwest winds; mainly cloudy; local drizzle, chiefly on hills; local coastal fog; warm.	
13. A. W. Scotland B. N.W. Scotland		
14. Mid-Scotland 15. N.E. Scotland	As 10 - 11.	
16. Orkneys and Shetlands	Light variable winds; cloudy and bright periods; moderate temperature.	
17. N.W. Ireland		
18. N.E. Ireland	Light to moderate, south to southwest winds; cloudy and bright periods: local coastal fog; warm.	C.B.
19. S.E. Ireland		
20. S.W. Ireland		

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1230 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 22nd July 1928
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Cloudy
Fog
Bar.
Rising
Slowly.
HIGH
Cloudy
Fine
Barometer
Rising
Showers
Slowly
Rain
Baromet ric
Changes
Slight
and
Irregular
HIGH
Drizzle
Montcalm
Celtic
O'cast
LOW.
1016
1014
1012
1010
1008
1006
1004
1002
1000
1018
1020
1022
1024
All times are G.M.T. Add one hour for summer time.
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 ½ clouded. sky more than ½ clouded. overcast sky. rain falling. snow. hail. fog. mist. thunder. thunderstorm.
SEA DISTURBANCE.
Slight. Rough. Very Rough.
ISOBARS barometric change from 6h. to 7h. in half millibars is entered towards the west for weather.
H.M. Stationery Office Litho Press, Kingsway, W.C. 2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION...Sunday, 22nd July.....1928. No. 204

Stations.	Height above M.S.L. in feet.	Observations at 1h. G.M.T. 22nd. 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	64	1015.6	+2	NW	2	c	47	75	8	2500	StCu	5	ASt	8
Stornoway	30	1013.0	0	W	1	c	*	*	6	*	*	*	*	10
Wick	81	1018.2	0	W	2	od	52	97	7	1500	Nb	10	–	10
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	85	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	81	1015.4	–1	WSW	3	bc+	59	92	7	5700	StCu	3	CCu	6
Renfrew	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	199	1018.7	+1	WSW	3	b	53	92	8	1500	St	2	–	2
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	87	1020.4	0	W	3	b	56	85	7	1500	Cu	1	–	1
Blackwod Point ...	18	1019.7	0	–	0	bc	58	85	7	*	–	0	ACu	6
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1021.9	–2	S'W	3	b	57	92	6	4000	StCu	1	Cu	1
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Harrogate	476	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1021.2	0	W'S	3	bc	57	85	7	5700	StCu	3	–	3
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	258	1022.8	+1	W	2	b	52	97	6	–	–	0	–	0
Gorleston	14	1022.1	0	SW	3	b	58	85	7	–	–	0	–	0
Valentia (Cahirciveen)P	90	1022.2	0	S	2	c+	63	97	7	–	–	0	ASt	10
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	169	1023.4	0	S	2	ff b	60	97	1	–	–	0	–	0
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Lossiemouth	612	*	*	*	*	*	*	*	*	*	*	*	*	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	58	*	*	*	*	*	*	*
Croydon	344	1023.2	+1	WSW	1	b	55	85	7	–	–	0	–	0
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1022.9	0	N'W	3	b	56	92	6	–	–	0	–	0
Scilly (St. Mary's) ...	163	1024.9	–1	W'S	2	b	59	92	7	–	–	0	Cu	1
Falmouth (Pendennis)	208	1026.5	+1	–	0	bc	58	85	8	4000	StCu	2	ACu	3
Plymouth (Cattewater)	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill ...	82	1022.6	0	NNW	3	b	62	85	8	–	–	0	–	0
Southampton (Calshot)	10	1023.4	0	NW	1	b	61	85	8	–	–	0	–	0
Dungeness	30	1022.8	+1	NNW	1	b–	57	97	7	–	–	0	–	0
Guernsey (Port George) P	205	1024.4	+1	NW	1	b–	60	92	7	–	–	0	–	0

Stations.	Observations at 7h. G.M.T. 22nd. 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	1017.1	+2	NNE	1	c	49	65	8	2500	StCu	5	ASt	8	*
Stornoway	1017.9	0	–	0	0	54	97	6	2500	St	10	–	10	0
Wick	1018.1	0	NNE	1	0	49	97	6	800	St	10	–	10	0
Tiree	1018.4	–2	S'E	2	0	54	97	8	800	St	10	–	10	1
Nairn	1017.9	*	–	0	bc+	54	85	8	800	Cu	7	–	7	*
Aberdeen	1018.3	+1	WNW	1	bc	57	75	8	4000	StCu	1	ACu	6	0
Malin Head	1018.5	0	WSW	3	c	57	92	6	5700	StCu	9	–	9	1
Renfrew	1018.8	–1	–	0	0	51	97	5	1500	St	10	–	10	*
Edinburgh (Inchkeith)	~~1016~~ 1018.2	–1	WSW	1	c	57	65	7	800	St	6	ACu	9	1
Leuchars	1018.2	–2	WSW	2	c	55	85	8	2500	StCu	3	ASCu	9	*
Eskdalemuir	1015.0	–1	S	1	od	53	97	4	<150	St	10	–	10	*
Tynemouth	1018.9	–1	WSW	1	bc+	57	85	6	1500	CuNb	5	ACu	7	0
Blackwod Point ...	1019.2	–1	–	0	0	59	97	5	*	Nb	10	–	10	2
Donaghadee	1019.4	+1	W	1	c+	60	92	7	2500	StCu	8	–	8	1
Birr Castle	1020.6	*	W	3	c+	61	85	6	1500	StCu	3	ASt	10	*
Holyhead	1020.9	+1	SSW	3	ifo	57	97	3	220	St	10	–	10	1
Liverpool (Bidston) ...	1020.6	–1	SW	1	c–	59	75	8	–	–	0	ASt	9	*
Chester (Sealand) ...	1020.5	–4	SE'S	1	c	57	92	8	2500	StCu	9	–	9	*
Harrogate	1019.9	–1	SSW	2	c	57	85	7	7200	StCu	4	ASt	10	*
Spurn Head	1020.2	0	W	2	c	60	85	6	4000	St	4	ACu	9	0
Birmingham (Edgbaston)	1022.2	–1	SW	3	bc	62	65	8	–	–	0	Cu	6	
Cranwell	1021.9	–1	WSW	2	bcr	61	85	7	4000	Cu	1	ACu	3	*
Gorleston	1021.6	0	W'S	1	b	56	92	6	–	–	0	Cu	2	0
Valentia (Cahirciveen)P	1022.5	+1	S'W	1	c	61	92	7	800	Nb	7	ACu	10	0
Roches Point	1022.7	–1	SW	2	c	61	92	8	1500	StCu	10	–	10	0
Pembroke (St. Ann's H.)	1023.4	–1	S'W	2	c+	60	97	7	1500	Cu	6	CuSt	8	0
Ross-on-Wye	1022.4	–2	WSW	1	bc	57	85	8	–	–	0	ACu	4	*
Lossiemouth	1022.9	*	SW	1	bc+	62	65	7	–	–	0	CuSt	4	*
Winchester (Worthy Dn.)	1023.7	0	–	0	bc	59	92	7	–	–	0	ACu	3	*
S. Farnborough ...	1023.1	0	–	0	b	60	75	7	–	–	0	CuCu	1	*
London (Kew Obsy.) ...	1023.2	+1	SW'S	1	b	61	75	5	–	–	0	CuCu	1	*
Croydon	1023.0	0	W	1	b	62	75	6	–	–	0	Cu	2	*
Shoeburyness	1022.7	0	NW	2	b	61	85	7	–	–	0	ASt	2	*
Clacton-on-Sea ...	1022.5	0	WNW	3	bc	57	85	6	–	–	0	CuSt	5	0
Felixstowe	1022.3	0	WNW	1	bc	59	85	6	–	–	0	CuSt	4	0
Lympne	1023.1	0	NNW	2	b	61	85	6	–	–	0	Cu	2	*
Scilly (St. Mary's) ...	1024.0	–1	SW'W	2	b	62	92	7	–	–	0	–	0	0
Falmouth (Pendennis)	1024.6	0	–	0	b	60	85	8	4000	StCu	2	–	2	0
Plymouth (Cattewater)	1024.3	0	NNW	2	b	60	85	7	–	–	0	Cu	1	0
Portland Bill	1022.8	0	–	0	b	65	75	6	2500	StCu	1	–	1	0
Southampton (Calshot)	1023.4	0	NW'N	1	b	62	75	6	–	–	0	–	0	0
Dungeness	1023.1	+2	N	1	bc+	65	65	6	–	–	0	CuSt	1	
Guernsey (Port George) P	1024.5	0	N'E	1	b+	64	75	7	–	–	0	Cu	1	0

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 21h. to 9h. 21st	Temperature. Max. 9h.-17h. 21st	Rainfall.† Night 17h.-9h. 21-22nd	Rainfall.† Day 9h.-17h. 21st	Sunshine. Sunrise to 17h. 21st	Sunshine. Sunrise to Sunset. 20th
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	bc	c	51	69	–	–	6.5	10.6
Douglas (I. o. M.) ...	bc	by	55	65	–	–	8.8	6.9
Llandudno ...	c	bcb	57	65	–	–	5.9	3.3
Colwyn Bay ...	cb	b	57	65	–	–	5.1	3.2
Rhyl	bc	bcb	58	66	–	–	6.0	5.8
Wallasey	cbc	b	58	65	–	–	6.0	5.4
Southport	cbc	cbc	*57	63	–	–	7.3	4.2
Blackpool	cbc	bc	(57)	63	–	–	7.0	3.1
Ilkley	b	b	53	71	–	–	11.3	11.1
Cleethorpes	b	b	52	67	–	–	11.8	9.6
Skegness	cbc	bc	53	65	–	–	10.8	3.0
Aberystwyth ...	cbc	b	58	64	–	–	7.1	1.7
Bath	b	b	57	79	–	–	11.8	10.2
Cheltenham ...	cbcb	by	59	77	–	–	8.9	10.1
Leamington Spa ...	cb	bcb	56	73	–	–	9.8	8.1
Lowestoft	b	b	51	63	–	–	11.0	6.4
Harwich & Dovercourt	b3	b3	55	77	–	–	11.9	8.6
Maldon	b	b	55	77	–	–	11.5	6.9
Southend	b	b	56	80	–	–	11.4	9.3

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	b	b	56	66	–	–	12.0	12.8
Bude	bcb	bbc	51	68	–	–	11.3	13.0
Penzance	b	b	54	75	–	–	11.5	11.9
Paignton	by	b	56	80	–	–	12.0	14.6
Torquay	by	b	56	80	–	–	11.8	14.7
Jersey	bc	b	61	71	–	–	12.0	14.5
Weymouth	by	b	56	76	–	–	12.3	13.3
Bournemouth ...	b	b	54	80	–	–	11.0	13.0
Ventnor ...	bcocb	b	55	72	–	–	8.0	12.0
Portsmouth (S'thsea)	ocb	b	57	78	–	–	6.9	10.9
Bognor	cbc	bcb	57	75	–	–	8.3	8.9
Littlehampton ...	cbc	b	59	73	–	–	8.7	10.9
Worthing	cbc	bcb	58	74	–	–	9.2	9.8
Brighton	b	b	59	75	–	–	10.0	10.8
Eastbourne	b	b	60	72	–	–	8.6	9.2
Hastings‖	b	b	59	71	–	–	9.2	9.2
Folkestone	cbcb	b3o	57	72	–	–	8.8	7.3
Dover	b	b	58	68	–	–	9.9	7.4
Tunbridge Wells ...	b	b	58	77	–	–	9.7	9.6
Ramsgate	b3	b3	60	72	–	–	10.6	9.9
Margate	b	b	59	70	–	–	11.5	10.3
Deal	cbc	b	55	74	–	–	9.3	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 officially 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 health resorts, 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.24,350 Monday 23rd July 1928. Page 1.

Observations at 13h. G.M.T. 22nd

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	1018.3	+1	N'W	1	c	56	55	8	2500	St.Cu	5	A.St	8	•
Stornoway	1018.1	+1	-	0	c-	60	85	9	2500	St	9	-	9	•
Wick	1019.0	+2	ESE	2	o	50	97	8	1500	St	10	-	10	•
Tiree	1018.0	0	W	3	o	58	97	6	800	St	10	-	10	0
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1018.9	+1	E	2	c	57	85	8	1500	St.Cu	3	A.Cu	8	0
Malin Head	1019.3	+1	SW'W	3	ffc	58	97	2	4000	Nb	2	A.St	10	•
Renfrew 1017.9	1018.7	0	W'S	3	c	62	75	7	1500	Cu	9	-	9	0
Edinburgh (Inchkeith)	~~1012.9~~	-1	W	3	c	62	85	6	800	Cu	9	-	9	•
Leuchars	1017.8	0	-	0	c/r	59	85	8	1500	St.Cu	6	A.St	9	0
Eskdalemuir	1018.7	0	SW'W	3	c	60	85	7	1500	St.Cu	10	-	10	0
Tynemouth	1017.8	-1	-	0	o	58	85	6	1500	Nb	10	-	10	•
Blacksod Point	1019.8	+1	S	3	c	60	92	7	*	-	0	A.St	10	•
Donaghadee	1019.6	+1	WSW	1	cd₀	61	85	7	2500	Cu.Nb	8	-	8	•
Birr Castle	1021.0	•	SW	2	cr₀	63	85	6	1500	Nb	9	-	9	•
Holyhead	1021.3	0	SW'S	1	cr₀r₀	59	97	6	4000	Nb	6	A.St	10	1
Liverpool (Bidston)	1021.5	+1	W'N	3	cr₀r₀	61	92	6	2500	Nb	9	A.St	10	•
Chester (Sealand)	1020.9	+1	NW'N	4	c	67	75	6	2500	St.Cu	6	A.St	10	0
Harrogate	1020.0	0	SW	1	cr₀	60	92	7	4000	Nb	9	A.St	10	•
Spurn Head	1019.3	-1	WNW	5	c	67	75	6	4000	St	5	A.Cu	9	•
Birmingham (Edgbaston)	1021.3	0	WNW	4	c⊕	73	35	8	-	-	0	Ci.St	9	0
Cranwell	1020.7	0	WNW	3	c	72	55	7	4000	St.Cu	9	-	9	0
Gorleston	1018.4	-3	WSW	3	bc	80	35	6	-	-	0	Ci	5	•
Valentia (Cahirciveen)	1023.4	+1	SW'W	3	or	62	97	7	450	St	10	-	10	1
Roches Point	1023.3	+1	SW	2	c/pr	65	85	7	1500	Cu.Nb	9	-	9	•
Pembroke (St. Ann's H.)	1022.7	0	W	2	c+	62	92	6	1500	St.Cu	6	A.St	10	•
Ross-on-Wye	1020.6	+1	W'S	4	c+	77	35	8	-	-	0	A.St	9	0
Leafield	1021.3	-2	W'S	4	c	81	35	8	7200	St.Cu	4	A.St	8	0
Winchester (Worthy Dn.)	1021.9	-2	WSW	3	bc	83	35	8	-	-	0	A.Cu	3	0
S. Farnborough	1021.5	-1	SW'W	4	bc+	86	25	8	-	-	0	A.Cu	3	0
London (Kew Obsy.)	1020.8	-3	W	3	bc	82	25	8	-	-	0	A.Cu	6	0
Croydon	1021.2	-2	W	3	bc+	84	25	8	-	-	0	Ci	7	0
Shoeburyness	1020.6	-2	NW	3	b	82	35	7	-	-	0	Ci.Cu	2	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	1020.9	-2	S	4	bc+	75	65	6	-	-	0	Ci.Cu	3	0
Lympne	1022.1	-1	SW	3	b	74	55	7	-	-	0	Ci	1	0
Scilly (St. Mary's)	1025.2	+1	SW'W	3	bc+	68	75	7	-	-	0	A.Cu	7	•
Falmouth (Pendennis)	1024.0	-2	SW'W	4	bc+	65 (5)	7 (8)	4000	Cu	1	C.St	4	•
Plymouth (Cattewater)	1024.7 (3)	0	SSW	3	bc⊕	70	65	7	-	-	0	Ci	7	0
Portland Bill	1023.0	0	W	2	bc+	69	75	3	2500	St.Cu	2	Ci	6	•
Southampton (Calshot)	1022.8	-1	SW	4	b	80	45	7	-	-	0	-	0	0
Dungeness	1022.9	-1	SW	3	bc	69	65	7	-	-	0	Ci.St	5	•
Guernsey (Fort George)	1024.3	0	NW	2	b	73	55	7	-	-	0	A.Cu	1	•

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1018.9	0	-	0	bc	53	75	8	2500	Cu	6	-	6	•
Stornoway	1018.1	0	WNW	3	c+	55	92	8	4000	Cu.Nb	10	-	10	2
Wick	1020.8	+1	ENE	2	c	50	85	8	1500	St	6	A.St	10	0
Tiree	1019.5	+1	W	2	bc"	60	85	8	1500	Cu	5	A.Cu	7	1
Nairn	1019.1	•	E	1	c+	54	85	7	800	St	8	-	8	•
Aberdeen	1019.2	+1	ESE	2	ffo	53	92	3	<150	St	10	-	10	0
Malin Head	1019.8	+1	W	4	bc+	58	~~75~~ 92	~~8~~ 7	4000	Cu	2	A.Cu	7	1
Renfrew	1018.6	0	W	2	c	62	85	8	2500	St.Cu	9	-	9	•
Edinburgh (Inchkeith)	1018.2	0	WSW	2	c	61	85	8	1500	St	6	A.Cu	10	0
Leuchars	1018.2	0	NE	1	c	56	92	7	1500	St.Cu	9	-	9	•
Eskdalemuir	1018.8	0	W'S	3	c	61	75	7	2500	St.Cu	7	A.St	9	•
Tynemouth	1017.7	0	W	2	c+	66	75	7	1500	Nb	8	-	8	0
Blacksod Point	1020.7	+1	W	3	c	59	97	6	*	-	0	A.St	10	1
Donaghadee	1019.6	+1	W	1	cr₀	60	97	6	2500	Cu.Nb	9	-	9	1
Birr Castle	1020.6	•	SW	2	c	63	85	7	1500	Cu	8	-	8	•
Holyhead	1020.6	-1	SW	3	c	60	92	6	5700	St	10	-	10	1
Liverpool (Bidston)	1020.5	-1	W	1	c	64	85	8	4000	St.Cu	3	A.Cu	8	•
Chester (Sealand)	1020.5	-2	SW	1	c-	66	75	7	2500	St	8	A.St	9	•
Harrogate	1019.3	-1	SW	3	c	63	75	7	4000	Nb	7	A.Cu	8	•
Spurn Head	1019.0	0	W'N	3	c	65	85	6	4000	St	6	A.St	9	0
Birmingham (Edgbaston)	1020.7	-1	WNW	2	cr₀	67	65	8	2500	Nb	3	A.St	10	•
Cranwell	1020.8	0	WNW	3	cr₀r₀	63	92	6	4000	St	3	A.St	10	•
Gorleston	1020.2	+2	NNW	3	c	70	65	6	-	-	0	A.St	9	0
Valentia (Cahirciveen)	1023.6	0	WSW	2	c/r	61	92	8	800	St	8	A.Cu	10	0
Roches Point	1023.1	0	WSW	2	c	64	85	8	1500	St.Cu	10	-	10	0
Pembroke (St. Ann's H.)	1022.4	-1	WNW	3	c/pr₀	60	97	6	500	Cu.Nb	8	A.St	10	0
Ross-on-Wye	1020.7	-1	WNW	3	c	72	55	8	4000	Cu.Nb	1	A.St	10	•
Leafield	1021.1	-1	NW'W	3	c	72	45	8	-	-	0	A.St	9	•
Winchester (Worthy Dn.)	1021.7	0	W'N	3	c⊕	75	35	8	-	-	0	Ci.St	8	•
S. Farnborough	1020.9	-1	WNW	3	c⊕	78	25	8	-	-	0	Ci.St	9	•
London (Kew Obsy.)	1020.3	-1	W'S	3	c+	79	25	8	4000	Cu	1	Ci.St	8	•
Croydon	1020.1	-1	W	4	c	79	25	8	-	-	0	A.St	9	•
Shoeburyness	1019.7	-2	NW	3	bc+	82	55	7	2500	St	6	-	6	•
Clacton-on-Sea	1019.4	-3	NW	4	bc	80	35	7	4000	St.Cu	4	Ci	7	2
Felixstowe	1019.2	-1	NNW	3	c	76	35	7	-	-	0	A.St	9	1
Lympne	1020.7	-1	SW'W	3 (2)	c+	70	75	8	-	-	0	Ci	8	•
Scilly (St. Mary's)	1024.1	-1	NW'W	2	c+	64	85	7	4000	St.Cu	10	-	10	0
Falmouth (Pendennis)	1024.2	+1	NW'N	3	c	66	85	7	4000	St.Cu	7	A.St	9	0
Plymouth (Cattewater)	1023.1	+1	NW	4	c+	71	55	7	-	-	0	A.St	10	0
Portland Bill	1021.9	-2	W	1	c⊕	65	75	6	2500	St.Cu	5	Ci	8	0
Southampton (Calshot)	1021.6	0	WSW	3	bc+	75	55	8	-	-	0	A.Cu	7	0
Dungeness	1020.9	-4	WSW	3	bc+	67	75	7	-	-	0	Ci.Cu	6	3
Guernsey (Fort George)	1023.4	-2	NW	2	bc+	68	65	7	-	-	0	Ci.St	6	0

LONDON OBSERVATIONS. Day 7h-18h, Kew & Croydon. 9h-18h, Kensington. 8h-21h, other stations.	Height above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Max. Day °F.	Min. Nght °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	bbcy	bcycy	cycb	84	61	52	-	-	9.8	*	*	8
Croydon	244	bbcy	bccy	cbcybc	85	59	53	-	-	10.6	*	*	6
Greenwich (Royal Obsy.)	149	by	bbccy	cycmc	92	62	47	-	-	10.6	23	63	7
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	10.0	*	*	*
Westminster (St. James' Pk.)	37	*	*	*	85	65	59	-	-	10.4	25	57	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	10.7	*	*	*
Camden Square	110	bbcc	bcb	*	88	64	-	-	-	*	*	65	*
Kensington Palace	80	bc	c	*	87	62	54	-	-	*	(At 18h) 21	57	*
Hampstead Observatory	450	*	*	o	86	59	-	-	-	10.6	*	61	*

Weather columns: 24 HOURS ENDED 8h.

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 7h. G.M.T. 23rd

South Kensington

Max.	Time.	Min.	Time.
0.3	8h 22nd	<0.3	14h 22nd

Kew Observatory

Max.	Time.	Min.	Time.
0.1	5h 23rd	<0.1	15h 22nd

POLE STAR RECORD at Greenwich Obsy.

Exposure from 22nd 21 h 15 m. to 23rd 3 h 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5 45	1 15	22
δ Ursae Minoris	5 45	0 54	16

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.

23rd-24th July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.0 / 4.1	11.59 / 11.59	19.59 / 19.56
Greenwich	4.12 / 4.13	12.6 / 12.6	20.0 / 19.58
Wick	3.46 / 3.48	12.19 / 12.19	20.50 / 20.45
Valentia	4.51 / 4.52	12.47 / 12.47	20.43 / 20.41

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—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 those columns not usually received. ‡ The barometric change is expressed in half millibars.

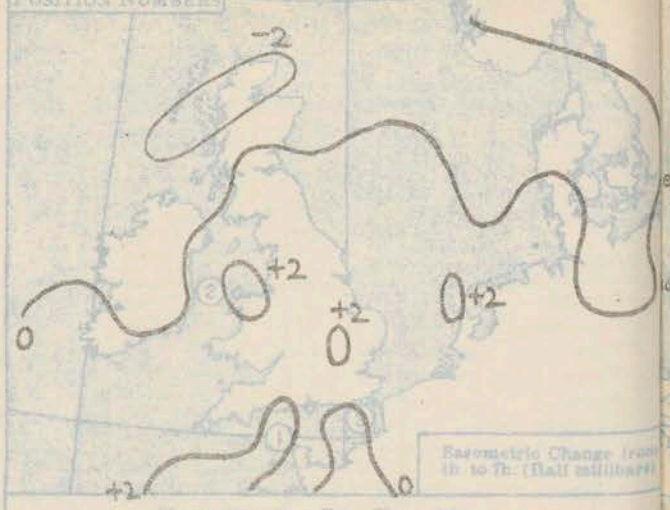
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-13h. 22nd	13h.-18h. 22nd	18h. 22nd to 1h. 23rd	1h.-7h. 23rd	Temperature. Max. Day 7h.-18h.	Min. Night 18h.-7h.	Min. on Grass	Rain/all.† Day 7h.-18h. mm.	Day 7h.-18h. began.	Night 18h.-7h. mm.	Night 18h.-7h. began.	Sun 22nd Hours.
Lerwick	cbccy	cbc	bbc	cbc	58	44	•	–	–	–	–	10.4
Stornoway	c	c	c	o	61	50	•	–	–	–	–	2.0
Wick	o	c	c	c	57	48	•	–	–	–	–	•
Tiree	d.mo	ocbc	c	com	60	55	53	0.2	<8.00	–	–	3.2
Nairn	bc	bcc	bccm	cgm	61	48	•	–	–	–	–	7.2
Aberdeen	bcc	comym	ommo	ommo	63	52	52	–	–	–	–	4.2
Malin Head	cd.dffo	cffobc	bccm.	cm.or.	60	55	•	1	<8.00	0.6	2.30	1.5
Renfrew	om.cd.c	c	obc	c	66	51	44	Tr.	11.00	–	–	2.6
Edinburgh (Inchkeith)	c	c	co	c	64	52	47	–	–	–	–	1.6
Leuchars	c,cr.c	c,ir.c	cm.	cm.w	61	53	53	Tr.	12.30	–	–	0.0
Eskdalemuir	od.mdc	cbcc	cbcm.	cmcgdc	63	52	50	Tr.	<8.00	Tr.	6.30	0.3
Tynemouth	o	oc	c	c	68	57	51	–	–	–	–	•
Blacksod Point ...	p.o	o	o	d.o	60	58	•	1	•	0.1	•	•
Donaghadee	cid.	PRir	cid.c	cm.c	61	56	•	4	11.00	0.4	21.00	•
Birr Castle	cir.	cir.	cir.b	cm.65 (69)	64	58	57	3	<8.00	0.2	21.00	2.4
Holyhead	fr.r.	r.cm.	pr.cwc	cpr.	64	57	57	1	9.00	Tr.	21.00	0.7
Liverpool (Bidston) ...	ccr.	p.pc	cp.o	oc	64	58	56	0.5	12.30	Tr.	21.00	0.0
Chester (Sealand) ...	c	cr.r.c	cpr	com.	68	60	57	0.1	12.30	0.3	21.00	0.1
Harrogate	cir.	cir.c	c	bbcc	65	58	55	Tr.	11.00	–	–	0.8
Spurn Head	c	cprc	bccpr.	cpd	73	60	•	Tr.	16.30	0.2	22.00	5.0
Birmingham (Edgbaston)	bcc	ccf.	c	c	77	55	49	Tr.	16.30	–	–	5.1
Cranwell	c	ccf.	circcc	bcm.c	75	56	53	0.3	16.30	0.3	21.00	5.4
Gorleston ...	~~bz~~ bcz	bczo	or.b	bccb	85	56	54	–	–	Tr.	22.00	8.9
Valentia (Cahirciveen)	cour	coir.	om	c	69	59	57	0.1	12.30	0.2	1.30	0.0
Roches Point	cp.c	cp.c	c	cgw	66	57	•	0.4	12.30	Tr.	–	•
Pembroke (St. Ann's H.)	cm.	cm.	cp.m.	bc	64	57	•	Tr.	16.30	Tr.	21.00	0.6
Ross-on-Wye	bccy	cy	c	c	81	57	52	–	–	–	–	6.2
Leafield	bc	cy	c	bc	81	55	46	–	–	–	–	9.7
Winchester (Worthy Down)	bybcy	bcycy	cybc	bcbcm.	85	57	54	–	–	–	–	9.6
S. Farnborough ...	bbcy	bccy	cm.	cbm.	88	58	49	–	–	–	–	10.8
London (Kew Obsy.) ...	bbcy	bcycyc	cyc	cb	84	61	52	–	–	–	–	9.8
Croydon	bbczy	bccy	cbcy	bcy	85	59	53	–	–	–	–	10.6
Shoeburyness	bz	bcz	b	cbc	87	61	50	–	–	–	–	12.4
Clacton-on-Sea ...	bcz	bczy	bccy	cbc	81	62	57	–	–	–	–	9.9
Felixstowe	bcm.b	bcz.c	bc	bc	81	58	52	–	–	–	–	9.7
Lympne	bm.bby	bbcy	c	cbcb	76	57	50	–	–	–	–	12.1
Scilly (St. Mary's) ...	bbc	bcc	c	cbcc	70	59	•	–	–	–	–	8.1
Falmouth (Pendennis)	bbc	bc	cz.	cz.	78	60	•	–	–	–	–	10.3
Plymouth (Cattewater)	bbc	bccy	cyo	ocm.	77	62	60	–	–	–	–	10.3
Portland Bill	bbc	bccz.	c	cbc	70	61	•	–	–	–	–	•
Southampton (Calshot)	bmy	bcy	bcyc	cbcm.	81	61	58	–	–	–	–	12.4
Dungeness	zbc	bc	bcb	cbccc	73	60	•	–	–	–	–	•
Guernsey	by	bbcy	c	bcc	75	60	•	–	–	–	–	13.5

ISALLOBARS — 23rd July, 1928.

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.	Visibility.
3	23rd 1h	Diebbe	NNE	1	bc+	63	61	7

GENERAL INFERENCE.

An anticyclone is centred off our Southwestern coasts whilst a depression centred southwest of Iceland is moving slowly east-north-eastwards. Weather will continue fair and warm in the southern districts of the British Isles but elsewhere more unsettled conditions are likely with some drizzle or rain and lower temperatures than of late.

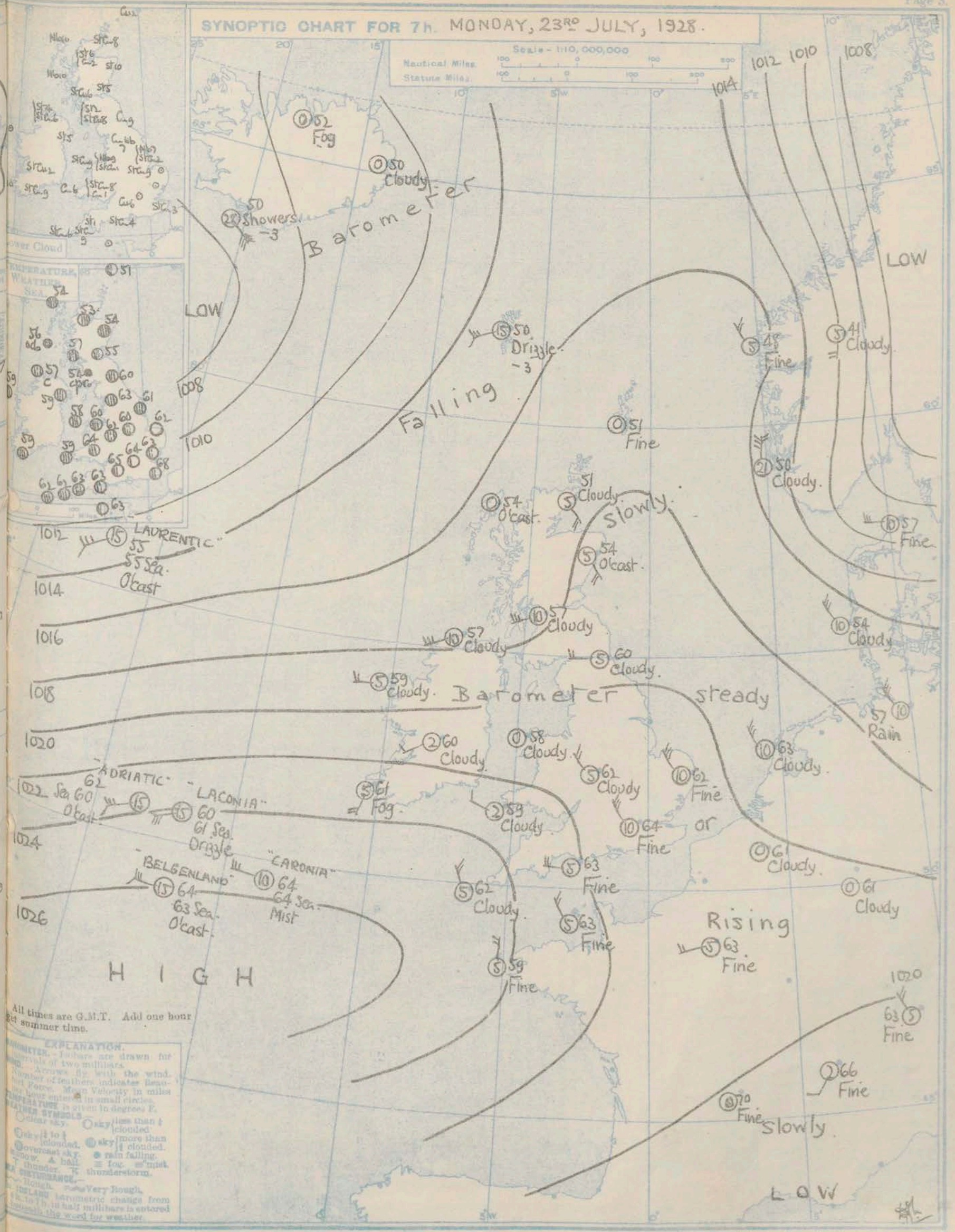
Monday, 23rd July, 1928.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light westerly winds becoming moderate southwesterly; fair; very warm; local morning mist.	Continuing fair and warm in Southern, Midland and Eastern England but some drizzle or rain elsewhere with lower temperature
5. S.W. England 6. South Wales	Light westerly winds becoming moderate southwesterly; fair; warm; coastal fog at night and in early morning.	
7. North Wales	As 1 - 4.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Light westerly winds becoming moderate southwesterly; cloudy, some drizzle or rain; rather warm.	
13. A.W. Scotland B.N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Moderate to fresh southwesterly winds; cloudy, some drizzle or rain; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate winds between west and southwest; cloudy; warm; occasional drizzle or rain; coastal fog locally at night and in early morning.	

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 4

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



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

M.O. Form 2370.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION..Monday,..23rd July,.....1928. No. 205..

Stations	Height above M.S.L. in feet	Observations 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	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Observations 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	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sun. 0-8
Lerwick	54	1018·8	0	-	0	bc	45	92	8	2500	StCu	3	A.St	5	1016·8	-1	-	0	bc	51	75	8	1500	Cu	2	Acu	7	.
Stornoway	30	1019·1	0	E	1	c	.	.	8	.	.	.	.	10	1017·0	-1	-	0	0	54	97	5	2500	Nb	10	-	10	0
Wick	81	1019·5	0	SE	1	c	49	85	8	1500	Stu	6	CiSt	8	1017·5	-2	SSE	2	c	51	92	8	1500	Stu	8	CiSt	10	1
Tiree	22	.	.	.	.	.	.	.	.	.	.	.	.	.	1018·0	-2	WS	4	odo	56	97	6	800	Nb	10	-	10	1
Nairn	22	.	.	.	.	.	.	.	.	.	.	.	.	.	1018·2	.	-	0	c	53	85	7	800	St	8	-	8	.
Aberdeen	45	.	.	.	.	.	.	.	.	.	.	.	.	.	1018·6	-1	SE	2	o	54	92	5	800	St	10	-	10	0
Malin Head	81	1020·6	+1	WSW	2	c	58	97	6	800	St.	10	-	10	1019·3	-1	WS	3	c/r	57	97	7	1500	Stu	10	-	10	0
Renfrew	85	.	.	.	.	.	.	.	.	.	.	.	.	.	1019·6	0	WSW	3	c	57	85	7	2500	Stu	6	ASt	10	.
Edinburgh (Inchkeith)	190	1019·3	+2	NE	1	o	53	97	8	800	St.	10	-	10	1018·8	+1	WSW	3	c	55	92	8	800	St	5	ASt	9	1
Leuchars	40	.	.	.	.	.	.	.	.	.	.	.	.	.	1018·4	0	W	1	c-	57	92	6	800	St	7	ASt	9	.
Eskdalemuir	794	.	.	.	.	.	.	.	.	.	.	.	.	.	1019·8	+1	WN	3	c/pr.	54	85	7	1500	Stu	10	-	10	.
Tynemouth	67	1019·3	0	W	2	bc-	59	85	7	1500	CuNb	6	-	6	1019·9	+1	W	2	c	60	85	7	1500	Cu	9	-	9	1
Blacksod Point ...	18	1021·3	+1	-	0	c	58	97	6	.	-	0	A.St	10	1019·9	-1	W	2	c	59	97	6	.	-	0	ASt	10	1
Donaghadee	40	.	.	.	.	.	.	.	.	.	.	.	.	.	1020·4	0	W	1	c-	59	97	6	1500	St	5	ASt	8	1
Birr Castle	175	.	.	.	.	.	.	.	.	.	.	.	.	.	1021·6	.	SW	1	c+	60	92	6	1500	Stu	2	ASt	10	.
Holyhead	26	1020·8	0	W'N	4	c+	59	92	7	1500	St.	6	A.St	9	1021·5	+2	-	0	c	58	97	7	4000	Stu	9	-	9	0
Liverpool (Bidston) ...	189	.	.	.	.	.	.	.	.	.	.	.	.	.	1021·5	+1	WN	1	c	60	92	7	1500	Nb	10	-	10	.
Chester (Sealand) ...	16	.	.	.	.	.	.	.	.	.	.	.	.	.	1021·2	+2	WNW	3	c	61	92	7	800	St	10	-	10	.
Harrogate	478	.	.	.	.	.	.	.	.	.	.	.	.	.	1020·2	+1	SW	1	c+	63	75	7	4000	CuNb	7	Acu	9	.
Spurn Head	29	1019·2	0	W	4	bc-	61	92	6	4000	CuNb	5	-	5	1019·5	0	W	3	c	61	97	6	4000	Nb	9	-	9	0
Birmingham (Edgbaston)	565	.	.	.	.	.	.	.	.	.	.	.	.	.	1021·8	+1	WNW	2	c	62	85	7	-	-	0	Acu	9	.
Cranwell	230	1021·1	0	W	2	bc-	58	97	6	4000	StCu	7	-	7	1021·1	0	W	2	c+	60	97	6	4000	Stu	9	-	9	.
Gorleston	14	1020·0	0	WNW	1	b	62	92	6	-	-	0	-	0	1020·8	+1	NW	3	b	62	85	6	-	-	0	-	0	0
Valentia (Cahirciveen)P	30	1023·6	0	-	0	c+	59	97	7	-	-	0	A.St	10	1023·3	+1	SW	2	go-	61	97	3	4150	St	10	-	10	0
Roches Point	22	.	.	.	.	.	.	.	.	.	.	.	.	.	1023·3	0	SW	2	c	59	92	8	1500	Stu	9	-	9	0
Pembroke (St. Ann's H.)	160	1022·0	0	NW	1	bc-	59	97	6	1500	Cu	5	A.St	6	1022·8	+1	WNW	1	c+	59	92	7	2500	Cu	6	Acu	8	0
Ross-on-Wye	223	.	.	.	.	.	.	.	.	.	.	.	.	.	1021·6	0	W	2	c-	64	75	8	4000	Stu	9	-	9	.
Leafield	812	.	.	.	.	.	.	.	.	.	.	.	.	.	1021·9	+1	W	2	c-	61	85	7	4000	Stu	4	Acu	8	.
Winchester (Worthy Dn.)	272	.	.	.	.	.	.	.	.	.	.	.	.	.	1022·1	+1	WN	3	bc+	60	85	6	1500	St	7	-	7	.
S. Farnborough ...	230	.	.	.	.	.	.	.	.	.	.	.	.	.	1021·5	+1	NW	2	bc+	65	75	6	1500	Cu	6	-	6	.
London (Kew Obsy.) ...	18	.	.	.	.	.	66	.	.	.	.	.	.	.	1021·6	+2	NNW	3	b	64	75	6	-	-	0	Acu	2	.
Croydon	244	1021·1	0	W	2	bc	65	55	7	-	-	0	CiSt	7	1021·0	+1	NW	2	b-	64	75	6	-	-	0	-	0	
Shoeburyness	11	.	.	.	.	.	.	.	.	.	.	.	.	.	1022·0	+1	NE	2	bc	66	75	8	-	-	0	Acu	4	.
Clacton-on-Sea ...	54	.	.	.	.	.	.	.	.	.	.	.	.	.	1020·8	0	NNW	3	bc	63	85	7	-	-	0	Acu	5	0
Felixstowe	15	.	.	.	.	.	.	.	.	.	.	.	.	.	1020·8	0	N	1	b-	65	75	6	-	-	0	Acu	1	0
Lympne	350	1020·6	0	NNE	1	c+	66	65	8	5700	StCu	9	-	9	1020·2	0	N	2	b-	64	65	7	-	-	0	Acu	2	.
Scilly (St. Mary's) ...	163	1023·6	0	NNW	2	c	59	97	7	4000	StCu	8	-	8	1024·8	+1	NNW	2	c	62	92	7	4000	Stu	6	Ci	8	0
Falmouth (Pendennis)	100	1023·2	0	-	0	c	61	97	6	4000	StCu	6	A.St	10	1024·3	+1	NNW	2	c	62	92	7	4000	Stu	5	-	8	0
Plymouth (Cattewater)	89	.	.	.	.	.	.	.	.	.	.	.	.	.	1023·4	+1	N	3	c+	63	85	6	1500	St	7	Acu	9	0
Portland Bill	52	1021·7	-2	NW	1	bc-	62	85	8	2500	StCu	7	-	7	1022·3	+2	W	2	bc-	63	85	8	4000	Stu	4	Acu	7	0
Southampton (Calshot)	10	1021·4	-2	SW'S	1	c	63	95	8	4000	StCu	4	A.St	10	1022·2	0	NNW	3	bc-	64	55	6	4000	Stu	2	Acu	4	0
Dungeness	30	1021·4	0	W	1	c+	61	85	8	4000	Stu	8	-	8	1021·4	0	NW	3	bc-	68	85	8	4000	Stu	3	-	3	1
Guernsey (Fort George) P	235	1023·4	-1	-	0	c	63	75	7	2500	StCu	8	-	0	1023·5	+2	NNW	2	bc-	63	85	7	-	-	0	Acu	5	1

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 21st to 9h. 22nd	Temperature. Max. 9h.-17h. 22nd	Rainfall†. Night 17h.-9h. 21st-22nd	Rainfall†. Day 9h.-17h. 22nd	Sunshine. Sunrise to 17h. 22nd	Sunshine. Sunrise to Sunset. 21st
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F	°F	mm.	mm.	hr.	hr.
Berwick-on-Tweed	co	pr o	50	62	-	0·5	0·5	9·1
Douglas (I. o. M.) ...	c	c	53	67	0·3	-	2·0	10·6
Llandudno ...	c	rc	54	62	-	0·6	1·2	8·2
Colwyn Bay ...	c bc	bcc	59	69	-	-	0·7	6·0
Rhyl	bcc	cpc	50	69	-	0·6	0·6	8·5
Wallasey	c	o bcc	54	66	-	0·3	0·1	8·0
Southport	or	o bc	50	65	-	1	0·7	9·6
Blackpool	cop	oc	51	66	0·1	-	1·7	8·4
Ilkley	c	c	53	67	-	-	0·3	12·9
Cleethorpes	cb	bo	51	78	-	-	5·1	13·6
Skegness	bc	bco	49	77	-	-	5·8	13·1
Aberystwyth ...	zbcc	cor	53	66	-	Trace	1·6	9·7
Bath	bbc	bbc	53	80	-	-	8·1	14·4
Cheltenham‡ ...	abc	bcy	53	82	-	-	6·8	11·4
Leamington Spa ...	c	c	49	81	-	-	4·9	12·0
Lowestoft	b	bcc	54	85	-	-	9·7	12·1
Harwich & Dovercourt	bz	bc	53	83	-	-	8·8	13·3
Maldon	b	bc	51	86	-	-	9·3	12·8
Southend	b	bbcc	58	87	-	-	10·5	13·2

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe ...	b	bcc	57	70	-	-	6·2	14·2
Bude	mcbcb	bbcc	52	68	Trace	-	7·4	13·1
Penzance	b	bbc	55	71	-	-	9·0	13·7
Paignton	bz	bcy	53	85	-	-	11·0	14·5
Torquay	bz	bbcby	57	85	-	-	11·4	14·2
Jersey	b	b	61	77	-	-	12·0	14·5
Weymouth	b	b	58	75	-	-	10·8	14·0
Bournemouth ...	b	bbc	54	84	-	-	10·0	13·2
Ventnor ...	bz	bbcz	60	71	-	-	11·4	10·0
Portsmouth (S'thsea)	b	b	57	83	-	-	11·4	9·3
Bognor	b	b	54	73	-	-	12·0	10·2
Littlehampton ...	b	bc	52	73	-	-	11·9	11·0
Worthing	b	bbc	54	75	-	-	11·8	11·5
Brighton	b	b	56	74	-	-	11·7	11·6
Eastbourne‡	b	b	55	74	-	-	12·2	10·4
Hastings‡	b	bbc	59	74	-	-	12·1	10·4
Folkestone	wbz	bbc	56	75	-	-	12·1	10·1
Dover	b	bbc	55	70	-	-	12·2	11·8
Tunbridge Wells ...	b	b	50	82	-	-	11·4	11·1
Ramsgate	b	bbc	58	78	-	-	11·6	11·9
Margate	b	bbc	59	82	-	-	11·4	13·1
Deal	b	b	54	79	-	-	12·0	10·9

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. ‡ 7h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24351 Tuesday 24th July 1928. Page 1.

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	Low Cloud Height Feet	Low Cloud Form	Low Cloud 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	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1015.1	-1	SW	2	c	53	85	8	1500	Cu	3	aSt	9	•	1012.9	-3	NW	2	c	53	75	8	2500	S/Cu	4	CiSt	8	•
Stornoway	1015.6	-1	SW	2	o	57	75	6	2500	Nb	10	–	10	•	1013.1	-2	SW	1	o	57	97	7	2500	Nb	10	–	10	0
Wick	1016.0	-1	SSE	2	c	53	92	8	1500	S/Cu	8	CiSt	10	•	1014.0	-2	ESE	1	c/r	53	97	7	1500	St	8	aSt	10	0
Tiree	1016.9	-3	WSW	4	or₀	58	97	7	800	Nb	10	–	10	0	1016.3	-2	WSW	3	[illegible]	57	97	6	800	Nb	10	–	10	2
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.3	•	W	1	bc	63	85	8	800	St	7	–	7	•
Aberdeen	1016.9	-2	SSE	2	c	59	85	6	2500	S/Cu	7	aCu	10	0	1014.6	-3	ENE	1	c	57	92	6	2500	S/Cu	10	–	10	0
Malin Head	1018.4	-1	W	4	or	59	97	6	450	St	10	–	10	•	1017.1	-1	WSW	4	[illegible]	57	97	2	<150	St	10	–	10	1
Renfrew	1019.0	0	WSW	3	c	61	85	7	1500	S/Cu	10	–	10	0	1016.4	-3	WSW	3	ed₀d₀	60	92	5	800	Nb	9	aSt	10	•
Edinburgh (Inchkeith)	1018.4	0	WSW	2	c	61	85	7	800	St	5	aSt	9	•	1015.9	-3	WSW	2	c	59	92	8	1500	St	3	aSt	10	1
Leuchars	1017.1	-1	WSW	3	c	64	75	8	2500	S/Cu	7	aSt	10	0	1015.7	-2	WSW	4	c	63	85	8	2500	S/Cu	5	aSt	10	•
Eskdalemuir	1019.0	-1	SW	3	c/r	58	92	7	1500	Nb	9	aSt	10	0	1017.2	-1	SSW	4	od₀d₀	58	97	5	450	St	10	–	10	•
Tynemouth	1019.2	0	W	2	c	65	65	7	1500	Cu	9	–	9	•	1017.8	-1	W	2	c	64	75	7	1500	St	9	–	9	1
Blacksod Point	1020.1	+1	–	0	imo	60	92	4	•	Nb	10	–	10	•	1019.8	+1	SW	3	c	69	92	6	•	–	0	aSt	10	3
Donaghadee	1019.6	-1	SW	1	cr₀	62	92	6	1500	CuNb	8	–	8	•	1018.3	-1	SW	1	cr	63	97	5	800	Nb	9	–	9	1
Birr Castle	1021.0	•	SW	2	cd₀	64	85	6	1500	Nb	9	–	9	•	1020.0	•	W	3	c/r	63	92	6	1500	Nb	3	aSt	10	•
Holyhead	1021.5	-1	SSW	1	c	63	85	8	1500	Cu	1	aSt	9	0	1019.5	-3	SW	3	ed–	58	97	6	450	Nb	8	aSt	10	0
Liverpool (Bidston)	1021.4	0	WNW	2	c	65	75	7	2500	Cu	1	CiSt	9	•	1020.1	-2	–	0	c/pr₀	61	92	7	2500	S/Cu	10	–	10	•
Chester (Sealand)	1020.7	-1	NW	4	c⊕	68	75	7	2500	Cu	3	aCu	8	0	1020.1	-1	WSW	2	cr₀r₀	63	92	5	1500	S/Cu	9	aSt	10	•
Harrogate	1020.7	0	SW	3	c	64	75	8	4000	CuNb	9	aSt	10	•	1019.4	-1	SW	2	c/r	60	92	8	2500	Nb	9	aSt	10	•
Spurn Head	1020.1	0	SE	2	bc	66	85	6	4000	Cu	4	aCu	7	•	1018.7	-1	NWW	4	c+	65	75	7	5700	S/Cu	6	aSt	10	0
Birmingham (Edgbaston)	1021.4	0	NW	3	c	71	65	8	4000	S/Cu	8	–	8	0	1020.0	-1	WNW	3	c	68	55	8	–	–	0	aSt	9	•
Cranwell	1020.7	-1	N'W	2	c	69	75	6	1500	Cu	9	–	9	1	1019.8	-1	NW	2	c	69	55	6	2500	S/Cu	8	aSt	10	•
Gorleston	1020.8	0	E'N	1	c	63	85	6	2500	S/Cu	10	–	10	•	1019.3	-2	SE	2	c	64	85	6	–	–	0	aSt	10	0
Valentia (Cahirciveen)	1024.4	+1	SW'W	3	od₀	62	97	5	<150	St	10	–	10	5	1024.3	-1	SW'W	2	o	61	97	5	<150	St	10	–	10	0
Roches Point	1023.0	0	SW	2	c	63	92	8	1500	S/Cu	9	–	9	•	1022.3	-2	W	2	c	68	75	8	1500	S/Cu	10	–	10	0
Pembroke (St. Ann's H.)	1023.2	0	WSW	2	c	64	85	8	2500	Cu	2	aCu	9	•	1021.5	-2	WSW	3	c	61	97	7	1500	S/Cu	10	–	10	1
Ross-on-Wye	1020.5	-1	W'N	2	c	74	55	9	4000	Cu	8	aCu	9	0	1020.1	0	WNW	3	c	70	65	8	4000	S/Cu	7	aSt	9	•
Leafield	1021.4	-1	NW	2	c	70	65	9	5700	Cu	6	aCu	9	0	1020.0	-2	WSW	3	c/pr₀	69	65	8	5700	Cu	2	aSt	10	•
Winchester (Worthy Dn.)	1021.4	-1	W	3	bc	74	55	8	4000	S/Cu	5	aSt	7	0	1020.4	-1	W'S	4	c	73	55	8	4000	Cu	1	aSt	10	•
S. Farnborough	1021.2	-1	WNW	3	c⊕	75	45	7	4000	Cu	8	CiSt	10	0	1019.8	-1	W	2	c	74	55	7	4000	CuNb	4	aSt	10	•
London (Kew Obsy.)	1021.3	-1	W	2	c	73	55	8	2500	Cu	4	aCu	9	0	1019.6	-2	NW	2	c	75	45	8	2500	Cu	5	CiSt	9	•
Croydon	1021.4	0	W	2	c+	73	55	7	4000	S/Cu	10	–	10	0	1020.0	-1	W	2	c	74	45	7	4000	Cu	5	CiSt	9	•
Shoeburyness	1021.2	0	–	0	c	74	65	6	4000	Cu	9	–	9	•	1019.6	-1	NE'N	1	c	73	85	8	4000	Cu	6	aCu	9	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.5	-2	S	4	c	69	85	7	7200	S/Cu	8	–	8	2
Felixstowe	1021.0	0	S'E	2	c	68	85	7	2500	S/Cu	5	aCu	8	0	1019.3	-2	S	3	c	71	75	8	5700	Cu	4	CiSt	9	1
Lympne	1021.1	+1	SE	2	c	71	65	6	2500	Cu	9	–	9	0	1019.6	-2	S	1	c	69	75	6	5700	S/Cu	8	–	8	•
Scilly (St. Mary's)	1025.0	+1	W'N	2	c	65	85	8	4000	S/Cu	8	–	8	•	1024.3	-1	W	3	c	63	85	7	4000	S/Cu	8	–	8	0
Falmouth (Pendeunis)	1025.2	+1	NWW	3	bc–	68	65	8	4000	Cu	6	–	6	•	1024.4	-1	NW	3	c	66	85	8	4000	CuNb	6	aCu	8	1
Plymouth (Cattewater)	1023.4	0	WSW	4	bc+	68	75	8	4000	Cu	2	Ci	3	0	1023.0	0	WNW	3	c	66	75	8	2500	Nb	4	CiCu	8	0
Portland Bill	1022.6	0	SW	3	bc	65	85	8	2500	S/Cu	2	aCu	6	•	1021.5	-1	SW	3	c	63	85	6	2500	S/Cu	6	aCu	9	0
Southampton (Calshot)	1021.9	0	SW'W	4	bc	75	55	8	4000	Cu	6	–	6	0	1020.7	-1	WSW	4	bc	72	65	8	4000	S/Cu	5	aCu	7	0
Dungeness	1021.7	+2	SSE	2	c+	66	75	6	1500	Cu	8	CiSt	10	•	1020.9	-2	WSW	3	c–	67	85	7	4000	S/Cu	6	Ci	9	1
Guernsey (Fort George)	1021.1	0	ENE	1	b–	66	85	7	–	–	0	–	0	•	1023.9	-1	WNW	4	bc+	64	85	7	5700	S/Cu	2	aCu	6	3

Observations at 13h. G.M.T. 23rd; Observations at 18h. G.M.T. 23rd.

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 15h. G.M.T. % Yesterday	9h. G.M.T. % To-day	Visibility 9h.
Kew	18	c	cy	cbccφ	76	63	61	–	–	4.7	•	•	8
Croydon	244	bbcyc	cy	cycomfy	77	62	60	–	Tr.	6.1	•	•	8
Greenwich (Royal Obsy.)	169	cy	czy	cydc	83	63	58	–	–	4.7	51	62	7
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	6.0	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	77	66	62	–	–	5.3	47	61	•
Regent's Pk. (Botanic Gdns).	188	•	•	•	•	•	•	•	•	5.3	•	•	•
Camden Square	110	c	c	•	82	64	–	–	–	•	•	61	•
Kensington Palace	80	c	c	•	75	63	60	–	–	•	(At 18h) 44	57	•
Hampstead Observatory	450	•	•	•	78	59	55	–	Tr.	7.2	•		•

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.
0.3	7h 24th	<0.3	15h 23rd

Kew Observatory Max.	Time.	Min.	Time.
0.1	5h 24th	<0.1	15h 23rd

POLE STAR RECORD at Greenwich Obsy.

Exposure from 23rd 21h. 15m. to 24th 3h. 00m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.45	0.45	13
δ Ursae Minoris	5.45	0.29	8

CODE FOR STATE OF GROUND

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 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.

24th & 25th July 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.1	11.59	19.56
	4.3	11.59	19.55
Greenwich	4.13	12.6	19.58
	4.15	12.6	19.57
Wick	3.48	12.19	20.48
	3.50	12.19	20.46
Valentia	4.52	12.47	20.41
	4.54	12.47	20.40

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.
b(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix ₀ 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.
/ "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.

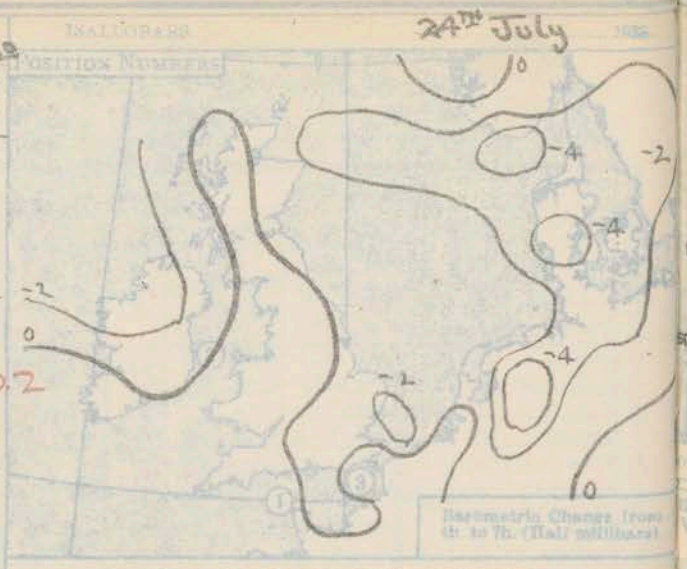
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† 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. Page 2

Summaries for the Past 24 Hours

Stations.	Weather. 7h.-18h. 23rd 20	Weather. 18h.-18h. 23rd 20	Weather. 18h. 23rd 20 to 1h. 24th 20	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	c	cod.c	c	c	55	49	.	Tr.	14.30	–	–	4.6
Stornoway	o	o	r	odd	60	53	.	–	–	0.3	1.30	0.1
Wick	c	cr.r	c	or.r	53	51	.	0.6	13.30	2	4.30	.
Tiree	om.ro	or.r.	c	cdo	58	53	51	1	18.00	0.5	21.00	0.0
Nairn	c	cbc	bc	bcpc	65	54	.	–	–	0.4	3.30	0.1
Aberdeen	od.ocm.	d.cmo	cm.	com.d	62	55	53	Tr.	9.00	0.4	4.30	0.0
Malin Head	cm.ir	crrfjfo	focmcobpr	bofc.odo	60	53	.	7	9.00	3	21.00	0.0
Renfrew	c	c.d.o.d.o	od.cm.	cm.r.	63	55	54	Tr.	14.30	Tr.	21.00	0.1
Edinburgh (Inchkeith)	c	c	coc	p	61	55	53	–	–	Tr.	6.30	0.8
Leuchars	cm.c	c	c	c,cr.,c	67	56	55	–	–	Tr.	6.30	0.4 0.2
Eskdalemuir	ccpdo	cod.dm.	odd.vcom.	om.c	60	53	52	1	11.00	1	21.00	0.0
Tynemouth	c	c	our.	oc	67	58	55	–	–	Tr.	21.00	.
Blacksod Point ...	fmfm	fmo(r)	o	dodo	61	55	.	1	.	1	.	.
Donaghadee	cir.	cirm.	cirbc	bcc	65	55	.	6	11.00	0.1	21.00	.
Birr Castle	cido	cido	cm.	cm.	64	58	57	0.3	15.30	–	–	0.0
Holyhead	c	r.r.DDm.	ddobc	c	64	57	55	1	13.30	1	21.00	0.4
Liverpool (Bidston) ...	c	cpob	cor.d	cv	65	56	55	0.6	15.30	1	21.00	4.3
Chester (Sealand) ...	c	cr.r. 1m	cr.pr	c	71	58	56	0.5	18.30	0.5	21.00	2.8
Harrogate	c	cir.	c	cbc	68	56	55	0.1	16.30	–	–	3.5
Spurn Head	cbc	mcc	cpbc	c	67	60	.	–	–	Tr.	21.00	3.9
Birmingham (Edgbaston)	c	cpro	c	c	73	58	57	Tr.	16.30	–	–	1.8
Cranwell	codm.c	cy	cm.cd.	cd.bc	72	60	58	0.3	9.00	Tr.	24.00	1.9
Gorleston	bcam	cor.c	cm.c	cor.c	70	61	59	Tr.	14.30	Tr.	6.30	5.0
Valentia (Cahirciveen)	ofido	oid.o	odd.	od.oj	62	60	60	1	11.00	1	21.00	0.0
Roches Point	cmopoc	c	c	c	71	59	.	Tr.	9.00	–	–	.
Pembroke (St. Ann's H.)	c	cpom.	cp.m.	cbc	65	59	.	Tr.	14.30	0.4	21.00	4.3
Ross-on-Wye	cbcvcv	cy	cid.	cbc	77	62	59	–	–	Tr.	21.00	3.4
Leafield	c	c 3	co	cbc	75	60	60	Tr.	17.30	–	–	4.9
Manchester (Worthy Dn.)	bcm.bcy	cby	c	c.od.	77	61	60	–	–	Trace	6.30	8.0
S. Farnborough ...	bcy	cy	cyc	cdd.m.	79	61	58	–	–	0.1	4.30	5.1
London (Kew Obsy.) ...	c	cy	c	cbccc	76	63	61	–	–	–	–	4.7
Croydon	bbcyc	cy	cy	com.pr.	77	62	60	–	–	Tr.	6.30	5.1
Shoeburyness	bcc	c	co	co	77	61	58	–	–	–	–	6.2
Clacton-on-Sea ...	bcc	cbcc	cz	czbc	71	62	60	–	–	–	–	6.9
Felixstowe	bbcc	cbcc	c	c	73	64	56	–	–	–	–	7.7
Lympne	bcc	czo	oz.bc	bccmc	73	61	58	–	–	–	–	7.1
Scilly (St. Mary's) ...	cd.oc	cbcc	cofc	cod.o	69	60	.	Tr.	9.00	0.1	2.30	2.8
Falmouth (Pendennis)	cbcc	bcc	cbcq	bcq	71	61	.	–	–	–	–	7.7
Plymouth (Cattewater)	cm.b	bcc	cor.	cd.	71	62	61	–	–	Tr.	21.00	7.2
Portland Bill	bc	bccz.	cp.o	ocbc	66	61	.	–	–	Tr.	21.00	.
Southampton (Calshot)	bcm.by	bcy	cpr.	cm.	81	62	61	–	–	Tr.	22.00	10.2
Dungeness	bcc	c	cbcbc	bbcc	74	62	.	–	–	–	–	.
Guernsey	bcb	bbc	co	cm.	70	61	.	–	–	–	–	11.8



Observations from Cross Channel Steamers.

Position	Date and Time	Steamship	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Barometer
2	23rd 10h	Hibernia	W	1	c	59	57	7
1	" 12h	St. Helier	WNW	3	bc	65	60	6

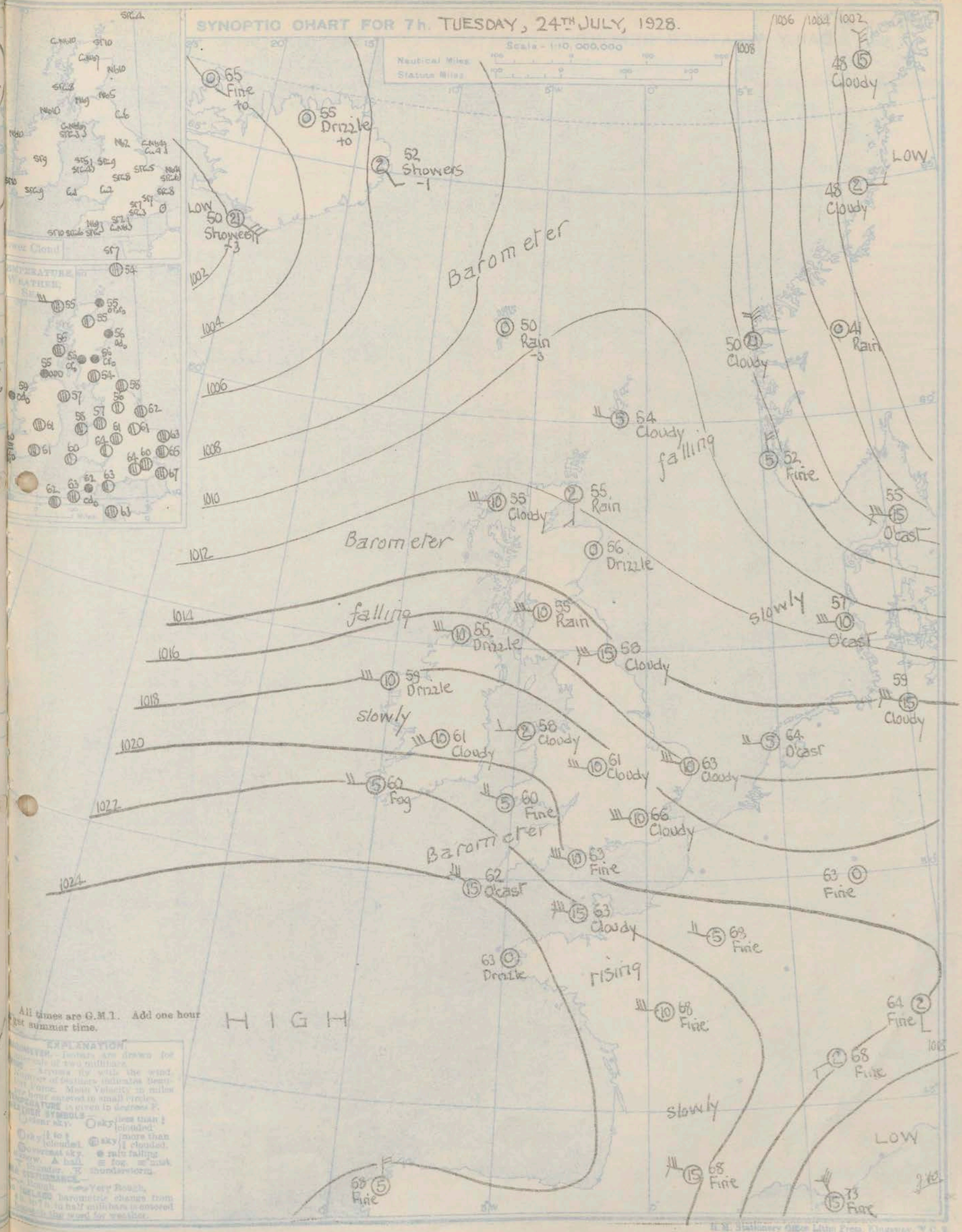
General Inference.

A large anticyclone is centred off southwest Ireland whilst a depression centred southwest of Iceland is almost stationary. Weather over England and Wales will be fair and warm but occasional drizzle or rain will occur over Scotland and Ireland with a lower temperature. Fog is to be expected off our southwest coasts.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Tuesday, 24th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate westerly winds; fair; very warm.	Similar.
5. S.W. England 6. South Wales	Moderate westerly winds; cloudy with bright periods; warm; some coastal fog at night and in early morning.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate westerly winds; fair; warm.	
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	Moderate westerly winds; cloudy with brighter intervals; occasional drizzle or light rain; rather warm.	
19. S.E. Ireland 20. S.W. Ireland	As 5 - 6.	

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

[ ] 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, 24th July....1928. No. 206

Stations.	Height above M.S.L. in feet.	Observations at 1h. G.M.T. 24th: 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. 24th: 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	1010.8	0	NW	2	c	52	85	8	2500	Stu	6	Ast	9	1010.2	-1	WN	2	c	54	85	8	2500	Stu	4	Ast	8	•
Stornoway	30	1013.1	-1	SW	2	cdo	•	•	6	•	•	•	•	10	1012.3	0	W	3	c	55	92	7	4000	CuNb	10	-	10	1
Wick	81	1013.0	-1	ESE	1	c	53	97	7	1500	St	8	Ast	10	1011.7	-2	S	1	ocr	55	92	7	1500	St	10	-	10	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.0	-1	WN	3	cr	55	97	8	1500	Stu	8	-	8	2
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.6	•	-	0	bc/r	55	92	8	1500	CuNb	7	-	7	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.0	-1	-	0	odo	56	97	5	450	Nb	10	-	10	0
Malin Head	51	1018.5	+1	WN	5	bc/p	54	92	7	4000	CuNb	4	-	4	1016.2	-2	W	3	ODD	55	97	4	2500	Nb	10	-	10	0
Renfrew	26	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.4	0	W	3	cr	55	92	7	1500	Nb	9	Ast	10	•
Edinburgh (Inchkeith)	199	1014.5	-2	WSW	4	c	57	92	8	800	St	8	-	8	1014.6	0	WSW	4	cr	55	85	8	1500	Nb	5	Ast	10	2
Leuchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.6	-1	WSW	3	c/r	59	85	8	2500	Stu	7	Ast	9	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.6	0	WNW	3	c	54	85	7	1500	Stu	10	-	10	•
Tynemouth	87	1014.9	-2	W	1	0	61	85	7	1500	St	10	-	10	1017.3	0	W	4	c-	58	85	7	1500	Cu	6	Stu	8	1
Binckod Point ...	18	1020.7	+1	-	0	c	57	92	5	•	-	0	Ast	10	1018.4	-2	W	3	odo	59	97	5	•	Nb	10	-	10	1
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.2	-1	WNW	1	c/p	57	85	7	2500	CuNb	9	-	9	1
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.5	•	WSW	3	c	61	97	6	800	St	9	-	9	•
Holyhead	26	1019.0	+1	WN	4	bc+	58	92	7	2500	St	7	-	7	1019.3	+1	W	1	c	58	85	8	1500	St	9	-	9	0
Liverpool (Bidston) ...	282	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.6	+1	WN	5	c	57	85	9	1500	Stu	9	-	9	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.5	+1	WN	4	c	59	75	7	2500	Cu	6	Cu	8	•
Harrogate	479	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.9	0	SW	4	bc-	56	85	8	4000	Nb	2	Stu	7	•
Spurn Head	39	1016.0	+1	WSW	3	c	62	92	6	4000	Nb	9	-	9	1014.6	-1	W	6	c	62	85	6	4000	CuNb	8	-	8	3
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.1	+1	WNW	3	c	61	75	8	2500	Stu	8	-	8	1
Cranwell	236	1018.2	-1	WS	3	cdodo	60	92	5	1500	Nb	9	-	9	1017.3	0	WN	4	bc	61	75	7	2500	Stu	5	Stu	7	•
Gorleston	14	1017.7	-2	W	1	c	61	92	6	2500	St	4	Ast	10	1015.8	-1	WN	3	c	63	85	6	2500	Stu	10	-	10	0
Valentia (Cahlsciveen)P	30	1024.0	0	SW	3	so+	60	97	3	-	St	10	-	10	1023.8	+1	W	2	sfo	60	97	3	4150	St	10	-	10	0
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.7	0	SW	2	c	61	92	8	2500	Stu	9	-	9	0
Pembroke (St. Ann's H.)	150	1020.9	-1	WSW	3	c	60	97	8	1500	Stu	10	-	10	1021.0	+1	NNW	2	bc-	60	85	8	2500	Cu	1	Ast	3	0
Ross-on-Wye	226	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.0	0	WNW	4	bc	64	75	8	4000	Cu	2	Cicu	3	•
Lenfield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.8	0	NNW	4	bc-	64	65	9	4000	Cu	2	Stu	3	•
Winchester (Worthy Dal.)	273	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.4	-1	WSW	2	odo	63	92	8	1500	St	10	-	10	•
S. Farnborough ...	200	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.8	0	WNW	3	c/d	64	92	7	800	St	10	-	10	•
London (Kew Obsy.) ...	18	•	•	•	•	•	67	•	•	•	•	•	•	•	1018.4	0	W	3	c+	66	85	6	2500	St	7	Cicu	9	•
Croydon	344	1019.3	0	WNW	3	c	64	75	7	4000	Stu	10	-	10	1018.3	-1	WN	3	c/pr	65	85	6	800	St	7	Stu	8	•
Shoeburyness	21	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.0	0	NW	3	c	66	92	7	5700	Cu	4	Stu	9	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.4	0	W	3	bc	65	75	7	5700	Stu	5	Stu	7	1
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.9	-2	WNW	4	c	65	85	7	2500	Stu	8	Ast	9	3
Lympne	350	1019.1	0	WNW	3	bc-	62	85	7	4000	Stu	5	-	5	1018.1	0	NNW	3	c+	66	75	7	5700	Stu	3	Stu	8	•
Scilly (St. Mary's) ...	163	1024.3	0	NNW	4	c	61	92	7	4000	Stu	10	-	10	1024.1	+1	NNW	4	o	62	97	6	2500	St	10	-	10	3
Falmouth (Pendennis)	200	1023.1	0	NNW	3	bc	61	97	8	4000	Stu	6	-	6	1023.5	+1	NW	3	c-	63	92	8	4000	Stu	6	Stu	8	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1022.9	+1	NNW	4	cdo	62	97	7	1500	Nb	9	-	9	0
Portland Bill	32	1020.9	0	W	3	0	62	85	8	2500	St	10	-	10	1019.9	0	WN	3	bc-	63	85	8	1500	St	3	-	3	0
Southampton (Calshot)	10	1020.7	-1	WN	3	c	63	85	8	4000	Stu	6	Ast	10	1019.4	-1	WN	4	c	65	85	7	1500	St	8	Ast	9	0
Dungeness	20	1019.0	0	W	1	bc-	64	92	7	-	-	0	Cicu	3	1018.5	+1	NNW	3	c+	67	75	7	-	-	0	Cicu	8	0
Guernsey (Fort George) P	295	1023.0	0	W	2	c+	62	92	8	4000	Stu	10	-	10	1022.5	0	WNW	4	c	63	97	6	800	St	7	Stu	9	-

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23rd July 1928

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h.-23rd to 9h. 23rd	Temperature. Max. 9h.-17h. 23rd	Rainfall. Night 17h.-9h. 22nd-23rd	Rainfall. Day 9h.-17h. 23rd	Sunshine. Sunrise to 17h. 23rd	Sunshine. Sunrise to Sunset 23rd
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	c	c	54	67	-	-	1.4	0.5
Douglas (I. o. M.) ...	codo	codo	56	65	0.3	0.3	1.2	2.0
Llandudno ...	c	cpcd	59	67	-	0.1	2.2	1.7
Colwyn Bay ...	cbc	cbcr	60	70	-	0.5	2.5	0.9
Rhyl	bc	opcbc	59	66	-	0.2	0.8	3.5
Wallasey	cbc	bcr	59	70	-	0.5	4.2	0.1
Southport	coc	bcoro	57	66	-	1	1.8	1.7
Blackpool	co	cbo	58	66	0.2	0.5	0.2	2.3
Ilkley	bbc	c	58	68	-	-	2.8	1.8
Cleethorpes	cb	co	57	70	0.1	-	2.3	5.3
Skegness	coc	co	63	68	-	-	1.5	5.8
Aberystwyth ...	Apbc	bcc	53	67	1	-	2.1	1.6
Bath	c	bcc	60	74	Trace	-	5.5	8.5
Cheltenham ...	c	c	60	77	-	-	2.6	6.8
Leamington Spa ...	cb	cbc	54	74	-	-	1.9	4.9
Lowestoft	c	c	56	69	Trace	-	5.0	9.7
Harwich & Dovercourt	bc	bc	59	74	-	-	7.3	9.4
Walton	bcc	bc	59	77	-	-	6.1	9.4
Southend	c	c	62	80	-	-	7.4	11.0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	cbc	bcc	61	64	-	-	5.2	6.2
Bude	cbc	bcc	61	68	-	-	4.3	7.4
Penzance	b	bc	?	72	-	-	6.4	9.0
Paignton	b	bcc	63	79	-	-	6.1	10.9
Torquay	bcbbc	bc	64	78	-	-	6.6	11.5
Jersey	bc	bc	63	73	-	-	7.7	13.5
Weymouth	b	bcb	58	75	-	-	8.7	11.4
Bournemouth ...	b	c	61	78	-	-	7.5	10.8
Ventnor ...	b	bbc	60	75	-	-	10.5	12.5
Portsmouth (S'thsea)	bbc	b	62	78	-	-	10.5	12.7
Bognor	bbc	bcc	58	76	-	-	10.2	12.7
Littlehampton ...	bc	bcc	58	76	-	-	8.8	12.7
Worthing	bbc	c	60	76	-	-	7.8	12.2
Brighton	bc	bcc	62	74	-	-	7.2	13.1
Eastbourne	bbc	bcc	63	75	-	-	9.0	12.9
Hastings	bcbbc	bbcc	61	76	-	-	3.8	12.8
Folkestone	bcz	bccz	61	75	-	-	6.6	12.2
Dover	bbc	bcc	60	73	-	-	7.9	12.4
Tunbridge Wells ...	bbc	cbc	58	79	-	-	6.7	12.5
Ramsgate	bz	bbcz	62	70	-	-	11.3	11.8
Margate	bbc	bc	64	73	-	-	10.2	11.5
Deal	b	bbcc	58	73	-	-	9.5	12.2

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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. ‡‡ 17h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 24352 Wednesday 25th July 1928.

Observations at 13h. G.M.T. 24th

STATIONS. (For heights see p.3).	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	1009.5	-1	SW	1	c|p	53	92	7	1500	CuNb	3	ASt	10	•
Stornoway	1011.9	0	NW	2	c	60	85	7	4000	CuNb	10	-	10	•
Wick	1011.6	0	NW	2	c	60	75	8	2500	StCu	8	-	8	•
Tiree	1016.1	0	W'N	3	od.	57	97	8	800	Nb	10	-	10	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1012.1	0	NW'N	3	bc	68	55	8	2500	Cu	7	-	7	0
Malin Head	1016.3	+2	W'N	4	fo-	59	97	2	800	St	10	-	10	•
Renfrew 1014.6	1014.0	0	WSW	3	c	61	75	8	1500	StCu	9	-	9	0
Edinburgh (Inchkeith)	1013.9	+2	WSW	4	bc	60	75	8	2500	St	2	ACu	6	•
Leuchars	1012.1	-1	W	3	bcv	69	55	9	4000	StCu	4	ACu	5	0
Eskdalemuir	1014.7	-1	SW'S	4	odd	57	92	6	800	St	10	-	10	1
Tynemouth	1014.3	+1	W	5	bc|r°	63	65	7	1500	Cu	6	-	6	•
Blacksod Point ...	1018.6	+1	W	3	c	61	92	6	•	-	0	ASt	10	•
Donaghadee	1016.7	-2	W	1	cr.	63	92	6	800	St	8	-	8	•
Birr Castle	1019.6	•	W	3	c	67	85	7	1500	StCu	9	-	9	•
Holyhead	1017.6	-1	SW'S	4	c-	62	85	7	1500	St	9	-	9	1
Liverpool (Bidston) ...	1017.4	-1	W'N	1	c|r	59	97	6	2500	StCu	9	ASt	10	•
Chester (Sealand) ...	1017.6	-2	WNW	1	cdd	62	92	5	1500	StCu	10	-	10	5
Harrogate	1015.8	0	W	3	c	61	75	8	4000	Nb	8	ACu	9	•
Spurn Head	1014.6	0	WNW	5	c	64	85	6	4000	Nb	5	ASt	9	•
Birmingham (Edgbaston)	1017.5	-1	W	4	c	73	55	8	4000	StCu	8	-	8	0
Cranwell	1016.7	-1	WNW	5	c	69	66	8	2500	StCu	9	-	9	0
Gorleston	1015.4	0	WNW	3	bc+	73	46	6	4000	Cu	4	ACu	6	•
Valentia (Cahirciveen)	1023.5	-1	W'S	3	o	62	97	6	<150	St	10	-	10	5
Roches Point	1021.4	-2	SW	2	c	71	85	7	1500	CuNb	8	-	8	•
Pembroke (St. Ann's H.)	1020.4	-1	SSW	4	bc+	62	92	8	2500	Cu	4	ACu	6	•
Ross-on-Wye	1018.0	-1	WNW	4	bcv-	78	55	9	4000	StCu	3	CiCu	4	0
Leafield	1018.2	-1	WNW	4	bcv	76	55	9	5700	Cu	5	Ci	7	0
Winchester (Worthy Dn.)	1018.2	-2	W	4	bc	81	45	8	4000	Cu	1	Ci	4	0
S. Farnborough ...	1018.4	0	W'N	4	bc	82	35	8	-	-	0	Ci	5	0
London (Kew Obsy.) ...	1017.9	-1	WNW	3	bc+	77	35	8	-	-	0	Ci	7	0
Croydon	1018.1	-1	WNW	4	bc+	79	35	8	-	-	0	Ci	6	0
Shoeburyness	1017.0	0	WNW	2	bc	77	65	7	5700	StCu	5	CiCu	7	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1016.1	-1	WNW	4	bc.	77	45	8	2500	Cu	1	Ci	4	0
Lympne	1017.3	-2	SW	4	bc-	75	55	8	2500	Cu	4	Ci	6	0
Scilly (St. Mary's) ...	1023.9	0	W	4	fo+	67	85	3	2500	St	10	-	10	•
Falmouth (Pendennis)	1023.1	0	WNW	2	bc-	71	75	8	4000	StCu	4	-	4	•
Plymouth (Cattewater)	1022.2	0	NW	4	c+	71	75	8	4000	StCu	8	ACu	9	0
Portland Bill	1019.8	0	W	4	b	68	75	8	2500	Cu	1	Ci	2	•
Southampton (Calshot)	1018.7	-1	NW'N	4	b-	80	45	8	-	-	0	Ci	2	0
Dungeness	1018.2	-2	SW	3	bc-	67	85	7	-	-	0	CiCu	6	•
Guernsey (Fort George)	1022.4	0	WNW	4	b-	65	85	8	2500	Cu	1	ACu	2	•

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	Sun. 0-9
Lerwick	1008.3	-2	-	0	or.	52	97	7	1500	Nb	10	-	10	•
Stornoway	1011.7	0	W	2	c	57	85	7	4000	CuNb	10	-	10	1
Wick	1010.6	0	NW	2	c|pr.	56	92	8	2500	StCu	8	-	8	0
Tiree	1016.1	0	WNW	4	c	57	92	8	800	St	9	-	9	2
Nairn	1011.7	•	W	3	bc	62	75	8	2500	Cu	5	ACu	6	•
Aberdeen	1011.7	-1	SSE	2	c|pr.	60	85	7	2500	Cu	9	-	9	0
Malin Head	1016.7	0	W	4	c	57	92	7	2500	St	2	ACu	8	1
Renfrew	1014.4	0	W	2	cv-	63	75	9	2500	StCu	8	-	8	•
Edinburgh (Inchkeith)	1012.2	-2	WSW	4	b	61	76	8	-	-	0	ACu	2	2
Leuchars	1011.6	-1	W	4	bcv	67	65	9	4000	Cu	3	ACu	3	•
Eskdalemuir	1014.3	-1	W'S	3	cd.	59	85	6	2500	Cu	7	ACu	8	•
Tynemouth	1013.9	0	W	3	bc	65	75	7	1500	Cu	4	ACu	6	0
Blacksod Point ...	1018.2	0	W	2	od	60	92	5	•	Nb	10	-	10	1
Donaghadee	1016.9	0	W	1	bc-	61	85	8	4000	StCu	3	ACu	5	1
Birr Castle	1018.6	•	W	3	cd.	63	92	7	800	St	9	-	9	•
Holyhead	1017.5	0	SW'W	3	c+	65	85	8	4000	StCu	6	ACu	8	1
Liverpool (Bidston) ...	1016.8	0	W	4	c|d	65	85	8	1500	CuNb	4	ASt	8	•
Chester (Sealand) ...	1016.6	-1	WNW	5	c	68	85	8	2500	StCu	8	Ci	9	•
Harrogate	1015.0	0	SW	4	c	63	85	8	2500	Nb	6	ACu	8	•
Spurn Head	1014.4	0	W'N	5	c	66	85	7	4000	Cu	9	-	9	3
Birmingham (Edgbaston)	1017.5	-1	WNW	3	c|pr.	68	85	8	2500	Nb	9	-	9	•
Cranwell	1016.3	0	W	3	c	68	75	7	2500	StCu	10	-	10	•
Gorleston	1015.2	0	NW	3	c	72	55	6	4000	StCu	7	ASt	10	0
Valentia (Cahirciveen)	1022.7	-2	W'S	3	fffo	62	97	3	<150	St	10	-	10	1
Roches Point	1021.2	0	NW	2	c	71	85	8	1500	CuNb	8	-	8	0
Pembroke (St. Ann's H.)	1019.8	-1	WNW	4	c+	61	97	6	1500	Cu	6	CiSt	8	1
Ross-on-Wye	1017.5	-1	W'N	4	c+	74	65	8	4000	StCu	7	Ci	8	•
Leafield	1017.4	-2	W'S	4	c+	73	75	8	4000	CuNb	9	-	9	•
Winchester (Worthy Dn.)	1018.3	0	W'N	5	bcv	76	65	9	4000	StCu	3	Ci	4	•
S. Farnborough ...	1017.6	0	W'N	4	bc+	77	55	8	5700	StCu	7	-	7	•
London (Kew Obsy.) ...	1017.0	0	WNW	3	c-	78	45	8	4000	Cu	7	ACu	8	•
Croydon	1017.0	0	NW	4	c	78	55	8	4000	StCu	9	-	9	•
Shoeburyness	1016.1	-1	WNW	3	c	78	75	7	5700	StCu	7	Ci	8	•
Clacton-on-Sea ...	1016.8	-1	WNW	4	bc	78	55	7	5700	StCu	6	ACu	7	2
Felixstowe	1015.6	0	N'W	3	c	75	55	8	4000	StCu	9	-	9	3
Lympne	1016.6	-1	WSW	2	c	71	75	7	5700	StCu	8	-	8	•
Scilly (St. Mary's) ...	1023.6	0	W'N	5	fo+	63	97	2	800	St	10	-	10	2
Falmouth (Pendennis)	1022.7	-1	WNW	4	bc+	66	92	7	4000	StCu	4	ASt	6	1
Plymouth (Cattewater)	1021.8	+1	NW	4	bc	69	85	8	4000	Cu	6	Ci	7	0
Portland Bill	1019.7	-1	WSW	3	c+	68	85	8	2500	Cu	2	Ci	8	0
Southampton (Calshot)	1018.2	-1	NW'W	5	bc	75	55	8	4000	Cu	3	ACu	4	0
Dungeness	1016.6	-3	WSW	4	c+	66	85	7	2500	Cu	8	-	8	3
Guernsey (Fort George)	1022.1	-1	W'N	5	bc+	67	85	8	2500	Cu	1	Ci	3	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 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.)	Visibility 9h.
Kew	18	cbcy	bccy	c	82	66	61	-	-	8.1	•	•	8
Croydon	244	cbcy	bccy	cybcm	83	64	63	-	-	7.8			7
Greenwich (Royal Obsy.)	149	bccy	cbccy	cbcm	86	65	59	-	-	7.9	43	72	6
City (Bunhill Row)	50	•	•	•	•	•	•	•	•	8.9	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	84	66	63	-	-	8.3	43	72	•
Regent's Pk. (Botanic Gdns.)	188	•	•	•	•	•	•	•	•	8.5	•	•	•
Camden Square	110	cbc	cbcc	•	86	67	-	-	-	•	•	72	•
Kensington Palace	85	bc	bc	•	83	66	60	-	-	•	(At 18h.) 50	67	•
Hampstead Observatory	450	•	•	•	81	62	55	Tr.	Tr.	9.0	•	75	•

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 7h. G.M.T. 25th

	Max.	Time	Min.	Time
South Kensington	0.3	7h 25m	<0.3	19h 24m
Kew Observatory	0.1	6h 25m	<0.1	15h 24m

POLE STAR RECORD at Greenwich Obsy.

Exposure from 24th ... 21h. 15m. to 25th ... 03h. 00m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.45	3.15	57
δ Ursae Minoris	5.45	3.11	55

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.

25th to 26th July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.3 / 4.4	11.59 / 11.59	19.55 / 19.53
Greenwich	4.15 / 4.16	12.6 / 12.6	19.57 / 19.55
Wick	3.56 / 3.52	12.19 / 12.19	20.46 / 20.44
Valentia	4.54 / 4.55	12.47 / 12.47	20.40 / 20.38

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—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.
ra sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
z 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. 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 } 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.

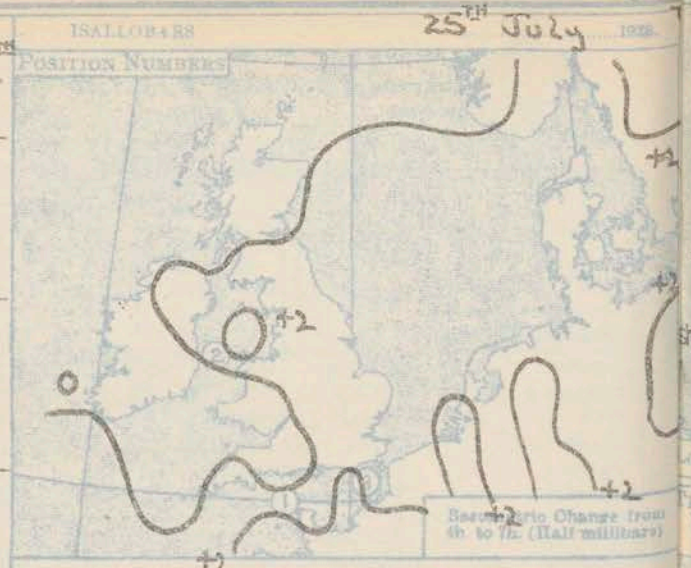
§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	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.	6½ "
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. 24th	Weather. 18h.-18h. 24th	Weather. 18h. 24th to 1h. 25th	Weather. 1h.-7h. 25th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm	Day. began.	Night. 18h.-7h. mm.	Night. began.	Sun 24th Hours.
Lerwick	cp.p.	cor.r	cupr.	cid.	56	51	.	Tr.	12.30	1	<21.00	0.0
Stornoway	r-d	c	c	r	60	53	.	Tr.	<8.00	0.3	2.30	0.5
Wick	r. pr	cpr.	cpr.c	c	60	51	.	1	<8.00	1	<21.00	.
Tiree	ornd	c	c	c	58	53	51	0.2	<8.00	–	–	0.0
Nairn	bc	bc	bc	bc	68	53	.	–	–	–	–	5.9
Aberdeen	odmcbey	bccpr	c	cbc	68	52	45	Tr.	<8.00	–	–	3.9
Malin Head	odd ffo	c	c	c	60	55	.	2	<8.00	Tr.	24.00	0.7
Renfrew	cr.c	cv	c	c	65	54	51	Tr.	<8.00	–	–	1.5
Edinburgh (Inchkeith)	rcbc	bcb	bbc	bbc	63	53	49	Tr.	<8.00	–	–	7.1
Leuchars	iprcbc	bcvy	bccbc	bcwbc	71	46	41	Tr.	<8.00	–	–	8.1
Eskdalemuir	ordmcodmcjpcidm	c	cbc	bc	60	48	41	3	<8.00	–	–	0.0
Tynemouth	cir.q	bcq	bc	bc	66	53	47	Tr.	9.00	–	–	.
Blacksod Point ...	d.o	odod	fdo	p.c	61	55	.	0.4	.	1	.	.
Donaghadee	ir.m	ir.bc	bc	id.bc	66	54	.	1	9.00	Tr.	3.30	.
Birr Castle	cpr.	cid.		cid.	67	59	58	0.1	11.00	0.4	<21.00	0.7
Holyhead	id.c	id.cbc	cid.	d.c	68	59	59	Tr.	9.00	0.1	22.00	1.5
Liverpool (Bidston) ...	codr.	dc	c	ordf	65	58	58	0.6	9.00	5	1.30	0.1
Chester (Sealand) ...	cpr.ddo	cdqq	cd.	cddmq	68	59	59	1	9.00	1	<21.00	0.4
Harrogate	bcc	bcc	cbc	bbc	67	55	51	–	–	–	–	4.2
Spurn Head	c	c	cbc	bc	67	60	.	–	–	–	–	4.7
Birmingham (Edgbaston)	cbc	bccpr.	cbc	bcc	75	63	62	Tr.	17.30	–	–	6.5
Cranwell	cbcc	cp.	cbc	bcc	71	59	55	Tr.	14.30	–	–	3.6
Gorleston	oddbcy	bcyc	cpr.bc	bcc	75	59	56	Tr.	–	Tr.	<21.00	4.3
Valentia (Cahirciveen)	ofmo	ofm	omd	od.m	62	60	60	Tr.	<8.00	0.5	<21.00	0.0
Roches Point	ctmc	c	cgbc	bcc	75	60	.	–	–	–	–	.
Pembroke (St. Ann's H.)	bc	bcbff	ciF	coffe	64	58	.	–	–	Tr.	2.30	5.8
Ross-on-Wye	bybcvy	beycbc	cbc	cbcc	79	65	62	–	–	–	–	10.0
Leafield	bbc	bcc	bcbc	c	79	63	61	–	–	Tr.	<21.00	9.8
Winchester (Worthy Dn)	odcbey	bcy	bcvc	c	83	63	60	Tr.	<8.00	–	–	9.9
S. Farnborough ...	cby	bcy	ycbc	bcwc	85	62	52	–	–	–	–	8.7
London (Kew Obsy.) ...	cbey	bccy	c	c	82	66	61	–	–	–	–	8.1
Croydon	cbey	bccy	cybc	bcmbc	83	64	63	–	–	–	–	7.8
Shoeburyness	cbc	bcc	cr.	cb	82	62	58	–	–	Tr.	<21.00	8.4
Clacton-on-Sea ...	bcy	bcy	c	c	80	64	62	–	–	–	–	7.5
Felixstowe	bcy	cy	cycr.	cr.c	79	64	63	–	–	Tr.	<21.00	6.8
Lympne	cbey	bcc	cbcc	bcbc	80	62	59	–	–	–	–	8.2
Scilly (St. Mary's) ...	omf	off	offd.	cd.r	68	59	.	–	–	0.1	24.00	0.0
Falmouth (Pendennis)	cbc	bcq	bcq	bcrq	76	61	.	–	–	Tr.	24.00	7.7
Plymouth (Cattewater)	cb	bye	bcco	oc	76	62	61	–	–	–	–	10.6
Portland Bill	bcb	bbcc	cbc	bcc	72	62	.	–	–	–	–	.
Southampton (Calshot)	cdbey	bbey	bcychco	bwbc	81	63	59	Tr.	<8.00	Tr.	–	9.8
Dungeness	cbc	bbcc	cbc	bcbcc	71	63	.	–	–	–	–	.
Guernsey	cbc	bq.	ofofc	ofFw	70	60	.	–	–	Tr.	–	8.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Pendulum.
2	24th 10h	Hibernia	SSW	2	c	68	56	8
1	12th	St. Julien	WN	4	bc/f	63	60	6
3	25th 2h	Dieppe	WNW	3	bc	64	61	8

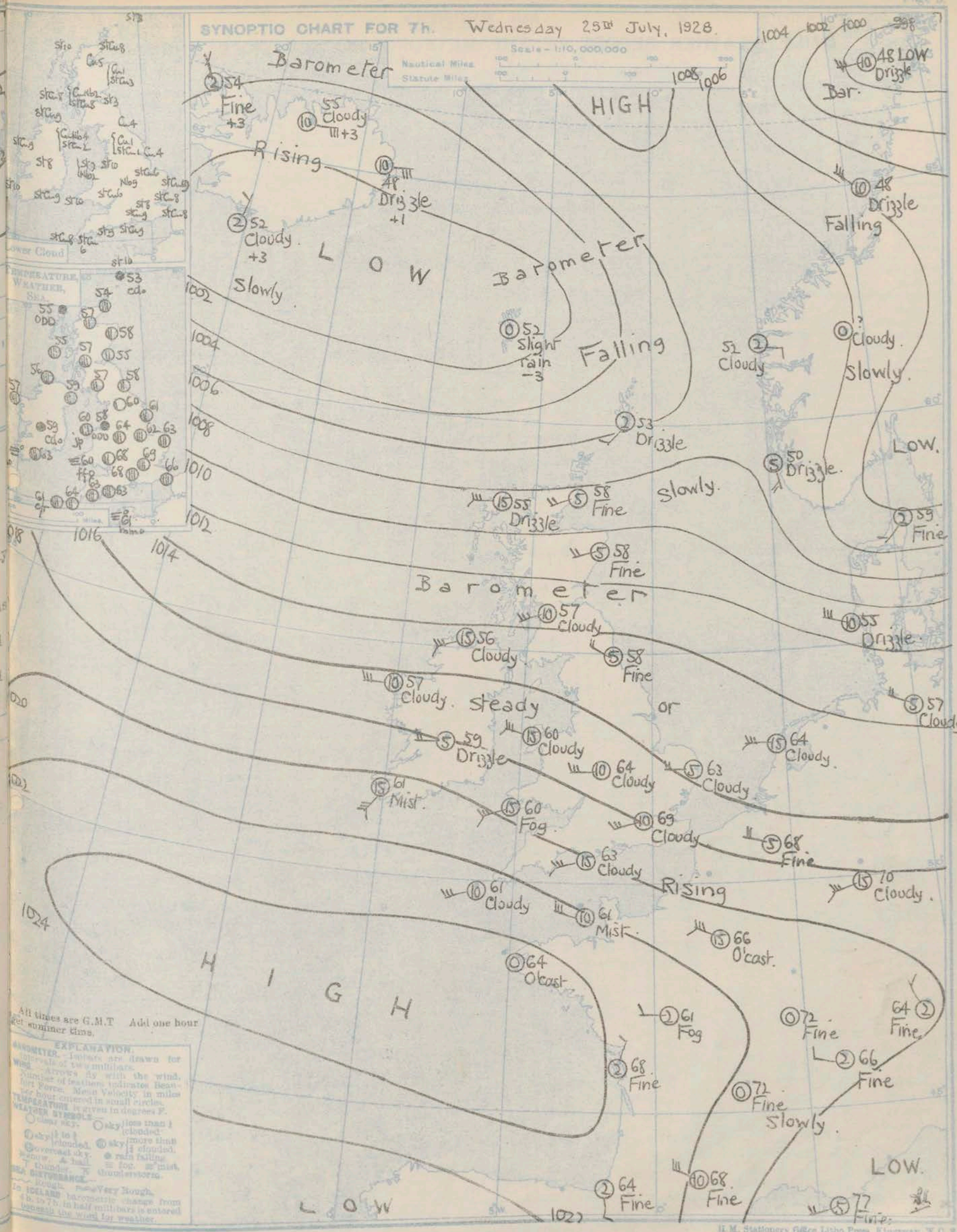
General Inference.

A depression centred south-east of Iceland is moving east southeastwards whilst an anticyclone remains off our southwest coasts. Weather over the British Isles will be generally cloudy and occasional drizzle or light rain will occur in western and northern districts. Conditions will continue to be very warm in Southern and Southeastern England but temperature will be moderate elsewhere. Fog is to be expected off the southwest coasts.

Wednesday, 25th July, 1928.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate westerly winds; cloudy with brighter intervals; very warm.	Similar.
5. S.W. England 6. South Wales	Moderate westerly winds; cloudy with brighter intervals; very warm; coastal fog at night and in early morning.	
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	Moderate westerly winds; cloudy with brighter intervals; occasional drizzle or light rain; moderate temperature.	

‡ For code see page 4. † 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...Wednesday, 25th July....1928. No. 207

Stations.	Height above M.S.L. in feet.	Observations at 1h. G.M.T. 25th: 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. 25th: 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	1006.3	0	-	0	c/p	51	97	7	1500	CuNb	5	ASt	9	1005.9	-1	SW	1	cdo	53	92	7	450	St	3	ASt	10	•
Stornowsy	30	1010.6	-1	SW	3	c	•	•	6	•	•	•	•	10	1008.3	-1	W	4	oDD	55	97	5	1500	St	10	-	10	2
Wick	81	1010.2	0	NW	2	c	53	97	8	1500	Stu	8	-	8	1009.0	-1	WSW	2	c	54	85	8	1500	Stu	8	CiSt	10	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.9	0	W	4	c	55	92	8	1500	Stu	8	-	8	2
Nairn	32	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.4	•	WNW	1	bc	57	75	8	2500	Cu	5	Acu	6	•
Aberdeen	66	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.9	0	WSW	2	bc	58	75	8	2500	Stu	4	-	4	0
Malin Head	51	1016.2	+1	WSW	4	cdo	56	97	6	800	Stu	9	-	9	1015.2	0	WSW	4	c	56	85	7	4000	Stu	9	-	9	1
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.1	0	WSW	3	c	57	85	7	2500	Stu	10	-	10	•
Edinburgh (Inchkeith)	190	1012.8	+2	WSW	2	b	54	75	8	1500	St	1	Acu	2	1012.6	0	WSW	4	bc	55	85	8	1500	St	3	Acu	4	2
Leuchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.3	-1	WSW	3	bc	58	75	8	4000	Stu	2	Acu	3	•
Eskdalemuir	734	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.5	0	W	3	bc	57	75	8	2500	Cu	3	Acu	5	•
Tynemouth	37	1013.8	0	W	3	bc	57	85	7	1500	Cu	4	-	4	1014.7	+1	WNW	2	bc	58	75	7	1500	Cu	4	Acu	5	0
Blacksod Point ...	18	1017.2	0	W	4	c	58	92	5	•	-	0	ASt	10	1017.6	0	W	3	c	57	85	8	•	Stu	9	-	9	3
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.7	0	-	0	bc+	59	92	7	2500	CuNb	6	-	6	0
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.8	•	W	2	cdo	59	97	6	800	St	8	-	8	•
Holyhead	26	1017.1	0	W	4	oddo	60	97	6	800	Nb	10	-	10	1016.8	+2	WN	4	c/p	60	92	7	800	St	9	-	9	1
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.6	+1	WNW	1	oDD	58	97	2	450	St	10	-	10	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.3	0	WN	3	cro	62	92	5	1500	Stu	10	-	10	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.9	+1	WSW	3	b	60	75	7	2500	Cu	2	-	2	1
Spurn Head	29	1014.2	0	W	5	bc-	61	92	6	5700	Stu	5	-	5	1015.1	+1	WNW	5	bc	61	85	7	4000	Cu	4	CiCu	7	1
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.6	+1	W	3	c	64	85	8	2500	Nb	9	-	9	•
Cranwell	236	1016.6	0	W	2	bc-	59	92	6	4000	Stu	3	-	3	1016.5	0	W	1	c	62	85	7	2500	Stu	6	Acu	8	•
Gorleston	14	1015.3	0	NW	1	bc-	65	85	6	-	-	0	ASt	4	1015.8	+1	W	2	c	63	85	6	5700	Stu	9	-	9	0
Valentia (Cahirciveen)P	30	1020.8	0	SW	4	0	60	97	5	-	St	10	-	10	1020.5	0	SWW	4	mmo	61	97	4	<150	St	10	-	10	3
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1020.5	0	SW	2	c	63	85	8	1500	Stu	9	-	9	0
Pembroke (St. Ann's H.)	160	1019.8	-1	WSW	4	c	60	97	7	1500	Stu	10	-	10	1018.4	-1	WSW	4	Sfo	60	97	2	220	St	10	-	10	1
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.6	-1	W	3	bc	68	75	8	4000	Stu	6	CiCu	7	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.9	+1	W	2	c	66	85	8	1500	Stu	9	-	9	•
Winchester (Worthy Dn.)	272	•	•	•	-	•	•	•	•	•	•	•	•	•	1019.0	0	W	4	c	66	85	8	4000	Stu	9	-	9	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.3	0	W	4	c	68	75	7	2500	Stu	9	-	9	•
London (Kew Obsy.) ...	18	•	•	-	•	•	69	•	•	•	•	•	•	•	1018.0	+1	WS	3	c	69	75	8	1500	St	8	ASt	10	•
Croydon	244	1017.7	0	W	2	bc	67	85	7	2500	Stu	3	-	3	1017.9	+1	W	3	bc-	67	85	7	2500	Stu	7	-	7	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.3	0	WS	3	c	69	92	7	4000	Stu	9	-	9	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.0	0	W	3	c	65	92	7	5700	Stu	8	-	8	1
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.0	+1	W	2	cfo	66	85	6	1500	Stu	9	-	9	1
Lympne	350	1017.4	+1	WNW	3	bc-	68	75	8	2500	Stu	6	-	6	1017.8	+1	WNW	3	c-	66	85	7	2500	Stu	8	-	8	•
Scilly (St. Mary's) ...	163	1023.1	0	WNW	4	SSO	60	97	2	450	St	10	-	10	1022.8	0	WSW	3	c/r	61	92	7	4000	Stu	8	-	8	1
Falmouth (Pendennis)	200	1022.6	0	NW	4	bcfo	63	97	7	4000	Stu	5	-	5	1021.0	0	WNW	4	bc+	64	92	7	4000	Stu	6	-	6	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1021.5	+1	WNW	3	c	63	85	7	1500	St	9	-	9	0
Portland Bill	32	1019.8	0	WNW	3	bc	64	92	8	2500	Stu	4	-	4	1019.7	0	WSW	4	c+	63	92	8	2500	Stu	9	-	9	0
Southampton (Calshot)	10	1019.1	0	WN	3	b	65	85	8	4000	Stu	1	-	1	1019.2	0	W	4	bc+	67	85	8	2500	Cu	6	ASt	7	0
Dungeness	20	1018.0	0	WNW	2	bc-	68	85	8	4000	Stu	5	-	5	1018.6	+2	W	2	c+	66	85	8	4000	Stu	8	-	8	1
Guernsey (Fort George) P	206	1022.0	0	W	3	SSO	62	97	3	2500	Stu	10	-	10	1022.5	+3	WNW	3	mmo	61	97	4	<150	St	10	-	10	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24th July 1928

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 23rd to 9h. 24th	Temperature. Max. 9h. 23rd-17h. 24th	Rainfall.† Night 17h. 23rd-9h. 24th	Rainfall.† Day 9h.-17h. 24th	Sunshine. Sunrise to 17h. 24th	Sunshine. Sunrise to Sunset. 23rd
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F	°F	mm.	mm.	hr.	hr.
Berwick-on-Tweed	c	bc	57	66	-	-	2.3	1.4
Douglas (I. o. M.) ...	od	cbc	54	66	0.5	0.3	1.2	1.2
Llandudno ...	c	cdc	57	66	1	Trace	0.9	2.2
Colwyn Bay ...	coc	cbcc	57	70	4	-	0.7	2.5
Rhyl	bbc	bco	58	70	2	-	0.8	3.5
Wallasey	cdr	rc	57	65	2	1	0.0	4.2
Southport	ocp	iro	*57	63	5	0.6	0.0	1.8
Blackpool	co	orc	57	63	3	1	0.2	0.2
Ilkley	cbc	c	56	68	-	-	3.4	2.8
Cleethorpes... ...	cb	bc	61	70	-	-	6.4	2.3
Skegness	ocbc	bcc	60	72	-	-	5.8	1.5
Aberystwyth ...	prc	c	59	64	6	-	1.9	2.1
Bath	b	bbc	63	79	0.5	-	8.2	5.8
Cheltenham‡ ...	bcbv	bbcc	62	81	-	-	8.4	2.6
Leamington Spa ...	bc	c	62	79	-	-	6.9	1.9
Lowestoft	dcbc	bccd	60	77	Trace	Trace	4.2	5.0
Harwich & Dovercourt	bc	bcc	62	80	-	-	6.6	7.3
Maldon	obc	bcc	62	80	-	-	5.9	6.2
Southend	bcb	bbcc	63	83	-	-	8.4	7.5

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	b	bbc	61	70	0.3	-	7.9	5.2
Bude	bcc	cm	62	69	-	-	3.8	4.3
Penzance	c	cbcm	61	74	-	-	2.8	7.0
Paignton	bbc	bcy	64	83	-	-	9.6	6.6
Torquay	bv	bcb	64	82	-	-	9.7	7.3
Jersey	fc	bcf	60	68	-	-	4.7	9.3
Weymouth	cb	bbry	63	79	-	-	9.7	8.8
Bournemouth ...	ob	b	63	81	-	-	8.5	7.7
Ventnor ...	oc	b	60	78	-	-	7.8	10.5
Portsmouth (S'thsea)	b	b	64	83	-	-	8.2	10.5
Bognor	cbc	bcb	62	79	-	-	8.6	10.6
Littlehampton ...	cbc	bc	62	81	-	-	7.9	9.0
Worthing	cbc	bbc	62	76	-	-	8.0	7.8
Brighton	c	bc	63	74	-	-	7.5	7.3
Eastbourne‡	ob	b	62	72	-	-	7.8	9.5
Hastings‡	cocbc	bcb	61	73	-	-	7.6	9.1
Folkestone	coc	cbc	64	74	-	-	6.7	6.7
Dover	c	cbc	64	71	-	-	6.1	7.9
Tunbridge Wells ...	obc	bbc	61	84	-	-	7.6	6.7
Ramsgate	cbc	bc	65	81	-	-	7.5	11.3
Margate	bcebc	bc	65	79	-	-	7.1	10.6
Deal	bcb	bbcc	64	83	-	-	8.3	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.24353 Thursday 26th July 1928. Page 1.

Observations at 13h. G.M.T. 25th (first set of columns) — Observations at 18h. G.M.T. 25th (second set of columns)

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	1004.6	-1	SW	3	cjp	56	85	8	2500	CuNb	6	ACu	8	•	1002.4	-4	SW	3	or	53	~~75~~ 92	~~8~~ 7	2500	CuNb	10	-	10	•
Stornoway	1006.4	-2	W	5	cr	59	85	7	2500	CuNb	9	-	9	•	1004.9	-2	WSW	5	o|PR	55	92	7	2500	St	10	-	10	4
Wick	1007.0	-2	WSW	4	bc	63	65	8	1500	StCu	5	CiSt	7	•	1005.6	-2	WSW	3	c	58	75	8	1500	CuNb	6	CiSt	8	1
Tiree	1012.8	0	W	5	bc-	57	92	8	1500	CuNb	5	ACu	7	0	1011.9	-1	W	5	bc	58	85	8	1500	Cu	4	CiCu	5	3
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.0	*	W	4	bc+	62	75	8	2500	Cu	7	-	7	*
Aberdeen	1009.5	-1	WSW	3	bc	70	45	8	4000	Cu	6	ACu	6	0	1008.1	-1	SW	4	cjp	64	55	8	4000	Cu	8	-	8	0
Malin Head	1015.2	+1	W'S	5	c	58	92	8	4000	Cu	2	ACu	8	•	1015.0	0	W	6	bc|pc	56	97	7	4000	CuNb	6	ACu	7	4
Renfrew	1014.6	0	WSW	4	c	59	76	8	1500	StCu	9	-	9	0	1012.6	-3	W	6	c	58	85	8	1500	StCu	9	-	9	•
Edinburgh (Inchkeith)	1011.9	-1	WSW	4	bc	69	75	8	4000	Cu	4	-	4	•	1010.6	-1	W	5	c	58	76	8	4000	Cu	9	-	9	~~•~~ 2
Leuchars	1011.4	-1	W	6	bc	67	65	8	4000	StCu	5	-	5	0	1010.0	-3	WSW	6	c-	61	75	8	4000	StCu	8	-	8	•
Eskdalemuir	1014.3	+1	W'S	5	bc-	61	65	8	2500	Cu	7	-	7	!	1013.5	-3	W'S	4	c	59	75	8	2500	StCu	9	-	9	•
Tynemouth	1013.6	0	W	3	bc+	65	65	7	1500	CuNb	6	-	6	•	1012.7	-1	W	3	bc-	66	55	7	1600	Cu	5	-	5	0
Blacksod Point	1018.3	+1	W	4	c	59	75	8	*	StCu	10	-	10	•	1017.4	0	W	4	c	58	85	8	*	CuNb	8	-	8	3
Donaghadee	1017.0	0	WNW	2	~~bc~~ c-	61	75	8	2500	Cu	~~8~~ 7	-	~~8~~ 7	•	1016.7	-1	WNW	3	bc-	60	85	8	2500	Cu	4	-	4	2
Birr Castle	1018.3	*	W	3	c	63	75	7	2500	StCu	8	-	8	•	1017.9	*	W	3	bc-	63	75	8	2500	StCu	6	-	6	•
Holyhead	1017.7	+1	SW	2	bc-	65	85	8	1500	StCu	6	-	6	0	1016.9	-1	SSW	2	bc+	63	85	8	2500	StCu	3	-	3	1
Liverpool (Bidston)	1017.6	+1	WNW	3	cv	63	85	9	4000	StCu	9	-	9	•	1017.1	-1	W'N	2	cv	63	75	9	2500	StCu	2	CiCu	8	•
Chester (Sealand)	1016.8	0	NW'W	4	c-	68	75	8	1500	Cu	7	ACu	9	1	1017.0	0	NW	4	bc-	64	75	8	4000	Cu	3	-	3	•
Harrogate	1015.5	0	W	4	b	68	55	8	4000	Cu	2	-	2	•	1015.3	-1	SW	3	b	64	65	8	4000	Cu	1	-	1	•
Spurn Head	1015.5	0	SE	3	c+	61	85	7	4000	CuNb	8	-	8	•	1014.5	-1	WNW	5	bc-	67	75	7	4000	Cu	4	-	4	1
Birmingham (Edgbaston)	1017.2	0	WNW	3	bc	72	65	8	4000	StCu	7	-	7	0	1017.2	0	WNW	4	bc	68	65	8	4000	StCu	4	ACu	7	•
Cranwell	1016.4	0	WNW	5	c-	73	55	8	2500	StCu	8	-	8	0	1016.1	0	WNW	4	bc-	70	65	8	4000	Cu	4	-	4	•
Gorleston	1016.6	+1	ENE	1	c	65	85	6	5700	StCu	9	-	9	•	1016.6	-1	SE'E	4	bc-	62	85	6	4000	Cu	4	-	4	0
Valentia (Cahirciveen)	1020.8	0	WSW	3	od•	63	97	5	<150	St	10	-	10	6	1020.1	-1	WSW	2	c	62	97	7	800	St	10	-	10	0
Roches Point	1019.8	0	NW	3	c	69	75	8	2500	CuNb	8	-	8	•	1019.4	-1	NW	2	c	66	85	8	1500	CuNb	9	-	9	0
Pembroke (St. Ann's H.)	1019.4	0	W	4	c	61	97	6	800	StCu	10	-	10	•	1018.7	-1	W	4	bc-	62	92	7	800	St	5	ACu	7	1
Ross-on-Wye	1017.2	0	W	4	bc-	73	65	8	4000	Cu	7	-	7	0	1017.4	-1	W'S	3	bc	71	75	8	4000	Cu	6	-	6	•
Leafield	1017.9	0	WSW	4	c	71	75	8	4000	StCu	9	-	9	0	1017.5	0	W'S	4	c	70	75	8	4000	CuNb	7	ACu	8	•
Winchester (Worthy Dn.)	1018.6	0	W	4	c	74	65	8	2500	StCu	9	-	9	0	1018.8	0	W'S	4	cv	70	65	9	4000	StCu	9	-	9	•
S. Farnborough	1018.0	0	W	4	c	76	55	8	2500	StCu	8	-	8	0	1018.0	0	W	4	bc-	74	65	8	2600	StCu	4	-	4	•
London (Kew Obsy.)	1017.8	-1	W	4	bc	76	55	8	2600	Cu	7	-	7	0	1017.6	0	W'N	3	bc-	77	55	8	2500	Cu	4	-	4	•
Croydon	1017.6	-1	W	4	c	75	65	8	4000	StCu	9	-	9	0	1017.4	0	W	4	bc-	74	66	8	4000	Cu	5	-	5	•
Shoeburyness	1017.5	0	W	1	c	73	85	7	4000	StCu	9	-	9	•	1016.5	-1	W	4	bc-	75	75	8	5700	CuNb	6	-	6	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	•	1016.1	-2	W	4	bc	75	55	7	5700	Cu	7	-	7	2
Felixstowe	1017.1	0	SSW	1	c-	69	85	7	1500	StCu	9	-	9	!	1015.7	-2	WNW	3	bc	75	65	8	2500	CuNb	6	-	6	0
Lympne	1018.2	0	SSW	3	c|pr0	70	85	8	2500	St	9	-	9	0	1017.4	0	SW	3	bc-	71	75	8	2500	Cu	3	ACu	7	•
Scilly (St. Mary's)	1022.3	0	W'S	4	c	65	85	8	4000	StCu	8	-	8	•	1022.8	-2	W'S	3	c	64	85	7	4000	StCu	8	-	8	1
Falmouth (Pendennis)	1022.5	+1	WNW	3	c	69	75	8	4000	StCu	10	-	10	•	1022.2	-1	NW'W	3	c	67	85	8	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1021.6	0	WNW	4	c	68	75	8	2500	StCu	10	-	10	0	1021.1	-1	WNW	4	c	65	85	8	1500	Nb	10	-	10	0
Portland Bill	1019.9	0	WSW	4	c	65	85	8	2500	StCu	9	-	9	•	1020.1	-1	WSW	4	c	64	85	8	2500	StCu	9	-	9	3
Southampton (Calshot)	1019.1	0	SW	4	c+	77	65	8	2600	StCu	8	-	8	0	1018.8	-1	WNW	4	c	73	65	8	4000	StCu	8	-	8	0
Dungeness	1018.3	-1	SW	4	c+	66	85	8	4000	Cu	8	-	8	•	1017.9	-2	WSW	5	bc-	66	92	7	2500	Cu	2	ACu	6	2
Guernsey (Fort George)	1022.7	0	W'N	3	c-	66	85	8	1500	StCu	9	-	9	•	1022.6	-1	W	3	c	64	92	8	2500	StCu	9	-	9	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 (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 18h. G.M.T. % (Yesterday)	Humidity 8h. G.M.T. % (To-day)	Visibility 8h
Kew	18	cbcy	cbcy	bbc	78	62	57	—	—	7.8	*	*	8
Croydon	244	bcc	cbcy	bc|bbc	78	61	58	—	—	6.7	*	*	7
Greenwich (Royal Obsy.)	149	c	cy	cbc|nc	83	61	54	-	-	4.1	51	69	6
City (Bunhill Row)	60	*	*	*	*	*	*	*	*	5.1	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	78	60	60	-	-	6.1	54	69	*
Regent's Pk. (Botanic Gdns.)	188	*	*	*	*	*	*	*	*	5.6	*	*	*
Camden Square	110	c	c	*	81	62	-	-	-	*	*	68	*
Kensington Palace	80	bcbc	cbc	*	79	61	51	-	-	*	(At 18h) 57	71	*
Hampstead Observatory	450	*	*	*	78	58	52	-	-	7.7	*	70	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 26th

South Kensington Max.	Time.	Min.	Time.
<0.3	throughout period.		

Kew Observatory Max.	Time.	Min.	Time.
0.1	11h 25th	<0.1	15h 25th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 25th 21h. 15m. to 26th 3h. 00m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5 45	4 12	73
δ Ursae Minoris	5 45	4 01	70

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 July, 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4 4 4 6	11 59 11 59	19 53 19 52
Greenwich	4 16 4 18	12 6 12 6	19 55 19 54
Wick	3 52 3 54	12 19 12 19	20 44 20 42
Valentia	4 55 4 57	12 47 12 47	20 38 20 37

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.
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 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.
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 20 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.

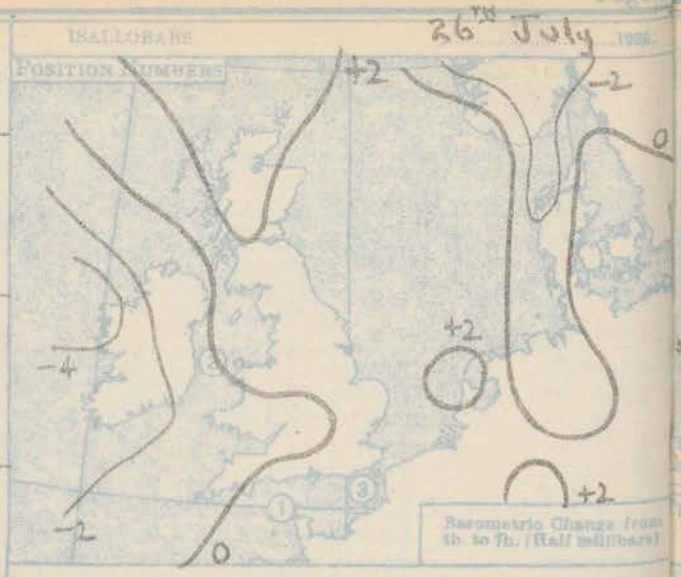
§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

	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. 25th	18h.-18h. 26th	18h.25th. to 18h.24th	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	oimd.c	coimdr	or.c	or.rc	57	50	.	2	<8.00	5	<21.00	0.3
Stornoway	r-d	p	b	r	60	52	.	0.6	<8.00	X.07 24	00	3.8
Wick	c	c.rc	c	c.rrc	63	52	.	1	14.30	2	3.30	.
Tiree	pr bc	prc	c	prc	60	52	50	0.4	<8.00	1	<21.00	3.5
Nairn	bc	bcq	bcq	bcc	65	53	.	–	–	–	–	5.0
Aberdeen	bcy	bcy	c	c	72	56	53	–	–	–	–	7.7
Malin Head	c	c.bc.pr.	bc.pr.bc	bc.c.ir	60	53	.	0.6	13.30	1	<21.00	2.3
Renfrew	ore.d.c	c.bc.q.cp	cq.b.bc	c	62	54	51	1	<8.00	Tr.	<21.00	2.4
Edinburgh (Inchkeith)	b-bc	c	bcqc	c	61	53	52	–	–	–	–	9.9
Leuchars	bc.bc	bcc	c	c	68	53	48	–	–	–	–	11.5
Dalkeith	bc.bc	bcc	c.pr.c	c.pr.	62	51	50	–	–	Tr.	<21.00	7.1
Tynemouth	bc	bc	bcq	bc	68	56	50	–	–	–	–	.
Blacksod Point	cq	p.c	cp	p.q	61	55	.	Tr.	.	5	.	.
Donaghadee	bcc	c.bc	bc	bcc	62	55	.	–	–	–	–	.
Birr Castle	cid.c	c.bc	bcc	cm.	66	50	42	Tr.	<8.00	–	–	4.4
Holyhead	cid.	bc.b	bcb	bcc	67	55	51	Tr.	<8.00	–	–	9.5
Liverpool (Bidston)	D.f.cv	cy	c.bc.wc	c	65	56	54	1	<8.00	–	–	5.5
Chester (Sealand)	c.dd.m.	c.bc	bcb	b.b.b.c.c	68	54	46	Tr.	9.00	–	–	8.4
Harrogate	bc.b	b	b	b.b.c.c	69	54	49	–	–	–	–	13.5
Spurn Head	bcc	c.bc	bc	bc	69	57	.	–	–	–	–	7.5
Birmingham (Edgbaston)	cr.bc	bc	bcb	b.b.c.	74	55	52	X.07	9.00	–	–	2.5
Cranwell	c	c.bc	b.c.c.b	b.m.w.b	75	56	53	–	–	–	–	7.2
Gorleston	c	c.bc	bc	bc	72	57	54	–	–	–	–	5.3
Valentia (Cahirciveen)	omid.	oid.c	c	o.p.o.r.	64	60	59	Tr.	<8.00	1	2.30	0.1
Roches Point	c	c.p.c	cir.	c.m.o.c	70	58	.	Tr.	14.30	0.1	<21.00	.
Pembroke (St. Ann's H.)	off.c.o.m	c.b.e.m.	b.c.o.f.s	off.c.m.	63	58	.	Tr.	<8.00	Tr.	6.30	2.0
Ross-on-Wye	c	c.bc	b.c.c.b.w	c	76	59	55	–	–	–	–	4.5
Leafield	cir.	c.p.c	b.c.w.c	c	73	57	55	Tr.	9.00	Tr.	–	3.0
Winchester (Worthy Dn.)	c	cv	c.b.c.c	c	76	59	51	–	–	–	–	5.3
S. Farnborough	cy	cy	b.c.b.w	b.w.c	78	56	45	–	–	–	–	9.0
London (Kew Obsy.)	c.b.c.y	c.b.c.y	b	bc	78	62	57	–	–	–	–	7.8
Croydon	b.c.c	c.b.c.y	b.c.y.b.c	b.c.o.c	78	61	58	–	–	–	–	6.7
Shoeburyness	c.f.c.f.c	c.b.c	bc	bc	77	58	56	Tr.	11.00	–	–	2.1
Clacton-on-Sea	cp	c.p.b.c.y	b.c.y	b.c.b	76	60	58	1	<8.00	–	–	2.8
Felixstowe	cir.c.u	c.b.c.j.p	b.c.c.w	b	75	60	58	1	<8.00	–	–	4.9
Lympne	c	cpr.c.b.c.	b.c.b.w	o.b.b.c	73	57	54	Tr.	12.30	Tr.	–	1.8
Scilly (St. Mary's)	c	c	c.b.c.c	c	67	59	.	–	–	–	–	9.4
Falmouth (Pendennis)	c	cr.c	c	c	69	61	.	Tr.	14.30	–	–	1.5
Plymouth (Cattewater)	c	c	cor.	od.m.c	69	60	59	–	–	Tr.	<21.00	0.1
Portland Bill	c	c	cv	c	66	60	.	–	–	–	–	.
Southampton (Calshot)	b.c.c	c.b.c.y.c	c.b.w.c	c.b.c.c	77	60	56	–	–	Tr.	–	6.5
Dungeness	c	c.b.c	b.c.b	b.b.c	68	59	.	–	–	–	–	.
Guernsey	o.f.c.m.	c	o	c.o.w	67	60	.	–	–	Tr.	–	0.4



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	25th 10h	Hibernia	WNW	1	c	60	57	8
1	" 12h	St. Helier	WNW	4	bc/s	67	60	7

General Inference.

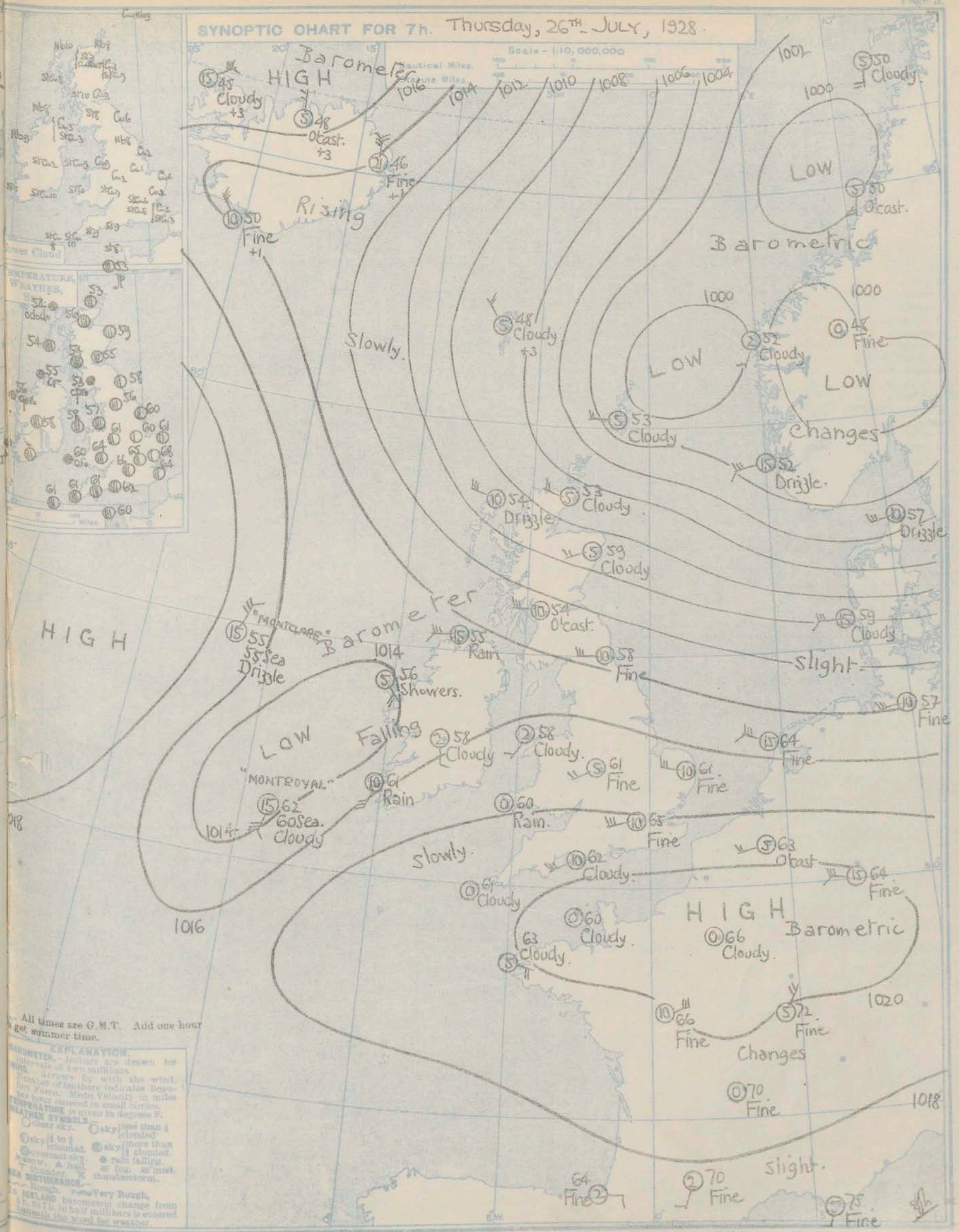
A complex depression centred over Scandinavia is moving eastsoutheastwards. A small secondary to it now centred just off the west coast of Ireland will move quickly eastwards and cause some rain or drizzle in most districts perhaps with local thunderstorms.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Thursday, 26th July, 1928.	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	Moderate southwesterly winds at first becoming northwesterly; cloudy, some drizzle or rain perhaps with thunder today, bright intervals with occasional showers to-morrow; warm to-day, cooler to-morrow.	Unsettled.
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Moderate southeasterly winds at first backing to northwesterly later; cloudy, some drizzle or rain to-day, bright intervals with occasional showers to-morrow; moderate temperature.	
13. A. W. Scotland B. N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland	Moderate northwesterly winds; cloudy, occasional drizzle or light rain to-day, bright intervals with occasional showers to-morrow; moderate temperature.	
16. Orkneys and Shetlands	Moderate northwesterly winds; cloudy, with brighter intervals; occasional showers; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate southerly winds becoming northwesterly; occasional drizzle or light rain at first; cloudy with bright intervals and occasional showers later perhaps with thunder; moderate temperature.	

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

[ ] For code see page [ ]

†Trace = rain has fallen, but amount less than ¼ mm.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION...Thursday 26th July.....................1928. No. 208..

Stations	Height above M.S.L. in feet	1h. G.M.T. 26th: 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	7h. G.M.T. 26th: 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	54	999.2 (3)	-2	SW	1	cr	52	97	7	2500	CuNb	4	ASt	9	1000.8	+2	W	2	c/p	53	92	7	1500	CuNb	3	ASt	9	•
Stornoway	30	1007.3	+2	W	4	c/pr₀	•	•	6	•	•	•	•	10	1008.5	+2	WNW	3	od₀d₀	54	92	7	2500	Nb	10	-	10	2
Wick	81	1004.8	-1	WSW	3	c	55	85	8	1500	StCu	8	CiSt	10	1006.3	+2	WNW	3	c	53	92	8	1500	Nb	8	ASt	10	0
Tiree	32	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.5	0	NW	4	c	54	92	8	1500	StCu	8	-	8	2
Nairn	39	•	•	•	•	•	•	•	•	•	•	•	•	•	1008.3	•	WNW	2	c+	56	85	8	800	CuNb	8	-	8	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	1008.5	+1	WSW	2	c	59	65	8	2500	StCu	8	-	8	•
Malin Head	81	1015.7	0	W	5	bc	55	92	8	5700	StCu	3	-	3	1014.5	-1	W	4	cr	55	97	7	4000	Nb	8	ASt	9	4
Renfrew	58	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.0	+2	W	3	o	54	92	7	1500	St	10	-	10	•
Edinburgh (Inchkeith)	190	1009.4	0	WSW	5	bc-	55	75	8	4000	Cu	3	ACu	4	1010.9	-1	WSW	5	c	55	85	8	4000	Cu	3	ACu	9	2
Leuchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.1	+1	SW	3	c+	57	75	8	2500	StCu	4	ACu	9	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.9	+1	SE	2	c/pr₀	53	85	7	1500	St	8	ACu	9	•
Tynemouth	67	1013.7	0	W	4	bc	59	75	7	1500	Cu	6	-	6	1013.3	0	W	3	bc	58	75	7	1500	Cu	6	-	6	1
Blacksod Point ...	18	1017.3	0	SW	3	or+	56	92	5	•	Nb	10	-	10	1013.9	-4	SE	2	c/pr₀	56	97	7	•	Nb	9	-	9	1
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.2	-1	W	1	c+	58	85	8	2500	Cu	8	-	8	1
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.6	•	S	1	c+	58	92	6	2500	StCu	2	ASt	9	•
Holyhead	26	1017.3	0	W'N	4	bc+	58	85	7	4000	St	6	-	6	1016.9	0	SWW	1	c	58	85	8	4000	StCu	9	-	9	1
Liverpool (Bidston)...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.9	0	W	3	c	57	85	8	2500	Cu	9	CiSt	9	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.8	0	W	3	bc-	60	75	7	4000	StCu	1	ACu	7	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.7	+1	SW	1	c+	56	85	8	4000	Nb	8	Ci	9	•
Spurn Head	29	1015.2	0	SWW	3	bc	58	85	6	5700	StCu	4	-	4	1014.5	0	WSW	5	bc	60	85	6	4000	Cu	2	Ci	4	•
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.9	0	WSW	2	bc-	61	85	8	2500	Cu	2	Ci	3	•
Cranwell	236	1017.0	0	WSW	2	b-	57	92	6	5700	StCu	1	-	1	1017.2	0	W	3	b+	60	85	6	2500	Cu	1	ACu	2	•
Gorleston	14	1016.7	+1	W	1	bc+	61	85	7	4000	Cu	7	-	7	1016.6	0	W'N	3	bc	61	92	6	4000	Cu	4	-	4	0
Valentia (Cahirciveen) ⊕	30	1019.2	0	SW'S	3	od₀d₀	61	92	4	-	St	10	-	10	1016.6	-2	S'W	3	cr₀r₀	61	97	7	800	St	5	ASt	10	0
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.7	-2	W	3	c/m	61	97	7	1500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	160	1018.8	0	W	3	FFo	60	97	1	220	St	10	-	10	1017.6	-1	-	0	or₀	60	97	3	220	St	10	-	10	0
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.3	-1	SWW	3	c+	64	85	6	4000	StCu	7	CiCu	8	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.2	0	SW'S	2	c	61	97	7	2500	Nb	8	ASt	9	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.6	-1	SWW	3	c	63	85	8	2500	StCu	9	-	9	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.2	-1	W	2	c+	66	85	8	2500	StCu	8	-	8	•
London (Kew Obsy.)...	18	•	•	•	•	•	63	•	•	•	•	•	•	•	1018.6	0	W'S	3	bc	65	75	8	2500	StCu	6	CiSt	7	•
Croydon	244	1019.2	+1	W	3	bc+	61	92	7	800	St	7	-	7	1018.7	0	W'N	3	c+	63	85	7	1500	StCu	9	-	9	•
Shoeburyness	21	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.3	0	W	2	b	66	85	8	-	-	0	-	0	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.8	0	W	3	b	6[3]	85	7	4000	Cu	2	-	2	2
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.8	+1	W	3	bc+	64	85	6	1500	St	4	-	4	3
Lympne	350	1019.1	+1	W	3	b-	59	92	8	-	-	0	-	0	1018.5	0	W	3	bc+	63	85	8	2500	Cu	4	-	4	•
Scilly (St. Mary's) ...	163	1021.1	-1	W'N	3	c	60	97	8	4000	StCu	10	-	10	1019.8	-1	-	0	c	61	92	8	4000	StCu	8	-	8	1
Falmouth (Pendennis)	300	1021.8	0	W	2	c	62	97	7	4000	StCu	10	-	10	1019.4	-2	-	0	c	61	92	8	4000	StCu	10	-	10	0
Plymouth (Cattewater)	89	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.5	-1	SW	2	c-	61	92	8	450	St	9	-	9	•
Portland Bill	52	1020.2	0	W	3	c	63	92	8	2500	St	7	ASt	10	[illegible]	0	WSW	3	c	62	92	8	2500	St	9	ASt	10	•
Southampton (Calshot)	10	1020.3	+1	NW	3	c	63	85	8	2500	Cu	9	-	9	1019.2	0	W	3	c	65	75	8	1500	StCu	8	-	8	0
Dungeness	20	1019.9	+1	W	2	b-	63	92	8	-	-	0	-	0	1019.0	0	WNW	2	bc+	64	85	8	2500	StCu	5	-	5	1
Guernsey (Fort George) ⊕	225	1022.0	0	WNW	1	c+	63	85	8	4000	StCu	10	-	10	1020.6	0	-	0	c	60	97	5	220	St	8	ASt	10	0

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

Stations (1)	Weather: Forenoon. (2)	Weather: Afternoon. (3)	Temperature: Min. 9h. 24th to 9h 25th (4)	Temperature: Max. 9h.-17h. 25th (5)	Rainfall†: Night 17h.-9h. 24th-25th (6)	Rainfall†: Day 9h.-17h. 25th (7)	Sunshine: Sunrise to 17h. 25th (8)	Sunshine: Sunrise to Sunset. 24th (9)
			°F	°F	mm.	mm.	hr.	hr.
Berwick-on-Tweed	bc	bc	51	66	-	-	9.4	4.3
Douglas (I. o. M.) ...	bcb	bcb	55	66	0.3	-	6.2	1.5
Llandudno ...	c	b	59	68	0.6	-	3.8	1.1
Colwyn Bay ...	cb	bcc	61	67	2	-	1.9	0.9
Rhyl... ...	pocb	cbbc	60	66	2	-	6.1	1.9
Wallasey ...	ocbc	bcbbc	58	67	4	-	5.0	0.0
Southport ...	ocbc	bcb	*57	67	2	-	7.4	0.0
Blackpool ...	oc	cbc	56	66	-	-	7.0	0.2
Ilkley ...	b	b	57	70	-	-	10.6	3.4
Cleethorpes...	oc	ob	60	75	-	-	6.3	6.4
Skegness ...	c	cbc	57	74	-	-	6.2	5.8
Aberystwyth ...	bc	cbc	60	64	1	-	0.6	1.9
Bath ...	c	bcc	65	71	-	-	2.1	8.5
Cheltenham† ...	cbc	cp₀c	66	77	-	Trace	1.0	9.0
Leamington Spa ...	cb	cb	64	75	-	-	1.1	7.1
Lowestoft ...	c	cpr₀	59	73	-	Trace	3.2	4.2
Harwich & Dovercourt	c	dbc	63	77	1	0.4	2.6	6.6
Maldon ...	c	cbc	60	79	-	-	0.9	6.0
Southend ...	oc	oc	65	76	Trace	-	1.4	9.0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe ...	om	o	60	64	-	-	0.0	7.9
Bude ...	m	m	60	66	-	-	0.0	4.3
Penzance ...	c	cbc	62	72	-	-	1.2	2.8
Paignton ...	bcc	o	64	75	-	-	2.5	11.9
Torquay ...	bbc	cbc	64	75	-	-	5.0	11.7
Jersey ...	cf	c	60	69	-	-	0.8	5.5
Weymouth ...	cbc	bbc	63	75	-	-	6.7	10.7
Bournemouth ...	ocbc	co	63	76	-	-	2.0	9.5
Ventnor ...	bobc	bc	63	70	-	-	10.1	9.5
Portsmouth (S'thsea)	b	bc	65	78	-	-	8.0	9.9
Bognor ...	cbbc	cbcc	63	75	-	-	8.6	10.1
Littlehampton ...	cbc	bc	63	72	-	-	8.5	9.2
Worthing ...	bcc	cbc	63	72	-	-	9.5	9.6
Brighton ...	cbc	bcbbc	64	72	-	-	7.7	9.1
Eastbourne† ...	cbc	:	64	72	-	-	9.9	9.2
Hastings‡ ...	cbcb	bbcb	63	74	-	-	6.1	8.3
Folkestone ...	c	cpc	65	74	-	Trace	1.5	7.0
Dover ...	bcc	cbc	66	73	-	-	1.8	6.2
Tunbridge Wells ...	bcc	cbc	62	79	-	-	3.0	7.8
Ramsgate ...	c	p₀c	66	74	Trace	Trace	0.8	7.6
Margate ...	cbc	bcc	66	76	Trace	-	0.5	7.5
Deal ...	bcco	cbcc	64	76	-	-	1.3	8.4

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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 9h.-17h., the minimum for the period 21h.-9h. ⊕ 21h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B24354 Friday 27th July 1928.

Observations at 13h. G.M.T. 26th

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	1004.0	+3	NW	2	cjp	56	85	7	1500 (2 above) [illegible]	CuNb	5	ASt	9	•
Stornoway	1009.5	+1	NW	2	c	58	85	7	4000	CuNb	9	-	9	•
Wick	1009.3	+3	WSW	2	c	57	75	8	1500	StCu	8	CiSt	10	•
Tiree	1012.7	0	NW	2	c	56	92 (2)	8	1500	StCu	8	-	8	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1009.7	+1	NNW	2	c	62	65	8	2500	StCu	8	-	8	0
Malin Head	1013.1	-2	N	1	cjp	57	92	8	4000	CuNb	6	CiSt	9	•
Renfrew	1013.0	-1	WSW	3	c|pr₀	61	75	8	1500	StCu	10	-	10	0
Edinburgh (Inchkeith)	1011.4	0	WSW	5	bc	58	75	8	4000	Cu	3	ACu	7	•
Leuchars	1010.6	0	W	5	c-	69	55	8	4000	StCu	8	Ci	8	0
Eskdalemuir	1013.4	0	SW	4	c	53 (57)	75	7	2500	StCu	9	-	9	1
Tynemouth	1013.8	0	W	2	bc|r	63	65	7	1500	Cu	7	-	7	•
Blacksod Point	1010.8	-2	-	0	o|pr₀	61	92	7	•	Nb	10	-	10	•
Donaghadee	1015.7	-1	SE	1	cr₀	56	92	6	1500	Nb	8	-	8	•
Birr Castle	1013.4	•	SW	2	cd₀	65	85	7	1500	Cu	8	-	8	•
Holyhead	1015.0	-3	S'W	3	crr	58	92	6	1500	Nb	7	ASt	10	1
Liverpool (Bidston)	1015.2	-2	-	0	cr₀r₀	59	85	8	4000	Nb	9	-	9	•
Chester (Sealand)	1015.3	-2	NW'W	1	cr₀	65	75	8	5700	StCu	9	-	9	1
Harrogate	1015.1	-1	SW	3	c	62	75	8	4000	Nb	8	ASt	9	•
Spurn Head	1014.5	0	W'N	4	c+	65	75	6	4000	St	5	ACu	9	•
Birmingham (Edgbaston)	1015.8	-2	SW	3	bc+	73	55	8	4000	StCu	5	Ci	7	0
Cranwell	1016.2	-2	WSW	4	c|pr₀	75	45	7	4000	Cu	3	ACu	8	0
Gorleston	1016.1	-2	W'S	2	bc	75	45	7	4000	Cu	5	-	5	•
Valentia (Cahirciveen)	1014.6	-2	S'W	4	c	65	92	8	800	St	10	-	10	1
Roches Point	1016.2	-3	SW	2	c	63	85	8	1500	StCu	10	-	10	•
Pembroke (St. Ann's H.)	1016.7	-2	SSW	3	bc-	63	92	7	2500	Cu	4	CiCu	6	•
Ross-on-Wye	1016.3	-1	W'S	4	bc	70	65	6	4000	Cu	4	ACu	7	0
Leafield	1017.1	-1	SW'W	2	c	67	75	8	4000	StCu	3	ASt	9	0
Winchester (Worthy Dn.)	1017.1	-3	SW	2	bc	74	55	8	4000	Cu	5	Ci	6	0
S. Farnborough	1017.3	-2	WSW	3	bc-	77	45	8	5700	Cu	4	Ci	5	0
London (Kew Obsy.)	1017.3	-2	SW	3	c	73	65	8	2500	Cu	8	-	8	0
Croydon	1017.4	-2	W	3	c-	74	55	7	2500	StCu	8	-	8	0
Shoeburyness	1017.2	0	WSW	2	c	73	75	8	4000	StCu	9	-	9	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1016.6	-2	WSW	3	c	73	65	8	2600	StCu	9	-	9	0
Lympne	1017.4	-2	SW	3	bc-	71	65	8	4000	StCu	7	-	7	0
Scilly (St. Mary's)	1018.2	-3	NE	2	c	65	85	7	4000	StCu	8	-	8	•
Falmouth (Pendennis)	1018.4	-1	-	0	c	64	85	8	4000	StCu	9	-	9	•
Plymouth (Cattewater)	1017.9	-3	SW	3	bc-	69	75	8	1500	CuNb	1	ACu	7	0
Portland Bill	1018.2	-1	S	3	c-	63	92	8	1500	St	8	Ci	9	•
Southampton (Calshot)	1017.9	-1	SSW	3	bc-	75	65	8	2500	Cu	2	Ci	3	0
Dungeness	1018.9	-1	SW	2	bc	69	75	8	2500	Cu	3	CiCu	5	•
Guernsey (Fort George)	1019.0	-1	SE	2	c|f	65	85	8	1500	St	8	-	8	•

Observations at 18h. 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	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea. 0-9
Lerwick	1006.4	+3	NW	3	cjp	52	85	7	1500	CuNb	7	ASt	10	•
Stornoway	1009.5	0	NNW	2	dd	53	97	7	4000	Nb	10	-	10	1
Wick	1009.2	0	NW	2	c	53	85	8	1500	~~St~~ CuNb	6	CiSt	8	0
Tiree	1011.0	-2	W'S	1	or.r₀	54	97	7	800	Nb	10	-	10	2
Nairn	1009.2	•	W	1	bc	61	75	8	2500	Cu	7	-	7	•
Aberdeen	1009.7	0	ENE	2	c	59	75	8	2500	Cu	9	-	9	0
Malin Head	1010.0	-4	ENE	3	or r	54	97	5	2500	Nb	10	-	10	2
Renfrew	1011.2	-3	WSW	2	c|dr	58	85	8	4000	CuNb	10	-	10	•
Edinburgh (Inchkeith)	1010.7	-2	WSW	3	or.r₀	56	85	8	800	Nb	10	-	10	1
Leuchars	1010.0	-1	W	3	c	62	75	8	-	-	0	ASt	10	•
Eskdalemuir	1011.7	-3	SSW	3	c|r	54	92	7	800	Nb	7	ASt	10	•
Tynemouth	1012.3	-1	W	2	or₀	61	75	7	1500	Nb	10	-	10	0
Blacksod Point	1008.4	-3	SW	3	c	61	92	7	•	CuNb	9	-	9	3
Donaghadee	1012.1	-4	SE	2	or	55	92	6	800	Nb	10	-	10	1
Birr Castle	1010.7	•	S	2	cd₀+	65	85	7	1500	Nb	9	-	9	•
Holyhead	1012.5	-3	SSW	5	cr₀	60	92	7	450	StCu	5	ASt	9	1
Liverpool (Bidston)	1012.5	-5	SW'W	1	cr.r₀	65	75	9	2600	Nb	8	ASt	10	•
Chester (Sealand)	1012.4	-4	SW	2	cr₀	67	75	8	2500	StCu	10	-	10	•
Harrogate	1013.2	-2	SW	2	c	61	75	7	5700	Nb	8	ASt	10	•
Spurn Head	1013.2	-2	E	3	c	61	85	6	4000	St	7	ASt	10	1
Birmingham (Edgbaston)	1013.8	-2	WSW	3	c	70	55	8	4000	StCu	3	ASt	8	•
Cranwell	1013.5	-3	-	0	c	73	55	8	2500	StCu	7	CiSt	10	•
Gorleston	1014.1	-2	E'N	1	bc+	66	85	7	-	-	0	CiCu	7	0
Valentia (Cahirciveen)	1012.3	-3	S'W	3	c	63	97	8	800	St	10	-	10	1
Roches Point	1013.7	-3	W	2	c	61	92	8	1500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1014.0	-2	WSW	1	c	62	97	7	1500	StCu	8	ACu	9	0
Ross-on-Wye	1013.6	-2	WSW	2	c	70	65	8	4000	StCu	5	ASt	8	•
Leafield	1013.9	-3	WSW	2	c-	70	65	8	4000	StCu	3	ACu	8	•
Winchester (Worthy Dn.)	1014.7	-3	S'E	3	c	69	75	8	5700	StCu	3	ASt	9	•
S. Farnborough	1014.5	-3	SW'S	3	c+	73	65	8	-	-	0	ASt	9	•
London (Kew Obsy.)	1013.9	-4	SW	3	bc	78	55	8	2500	Cu	1	CiSt	7	•
Croydon	1014.9	-4	SW'S	3	bc	73	65	8	-	-	0	Ci	6	•
Shoeburyness	1014.4	-3	S	2	bc	70	85	8	-	-	0	ACu	4	•
Clacton-on-Sea	1014.9	-3	SE	3	bc	69	75	7	-	-	0	CiSt	5	2
Felixstowe	1015.0	-1	S	1	bc	69	75	8	2500	Cu	1	CiSt	5	0
Lympne	1015.5	-2	SW	3	bc	64	85	8	-	-	0	ACu	4	•
Scilly (St. Mary's)	1014.3	-3	ENE	3	c	64	85	8	4000	StCu	10	-	10	1
Falmouth (Pendennis)	1016.0	-1	SE'E	1	c+	64	92	8	4000	StCu	8	-	8	0
Plymouth (Cattewater)	1014.6	-5	S	3	bc	64	85	8	4000	CuNb	3	CiSt	7	0
Portland Bill	1015.0	-3	S	2	c	63	86	8	2500	StCu	4	Ci	8	0
Southampton (Calshot)	1015.4	-3	SW'W	3	c+	68	75	8	-	-	0	ACu	8	0
Dungeness	1016.5	-3	SW	2	bc-	64	86	8	4000	Cu	2	CiCu	5	2
Guernsey (Fort George)	1015.9	-5	NE	1	bc-	62	85	8	-	-	0	ACu	4	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	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 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	bcc	bcy	bc Rblm	81	61	56	-	4	7.9	•	•	5
Croydon	244	cbcyc	cbcy	bccrtl	80	59	57	-	2	6.4	•	•	•
Greenwich (Royal Obsy.)	149	c	cbcyc	~~c@bcrm~~ c@brtcm	84	60	51	-	1	7.4	49	93	4
City (Bunhill Row)	60	•	•	•	•	•	•	•	•	7.6	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	79	62	59	-1		8.2	53	79	•
Regent's Pk. (Botanic Gdns).	188	•	•	•	•	•	•	•	•	6.6	•	•	•
Camden Square	110	o	cbc	•	84	62	-	-	5	•	•	95	•
Kensington Palace	86	o	obc	•	81	61	57	-	2	•	(At 18h) 50	72	•
Hampstead Observatory	450	•	•	•	78	58	*	-	6	7.5	•	83	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 27th

South Kensington Max.	Time	Min.	Time
0.4	7h 27th	<0.3	19h 26th

Kew Observatory Max.	Time.	Min.	Time.
0.1	6h 27th	<0.1	16h 26th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 26th 21 h 15 m. to 27th 3 h 0 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.45	3 8	55
δ Ursae Minoris	5.45	2.24	42

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=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.

27th & 28th July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.6 4.7	11.59 11.59	19.52 19.50
Greenwich	4.18 4.19	12.6 12.6	19.54 19.52
Wick	3.54 3.56	12.19 12.19	20.42 20.40
Valentia	4.57 4.58	12.47 12.47	20.37 20.35

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. l 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:—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.

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.

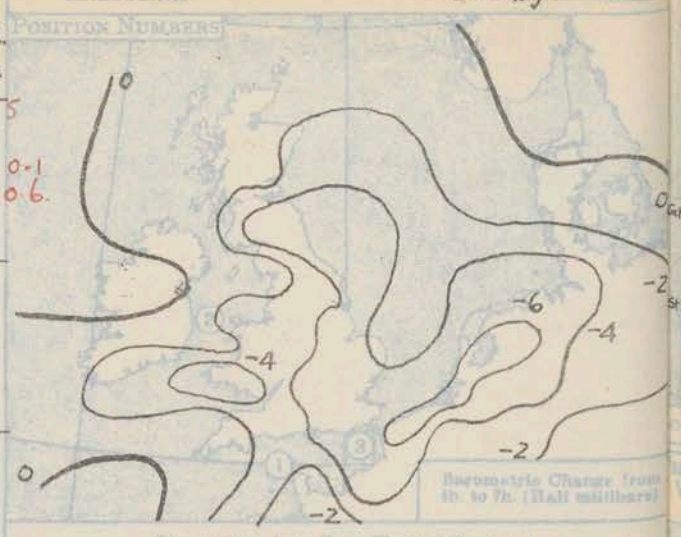
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† 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. 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	cp.	cpr.	cip.	cip.bc	57	45	•	1	<8.00	0.2	<21.00	2.2
Stornoway	c	o	p	p	59	47	•	0.2	16.30	0.3	<21.00	0.5
Wick	c	cprc	cpr.c	c	57	48	•	0.2	<8.00	(Tr)	24.00	•
Tiree	c	orr	ro	ofor.	58	51	49	1	13.30	2	<21.00	~~0.4~~ 0.6
Nairn	cbcq	bc	bcc	cmd	66	46	•	-	-	2	1.30	3.0
Aberdeen	cv	cv pr.c	cir.	corr	65	51	50	Tr.	13.30	6	<21.00	0.9
Malin Head	circ	cirorrmm	orrdcrrm.	circpr.	58	51	•	5	<8.00	6	<21.00	0.0
Renfrew	cp.	cd2	or.	ormdd	62	53	52	0.1	12.30	4	22.00	1.3
Edinburgh(Inchkeith)	c	c	ofor.	FfRr	61	52	51	Tr.	17.30	13	<21.00	2.1
Leuchars	bccy	cvyc	cp.c	orr.	69	52	48	~~0.5~~	-	1	<21.00	2.2
Eskdalemuir	cpr.c	cprc	corrm.	orrm.	58	51	51	1	<8.00	15	<21.00	0.1
Tynemouth	cir.	cir.	orr	orr	66	55	54	Tr.	12.30	19	<21.00	•
Blacksod Point ...	p.p.	Pc	pc	c	63	53	•	5	•	0.1	•	•
Donaghadee	cir.	orrir	iRc	ir.bc	58	53	•	7	9.00	11	<21.00	•
Birr Castle	cid.	cid.	cd.d.	oRR	66	54	55	0.1	<8.00	9	<21.00	0.0
Holyhead	cir.	ir.m.	ir.c	ir.m.	61	57	56	0.3	9.00	2	<21.00	1.1
Liverpool (Bidston) ...	cp.r.	r.cr.	r.cv	ocr.	65	59	56	1	9.00	0.1	<21.00	0.8
Chester (Sealand) ...	bccr.	cr.r.c	cr.	cr.r	69	58	55	Tr.	11.00	0.1	<21.00	3.8
Harrogate	c	cir.	cir.	c	63	57	55	Tr.	15.30	Tr	<21.00	1.3
Spurn Head	bcc	c	c	cpr.	67	59	•	-	-	Tr	6.30	6.2
Birmingham(Edgbaston)	bc	bcc	c	coir.	75	59	57	-	-	0.6	3.30	7.6
Cranwell	bc	cy	cbcm.	ccr.c	77	59	58	Tr.	12.30	Tr	3.30	8.3
Gorleston	bcy	bc	bcc	cor.r	77	61	59	-	-	0.5	5.30	13.1
Valentia(Cahirciveen)	or.c	c	cpc	cir.c	65	57	57	0.6	<8.00	2	22.00	0.0
Roches Point	c	c	cir.	cmcir.	69	58	•	-	-	1	24.00	•
Pembroke(St.Ann's H.)	oiFidbcm	bcc	cmr.r	offr.r	64	59	•	0.3	<8.00	2	24.00	1.6
Ross-on-Wye	c	c	c	cgrr	73	60	59	-	-	3	4.30	3.7
Leafield	c	c	cbc	cRr	73	58	52	-	-	16	3.30	1.8
Winchester (Worthy Dn.)	cbcy	bcc	c	cpremcr	77	58	55	-	-	1	1.30	6.0
S. Farnborough ...	cbcy	bcyc	cbcc	cirm	80	59	51	-	-	1	1.30	5.9
London (Kew Obsy.) ...	bcc	bcy	cbc	cphRblm.	81	61	56	-	-	4	4.30	7.9
Croydon	cbcyc	cbcy	bccbc	cr.tl.m	80	59	57	-	-	2	2.30	6.4
Shoeburyness	bbcc	cbc	co	otlr.	79	60	56	-	-	2	5.30	8.0
Clacton-on-Sea ...	bbccy	cybc	bc	bcctlr	76	60	59	-	-	12	5.30	8.6
Felixstowe	bcc	cbc	bc	bctlr	75	61	60	-	-	3	4.30	8.1
Lympne	bccbc	bcb	bcofbFF	bFcr.rcr	73	54	49	-	-	0.2	2.30	11.3
Scilly (St. Mary's) ...	c	cbcc	cirtl	tlorf	69	59	•	-	-	0.3	22.00	1.3
Falmouth (Pendennis)	cd.m.	cbc	cr	cRtl	66	59	•	Tr.	2.00	1	24.00	3.0
Plymouth(Cattewater)	obc	bcc	bccor	or.o	69	59	52	-	-	1	24.00	3.7
Portland Bill	c	c	cbccimr3.	cr.cpc	66	60	•	-	-	1	24.00	•
Southampton(Calshot)	cbc	bcc	cbwc	cr.ir.m.	77	60	55	-	-	1	2.30	7.7
Dungeness	bc	bc	bcfFff	fr.reir	70	56	•	-	-	0.2	3.30	•
Guernsey	cmofefcc	cbc	bc	bbcq	67	61	•	-	-	-	-	5.7



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Variation.
1	0h. 26th	St. Julien	-	0	ifo	62	62	5
3	1h. 27th	Dieppe	-	0	bc	64	61	

GENERAL DIFFERENCE.

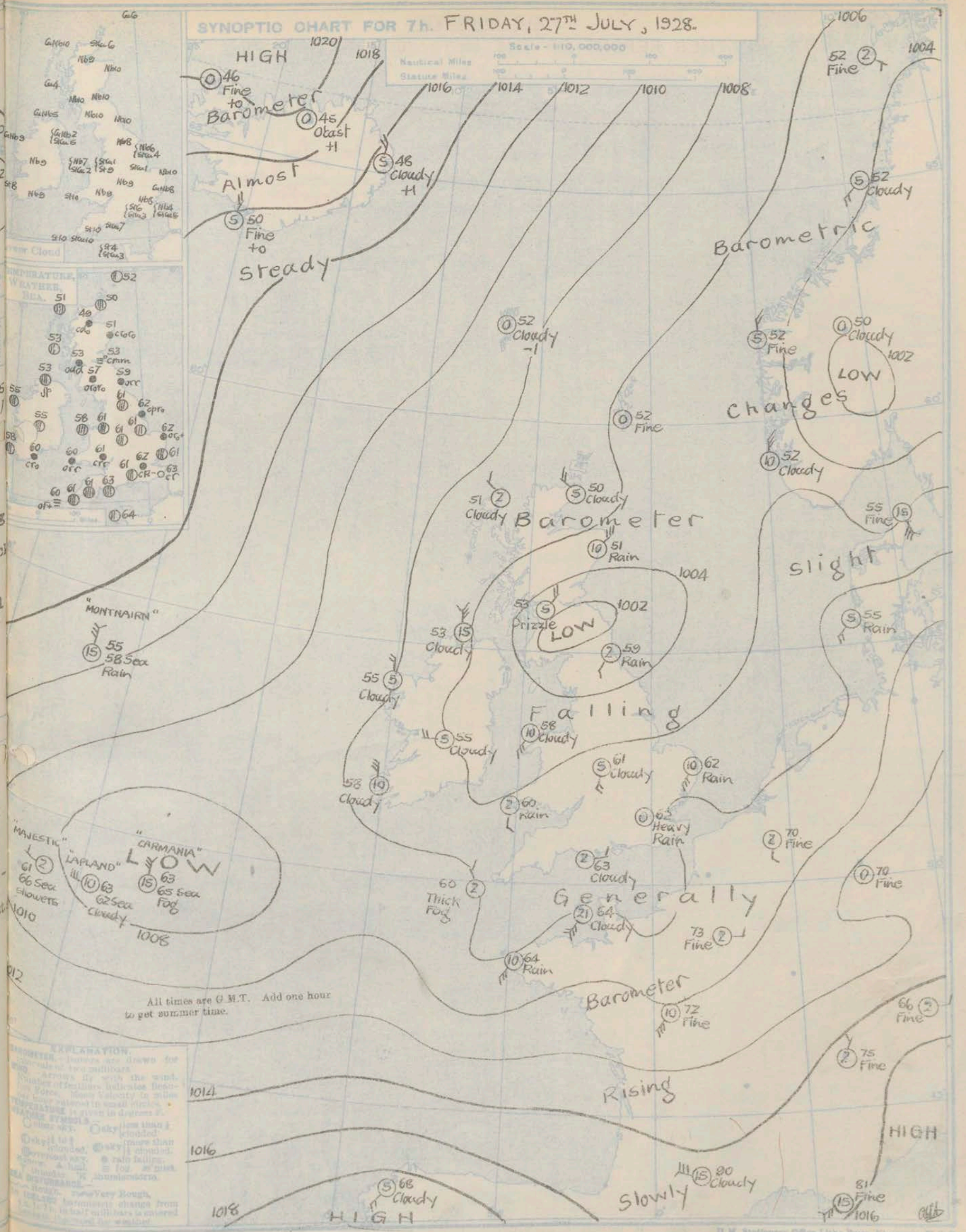
A depression centred over Southern Scotland is moving eastwards and others stretching across the Atlantic seem likely to follow a similar track. Weather will be generally unsettled and further rain is likely in all districts. Local thunderstorms may occur and temperature should be a little lower than of late.

Forecasts for the 24 hours commencing 12 Noon G.M.T. Friday, 27th July, 1928.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light to moderate southwesterly winds, veering temporarily to northwesterly but backing again later; cloudy, some rain or showers perhaps with thunder; warm.	Unsettled with further rain in most districts and a likelihood of local thunderstorms; warm in southern districts but temperature moderate in northern ones.
5. S.W. England 6. South Wales 7. North Wales	Light to moderate westerly winds, veering temporarily to northwesterly but backing again later; cloudy, some rain or showers perhaps with thunder; warm, some coastal fog at night and in early morning.	
8. S.W. England 9. N. Midlands	Light to moderate northwesterly winds, backing later; some bright intervals with occasional showers at first, rain later; rather warm.	
10. N.E. England 11. S.E. Scotland	As 1 - 4.	
12. S.W. Scotland & Isle of Man 13. (A) W. Scotland (B) NW. Scotland	Moderate northerly winds backing later; some bright intervals with occasional showers at first, rain later; moderate temperature; some coastal mist or fog in early morning	
14. Mid-Scotland	As 8 - 9.	
15. N.E. Scotland 16. Orkneys and Shetlands	Light to moderate northeasterly winds; cloudy at first with brighter intervals; some rain or showers later; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 12 - 13B.	

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

† Figures are rounded. * 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.....Friday..27th. July.....1928. No.209...

Observations at 1h. G.M.T. 27th.....

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	64	1006.8	0	NW	1	cjp	49	92	8	1500	CuNb	5	ACu	8
Stornoway	30	1009.5	0	NNW	3	c/pr	•	•	6	•	•	•	•	10
Wick	81	1009.1	0	NW	1	c	49	92	8	1500	StCu	8	ASt	10
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	31	1007.2	-1	N	4	crr	53	97	5	4000	Nb	8	ASt	10
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	100	1006.9	-4	WSW	1	ofo	54	97	8	800	St	10	-	10
Leuchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1007.8	-3	WSW	1	o/r	58	97	7	800	Nb	10	-	10
Blacksod Point ...	18	1008.0	0	N	4	c	56	85	6	•	CuNb	9	-	9
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1009.3	-3	SSW	4	ofof	58	97	6	1500	Nb	10	-	10
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	476	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	39	1009.1	-3	SW	1	c	60	92	6	4000	St	8	-	8
Birmingham (Edgbaston)	635	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	256	1010.6	-4	WSW	1	c+	62	85	6	2500	StCu	10	-	10
Gorleston	14	1010.7	-4	SSW	2	bc	65	92	7	4000	StCu	2	ASt	4
Valentia (Cahirciveen)‖	30	1010.6	-2	NW	3	mho	59	97	6	•	St	10	-	10
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	150	1009.9	-4	S	2	cfof	60	97	7	800	StCu	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	612	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester (Worthy Dn.)	372	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	63	•	•	•	•	•	•	•
Croydon	344	1011.7	-3	WSW	1	bc	60	92	7	4000	StCu	5	-	5
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1012.3	-3	N	1	Fb+	55	97	1	-	-	0	-	0
Scilly (St. Mary's) ...	163	1011.4	-1	N	2	ctl	61	92	7	4000	CuNb	10	-	10
Falmouth (Pendennis)	209	1011.6	-4	NE	2	cr	60	97	8	4000	StCu	9	-	9
Plymouth (Cattewater)	52	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1009.6	-5	SE	2	ofo	60	92	6	1500	St	10	-	10
Southampton (Calshot)	10	1008	-7	SE	2	c+	62	92	7	2500	Cu	8	-	8
Dungeness	30	1012.4	-4	-	0	fc-	60	97	3	220	St	9	-	9
Guernsey (Fort George) ‖	295	1011.0	-4	-	0	bc+	65	85	7	4000	StCu	4	-	4

Observations at 7h. G.M.T. 27th.....

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	1005.8	-1	-	0	bc	52	85	8	1500	Cu	6	Cu	7	•
Stornoway	1007.2	-1	NW	1	c	51	85	7	4000	CuNb	10	-	10	0
Wick	1008.1	-1	NW	2	c	50	85	8	2500	StCu	6	CuSt	8	0
Tiree	1006.1	-1	N	4	bc-	53	92	8	1500	Cu	4	ACu	7	2
Nairn	1006.7	•	ENE	1	cdzdz	49	92	7	1500	Nb	9	-	9	•
Aberdeen	1005.4	-3	NE	3	orzrz	51	92	7	800	Nb	10	-	10	0
Malin Head	1006.7	-1	N	4	cjp	53	92	8	4000	CuNb	5	ACu	8	1
Renfrew	1003.5	-2	NE	2	odd	53	97	4	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	1002.0	-5	ENE	3	FFo	53	97	1	150	Nb	10	-	10	2
Leuchars	1003.4	-3	NE	2	ofofo	53	97	6	450	Nb	10	-	10	•
Eskdalemuir	1001.9	-4	SW	3	orzrz	57	97	6	450	Nb	10	-	10	•
Tynemouth	1003.2	-4	SW	1	orr	59	92	6	800	Nb	10	-	10	0
Blacksod Point ...	1008.2	0	N	2	cv	55	85	9	•	CuNb	10	-	10	1
Donaghadee	1005.5	0	NW	4	bc-	54	92	8	2500	StCu	7	-	7	3
Birr Castle	1006.0	•	W	2	c	55	97	7	1500	Nb	9	-	9	•
Holyhead	1005.7	-3	SW	3	c/r	58	97	5	220	Nb	9	-	9	1
Liverpool (Bidston) ...	1004.9	-3	SW'W	1	c/r	61	85	8	2500	St	10	-	10	
Chester (Sealand) ...	1005.5	-2	SSW	2	cr	62	85	8	1500	StCu	8	ASt	10	
Harrogate	1004.8	-2	SSW	2	c	61	85	7	4000	Nb	8	ASt	10	•
Spurn Head	1005.1	-4	WSW	3	c/pr	62	92	7	4000	Nb	10	-	10	
Birmingham (Edgbaston)	1006.8	-3	SSW	2	c/r	61	97	6	2500	Nb	9	-	9	•
Cranwell	1006.2	-4	SSW	2	c	61	92	6	4000	StCu	1	ASt	10	•
Gorleston	1007.4	-2	SW'S	3	orz+	62	85	6	2500	Nb	10	-	10	0
Valentia (Cahirciveen)‖	1007.0	-2	N	3	c	58	97	8	1500	St	8	ACu	9	2
Roches Point	1007.5	-3	W	1	crz	60	97	7	1500	Nb	9	-	9	0
Pembroke (St. Ann's H.)	1006.3	-4	S	1	orr	60	97	2	220	St	10	-	10	0
Ross-on-Wye	1006.6	-3	WSW	2	crr	61	97	6	1500	Nb	9	ASt	10	•
Leafield	1006.9	-5	S	3	orr	58	97	4	800	Nb	10	-	10	•
Winchester (Worthy Dn.)	1007.2	-5	NE	1	c/r	61	97	7	2500	StCu	9	-	9	•
S. Farnborough ...	1007.2	-5	ESE	1	c/r	61	97	5	800	St	9	-	9	•
London (Kew Obsy.) ...	1007.6	-5	-	0	cR-	62	92	5	2500	Nb	8	ASt	10	•
Croydon	1007.6	-5	-	0	crzrz	62	97	4	2500	Nb	7	ASt	10	•
Shoeburyness	1007.8	-3	-	0	crz	62	97	6	4000	CuNb	10	-	10	•
Clacton-on-Sea ...	1008.4	-3	W	3	cr ~~cfth~~	61	92	6	4000	CuNb	8	-	8	1
Felixstowe	1008.5	-5	W	1	c	62	92	6	800	Nb	8	ASt	10	0
Lympne	1007.9	-4	N	2	c/r	61	97	6	2500	StCu	8	-	8	•
Scilly (St. Mary's) ...	1008.9	0	NNW	1	Fo+	60	97	1	450	St	10	-	10	1
Falmouth (Pendennis)	1007.1	-1	NNE	2	c	61	97	7	4000	StCu	10	-	10	
Plymouth (Cattewater)	1006.6	-3	E	3	o+	61	97	6	220	St	10	-	10	0
Portland Bill	1006.2	-3	E	1	c	63	92	6	2500	StCu	7	ASt	10	0
Southampton (Calshot)	1006.8	-4	E	3	c-	63	92	6	1500	Cu	6	ASt	9	0
Dungeness	1007.1	-4	N	2	cr	63	97	7	2500	StCu	9	-	9	1
Guernsey (Fort George) ‖	1007 ~~.4~~ 7.5	-2	SW	5	bc	~~64~~ 65	85	7	1500	St	7	-	7	4

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 25th to 9h. 26th. °F.	Temperature. Max. 9h. -17h. 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	c	c	55	65	-	-	1.9	10.4
Douglas (I. o. M.) ...	cbco	oirF	54	61	-	1	0.4	7.9
Llandudno ...	crrc	rc	59	67	-	1	0.8	5.0
Colwyn Bay ...	bccb	bcc	57	67	-	-	1.7	3.9
Rhyl	bccp	cbcc	60	67	-	0.3	2.2	8.5
Wallasey	cbcpc	pc	58	66	-	0.5	0.3	6.2
Southport	copbo	oco	*58	64	-	(-)	1.6	8.3
Blackpool	cbc	bcpo	57	64	-	0.4	3.2	9.0
Ilkley	bcc	c	54	67	-	-	3.2	11.8
Cleethorpes	cbc	cbc	53	70	-	-	7.2	8.3
Skegness	bc	bc	58	77	-	-	9.1	7.2
Aberystwyth ...	bc	bcc	59	67	-	-	6.3	0.6
Bath	c	c	62	75	Trace	-	3.0	2.7
Cheltenham ...	cwbc	bcc	60	74	-	-	3.3	1.1
Leamington Spa ...	c	c	58	74	-	-	6.1	3.0
Lowestoft	b	b	57	81	-	-	9.7	4.1
Harwich & Dovercourt	bc	bc	53	76	-	-	7.8	4.9
Maldon	bcc	bcb	58	78	-	-	5.6	2.7
Southend	cbc	bcb	60	81	-	-	7.9	2.8

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe ...	odc	cbc	60	66	0.2	0.2	1.3	0.0
Bude	mmrc	cbc	60	68	1	-	1.5	0.0
Penzance	c	cb	61	68	-	-	3.0	1.2
Paignton	cbc	bc	62	73	-	-	4.2	2.6
Torquay	o	acbca	63	71	-	-	4.9	5.2
Jersey	c	bc	60	76	-	-	5.3	0.8
Weymouth	c	b	63	70	-	-	4.7	7.6
Bournemouth ...	o	bbc	63	72	-	-	4.5	2.5
Ventnor ...	adma	bc	60	68	Trace	-	5.3	11.5
Portsmouth (S'thsea)	bcb	b	63	75	-	-	6.8	9.0
Bognor	cbc	bcb	59	68	-	-	7.3	9.5
Littlehampton ...	cbc	bc	58	68	-	-	8.7	8.9
Worthing	bcbc	bc	60	71	-	-	10.1	10.4
Brighton	bc	bc	61	71	-	-	9.1	8.7
Eastbourne‡	bc	bcb	60	70	-	-	10.6	11.8
Hastings‡	cbcb	bbcb	59	72	-	-	8.7	8.0
Folkestone	bc	bcv	59	75	-	-	10.6	2.7
Dover	bbc	bc	60	69	-	-	11.3	3.9
Tunbridge Wells ...	bcc	bcb	59	77	-	-	5.6	5.3
Ramsgate	bbc	bcb	59	75	-	-	9.6	0.9
Margate	bbc	bc	61	75	-	-	9.5	1.0
Deal	bbcb	b	59	77	-	-	9.9	3.4

TERMS OF SUBSCRIPTION.—6/6 per quarter or 26/- 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. 824,355. Saturday 28th July 1928.

Observations at 13h. G.M.T. 27th

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	1004.9	-1	NW	2	bc+	53	85	8	2500	Cu	5	Ci	7	•
Stornoway	1007.0	0	NE	2	c|PR	51	92	7	4000	CuNb	9	•	9	•
Wick	1005.8	-1	NNE	2	c	52	65	8	2500	StCu	6	CiSt	8	•
Tiree	1006.0	0	N	4	bcv-	55	75	9	2500	Cu	3	CiCu	4	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1005.1	0	NE'N	3	crr	50	92	6	1500	Nb	4	ASt	10	1
Malin Head	1006.9	+1	N	4	c	55	85	8	4000	Cu	8	-	8	•
Renfrew	1004.0	+1	E	1	odd₀	55	92	6	800	Nb	10	-	10	1
Edinburgh (Inchkeith)	1002.1	0	NNE	3	or₀	52	92	8	800	St	10	-	10	•
Leuchars	1003.3	0	NE	3	c|d	53	85	8	800	St	10	-	10	1
Eskdalemuir	1001.6	+1	N	4	c	58	85	8	1500	StCu	9	-	9	1
Tynemouth	999.9	-2	W	3	bc|r	68	65	6	1500	CuNb	5	Ci	6	•
Blacksod Point	1008.5	+1	N	3	bcv	59	75	9	•	Cu	6	-	6	•
Donaghadee	1006.6	0	N	4	bc-	59	75	8	2600	CuNb	3	ACu	4	•
Birr Castle	1006.4	•	NNW	2	c	62	65	7	1500	StCu	9	-	9	•
Holyhead	1006.0	+1	NNW	4	c	58	85	8	2500	StCu	9	-	9	1
Liverpool (Bidston)	1004.2	-1	W'N	4	c	58	85	6	1500	StCu	9	-	9	•
Chester (Sealand)	1004.0	-1	NW'W	5	c+	61	85	8	1500	St	10	-	10	1
Harrogate	1002.4	-2	SW	4	c	65	75	8	4000	Nb	8	ACu	9	•
Spurn Head	1002.2	-3	WSW	4	c	71	65	6	4000	CuNb	8	-	8	•
Birmingham (Edgbaston)	1004.4	-1	SSW	2	c|p	64	85	8	2500	Nb	8	ASt	10	0
Cranwell	1004.0	-2	SW	3	c	67	75	6	2600	StCu	7	ASt	10	0
Gorleston	1004.1	0	SW	2	oclr₀	65	92	6	1500	Nb	10	-	10	•
Valentia (Cahirciveen)	1007.8	0	N'E	4	c	61	85	8	1500	StCu	8	-	8	5
Roches Point	1007.1	0	SW	2	cd₀	60	92	7	1600	Nb	8	-	8	•
Pembroke (St. Ann's H.)	1005.6	-1	WNW	2	c|pr₀	62	97	7	800	CuNb	7	ACu	9	•
Ross-on-Wye	1005.0	-1	SW	3	c|p	66	85	6	2500	Nb	9	ASt	10	1
Leafield	1005.4	-2	SW'S	2	orr	60	97	5	220	Nb	10	-	10	1
Winchester (Worthy Dn.)	1005.3	-1	-	0	c|r	67	85	6	2500	St	10	-	10	5
S. Farnborough	1004.5	-3	NNW	1	c	72	65	7	4000	StCu	10	-	10	0
London (Kew Obsy.)	1006.1	-1	NW'N	1	c	70	65	8	1500	CuNb	2	ASt	10	1
Croydon	1006.4	-1	NE'E	1	cr₀	70	75	5	2600	St	10	-	10	5
Shoeburyness	1004.9	-3	ESE	2	bc	70	85	8	4000	Cu	0	ACu	7	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1003.8	-5	-	0	c|r	67	85	8	2600	St	6	ACu	8	1
Lymphe	1004.9	-1	S	3	c+	67	85	6	1500	St	10	-	10	0
Scilly (St. Mary's)	1008.4	0	NW'W	2	cr₀	63	92	8	4000	CuNb	9	-	9	•
Falmouth (Pendennis)	1007.4	0	WNW	3	cr₀	63	92	7	4000	StCu	10	-	10	•
Plymouth (Cattewater)	1006.3	+1	NNW	3	c	67	75	8	800	St	10	-	10	1
Portland Bill	1005.0	-2	NW	1	ffo	62	97	3	460	St	10	-	10	1
Southampton (Calshot)	1005.4	-1	SW'W	3	c|pr₀	69	85	6	1500	St	8	ASt	10	1
Dungeness	1005.0	-2	SW	4	c+	70	85	7	800	St	4	CiCu	8	•
Guernsey (Fort George)	1007.4	0	WSW	5	c|f	63	97	5	460	St	8	ASt	10	•

Observations at 18h. G.M.T. 27th

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	1004.1	-1	N'E	2	c	52	85	8	4000	StCu	4	ACu	8	•
Stornoway	1005.8	-2	NNE	2	c|PR	52	85	7	4000	CuNb	10	-	10	1
Wick	1004.6	-2	N	2	c|pr₀	50	92	8	2500	StCu	6	CiSt	8	0
Tiree	1006.6	-1	N	5	bcv	53	75	9	2500	Cu	5	-	5	3
Nairn	1004.8	•	-	0	bc|r	52	85	8	800	CuNb	7	-	7	•
Aberdeen	1003.9	-1	N'E	3	c-	53	75	8	1500	Cu	3	ACu	8	0
Malin Head	1007.0	0	N'W	4	c+	53	75	8	4000	Cu	6	ACu	8	3
Renfrew	1003.8	0	SSE	1	cr₀r₀	52	97	5	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	1003.5	0	E	1	c	52	92	8	4000	Cu	4	ASt	10	1
Leuchars	1003.4	0	NE	3	c	53	75	8	1500	St	6	ASt	10	•
Eskdalemuir	1003.1	+1	NNE	3	c	52	85	8	1500	StCu	10	-	10	•
Tynemouth	1001.5	+3	NNW	4	ojp	54	85	7	800	Nb	10	-	10	2
Blacksod Point	1008.4	0	N	3	bcv	58	65	9	•	Cu	6	-	6	3
Donaghadee	1006.0	+1	N	4	bc-	57	75	8	2600	Cu	3	-	3	3
Birr Castle	1006.4	•	NW	2	c	62	65	8	1500	Cu	9	-	9	•
Holyhead	1005.6	0	NW	1	bcv	61	65	9	4000	StCu	3	-	3	1
Liverpool (Bidston)	1004.0	0	W'N	4	bc-	60	75	8	1500	Cu	2	Ci	7	•
Chester (Sealand)	1004.3	0	NW'W	4	c	60	65	8	1500	Cu	2	ACu	8	•
Harrogate	1001.9	-1	SW	3	bc	61	75	7	-	-	0	ACu	3	•
Spurn Head	1000.4	-2	WNW	6	c	65	75	7	4000	CuNb	9	-	8	2
Birmingham (Edgbaston)	1003.9	0	NW	3	c	60	75	7	4000	StCu	3	ASt	9	•
Cranwell	1003.0	-1	WNW	3	c	65	75	7	2600	StCu	5	ASt	10	•
Gorleston	1002.0	-1	-	0	or₀r₀	64	97	6	1500	Nb	10	-	10	0
Valentia (Cahirciveen)	1008.6	+1	N'W	4	bc	59	85	8	2600	StCu	6	ACu	7	0
Roches Point	1006.7	-1	N	2	c	63	85	8	2600	StCu	9	-	9	0
Pembroke (St. Ann's H.)	1006.9	+1	~~[illegible]~~	2	crr	56	97	6	1600	StCu	10	-	10	0 WNW
Ross-on-Wye	1004.1	-1	W	2	cr₀	63	92	8	2600	Nb	6	ASt	10	•
Leafield	1003.9	-3	W'S	2	c|r	62	92	7	1500	Nb	6	ASt	10	•
Winchester (Worthy Dn.)	1004.6	-1	S	1	cr₀	62	92	7	2500	St	8	ASt	10	•
S. Farnborough	1004.4	-1	W	2	crr	63	92	7	2500	Nb	6	ASt	10	•
London (Kew Obsy.)	1004.3	-1	SW	2	c|r	64	86	7	1600	St	4	ASt	10	•
Croydon	1004.7	0	W	1	cr₀	63	97	6	1500	Nb	8	ASt	10	•
Shoeburyness	1003.8	-1	-	0	c	64	92	8	4000	StCu	10	-	10	•
Clacton-on-Sea	1003.5	-1	NW	1	cr₀	66	92	6	4000	StCu	10	-	10	1
Felixstowe	1003.3	-2	NW	1	cr₀r₀	64	92	7	800	Nb	7	ASt	10	0
Lymphe	1004.3	+1	W'S	3	cr₀r₀	64	92	6	450	Nb	10	-	10	•
Scilly (St. Mary's)	1007.9	-1	WSW	2	orr	60	97	6	2600	Nb	10	-	10	1
Falmouth (Pendennis)	1006.4	-1	-	0	cr-	61	97	8	4000	StCu	8	ASt	10	0
Plymouth (Cattewater)	1006.1	0	SW	1	c|r	62	92	7	800	Nb	9	ASt	10	0
Portland Bill	1006.0	0	WSW	3	cr	62	97	6	1500	St	9	ASt	10	0
Southampton (Calshot)	1004.9	-1	NW	1	cr₀r₀	64	92	6	1500	Nb	8	ASt	10	0
Dungeness	1004.7	-1	WSW	4	od₀	64	97	6	450	St	10	-	10	3
Guernsey (Fort George)	1007.5	+1	W	3	cr₀r₀	63	92	6	800	Nb	8	ASt	10	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 (24 hours ended 9h)	Weather Afternoon	Weather Night	Temperature Max. Day °F.	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	cc(rbd	cpr,c	cr₀(rbc	72	53	52	2	14	1.8	•	•	8
Croydon	244	cr₀bcm	ccmRR	cotRRrbc	73	53	51	3	19	1.0	•	•	6
Greenwich (Royal Obsy.)	149	cmc	cpurd	cdrrcb	73	52	50	2	14	0.7	71	69	7
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	1.1	•	•	•
Westminster (St. James' Pk.)	37	•	•	•	73	54	52	15		0.7	74	65	•
Regent's Pk. (Botanic Gdns).	188	•	•	•	•	•	•	•	•	1.3	•	•	•
Camden Square	110	co	or	•	72	53	-	3	11	•	•	72	•
Kensington Palace	80	bcz	cor	•	74	53	53	3	13	•	(At 18h 8.9)	60	•
Hampstead Observatory	450	•	•	•	71	49	39	3	12	1.9	•	69	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 28th

South Kensington Max.	Time.	Min.	Time.
1.0	10h 27th	<0.3	22h 27th

Kew Observatory Max.	Time.	Min.	Time.
0.1	9h 27th	<0.1	12h 27th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 27th 21 h 15 m. to 28th 3 h 0 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5.45	NIL	-
δ Ursae Minoris	5.45	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 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-29th July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.7 4.8	11.59 11.59	19.50 19.49
Greenwich	4.19 4.21	12.6 12.6	19.52 19.51
Wick	3.56 3.58	12.19 12.19	20.40 20.38
Valentia	4.58 5.0	12.47 12.47	20.35 20.34

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. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less 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:—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
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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

§ TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

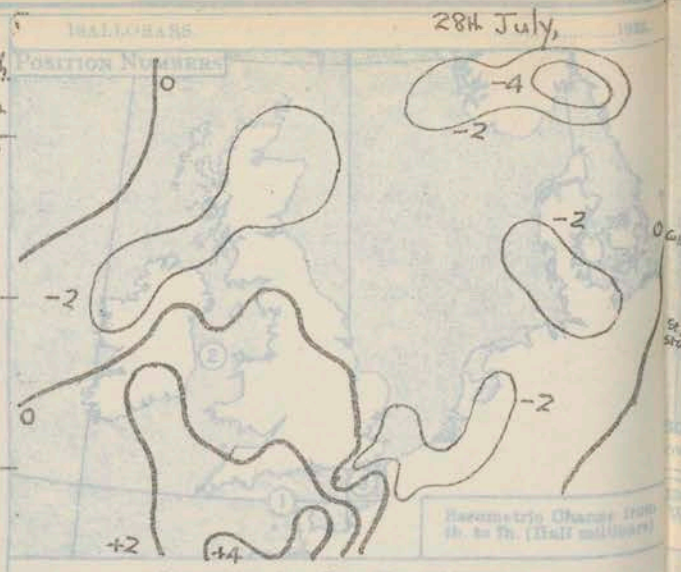
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ "
6. Moderate.	6¼ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m.	

† 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. 27th	18h.-18h. 27th	18h.-7h. 27th to 18h. 28th	1h.-7h. 28th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on Grass	RAINFALL.† Day. 7h.-18h. mm.	began.	Night. 18h.-7h. mm.	began.	SUN 27th Hours.
Lerwick	cbc	c	b	bbcc	55	47	•	–	–	–	–	6.6
Stornoway	p	p	p	r-d	57	46	•	1	11.00	1	<21.00	3.3
Wick	c	cpr.	cpr.c	c	52	44	•	0.6	16.30	0.2	<21.00	•
Tiree	cbc	bc	bc	bc	56	48	44	–	–	–	–	9.8
Nairn	cdc	cbc	bc	bc	53	45	•	1	<8.00	–	–	0.0
Aberdeen	orrm.	crr.c	c	cirbc	54	47	45	6	<8.00	1	3.30	0.0
Malin Head	cpr.c	cbcc	bcp.	bccir	56	47	•	0.1	<8.00	1	22.00	5.5
Renfrew	omicd.	crrm.	crr.	ormr.	56	48	47	11	<8.00	6	<21.00	0.0
Edinburgh (Inchkeith)	mrrc	p	corr	rrc	54	47	46	5	<8.00	9	<21.00	0.0
Leuchars	cd.r.rd.	c	c.cr.	rcc cr.	54	47	46	5	<8.00	1	1.30	0.1
Eskdalemuir	oirm.c	c	cr.r.	cr.r.c	62	44	44	2	<8.00	5	<21.00	1.3
Tynemouth	ocir	bcc	oir.	oir.	69	~~48~~ 49	46	4	<8.00	0.6	24.00	•
Blacksod Point ...	c	cbc	c	pcc	61	50	•	–	•	1	•	•
Donaghadee	bc	bc	bc	bc	59	47	•	–	–	–	–	•
Birr Castle	c	c	cpr.	c	63	40	32	–	–	Tr	<21.00	2.6
Holyhead	cr.c	cbcv	bcpr.bc	bc	62	53	49	Tr	9.00	Tr	<21.00	5.7
Liverpool (Bidston) ...	orcm.	m.c	bcbcw	cbcwv	61	52	47	0.4	<8.00	–	–	4.3
Chester (Sealand) ...	c	c	c	cbcc	66	52	46	–	–	–	–	2.9
Harrogate	cir	cbcc	c	bcc	66	47	44	Tr.	9.00	–	–	5.2
Spurn Head	cpr.	cpr	cbc	bcc	71	53	•	0.4	9.00	–	–	0.5
Birmingham (Edgbaston)	c	c	c	cb	68	50	46	–	–	–	–	0.1
Cranwell	pc	c	ccm.	cm.bb	69	51	49	Tr.	<8.00	–	–	0.0
Gorleston	or.irr	birr	or.r	or.rr	66	55	54	12	<8.00	7	<21.00	0.0
Valentia (Cahirciveen)	c	cbcvcbcv	c	cv	62	53	45	–	–	–	–	1.7
Roches Point	cid.	cp.c	cgbc	bcb	65	50	•	Tr.	<8.00	–	–	•
Pembroke (St. Ann's H.)	oifrr	cr.r.m.	cpr	bc	63	52	•	4	<8.00	1	<21.00	0.3
Ross-on-Wye	ir	cp.	crcrr	bcc	71	50	43	1	<8.00	3	<21.00	0.6
Leafield	orrpl.	orrc	crrcd.rr	orcbc	67	49	46	24	<8.00	9	<21.00	1.2
Winchester (Worthy Dn.)	crm.r.	cr.r	cr.corr	orrcbc	70	52	49	2	11.00	9	<21.00	0.8
S. Farnborough ...	cbcm.c	cpr	cirorR	oRorbc	72	51	50	0.4	14.30	13	<21.00	0.8
London (Kew Obsy.) ...	ctlrbc	cpr.c	er.cR	cRrbc	72	53	52	2	<8.00	14	<21.00	1.8
Croydon	crrbcm.r.	crrmRR	cr.corrRR	oRRr.r.bc	73	53	51	3	<8.00	19	<21.00	1.0
Shoeburyness	cr.bc	cor.	or	oRR	72	53	53	1	<8.00	28	<21.00	3.1
Clacton-on-Sea ...	cptl	copr	opc	corc	68	54	54	5	<8.00	14	<21.00	2.1
Felixstowe	crt	cr'r.	er.Rc	oRrcr.	68	54	53	3	<8.00	9	<21.00	0.8
Lympne	cpr.cm.	cmorm	ccr.ofcr.	bcorrfcr	73	53	52	Tr.	<8.00	19	22.00	2.8
Scilly (St. Mary's) ...	ocfd	coir	ofrc	cbc	67	57	•	2	3.00	5	<21.00	0.7
Falmouth (Pendennis)	cr.	cr	crm.	bcrm.	67	56	•	3	9.00	6	<21.00	0.6
Plymouth (Cattewater)	om.r.c	crrd.	corRRm	or.b	68	54	52	3	9.00	8	<21.00	0.0
Portland Bill	coff	ofrz.	cc.corrz.	orrcbc	65	53	•	7	14.30	11	<21.00	•
Southampton (Calshot)	cmpr.	cmrr.r.	coRr.m.	oRrm.cbc	71	54	52	2	12.30	20	<21.00	0.6
Dungeness	cr.bc	cbid.	dmmidc	cd.orrc	71	55	•	Tr.	<8.00	19	<21.00	
Guernsey	bccoffcm	cofefcm	ccr.oir.m.	orrc	67	58	•	0.2	17.30	6	<21.00	1.6



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Diren.	Wind. Forca.	Weather.	Temp. Air.	Temp. Sea.
2	10h 27th	Hibernia	NW	3	pr.	57	57
1	12h "	St. Helier	SW	3	Fo+	63	56

GENERAL INFERENCE.

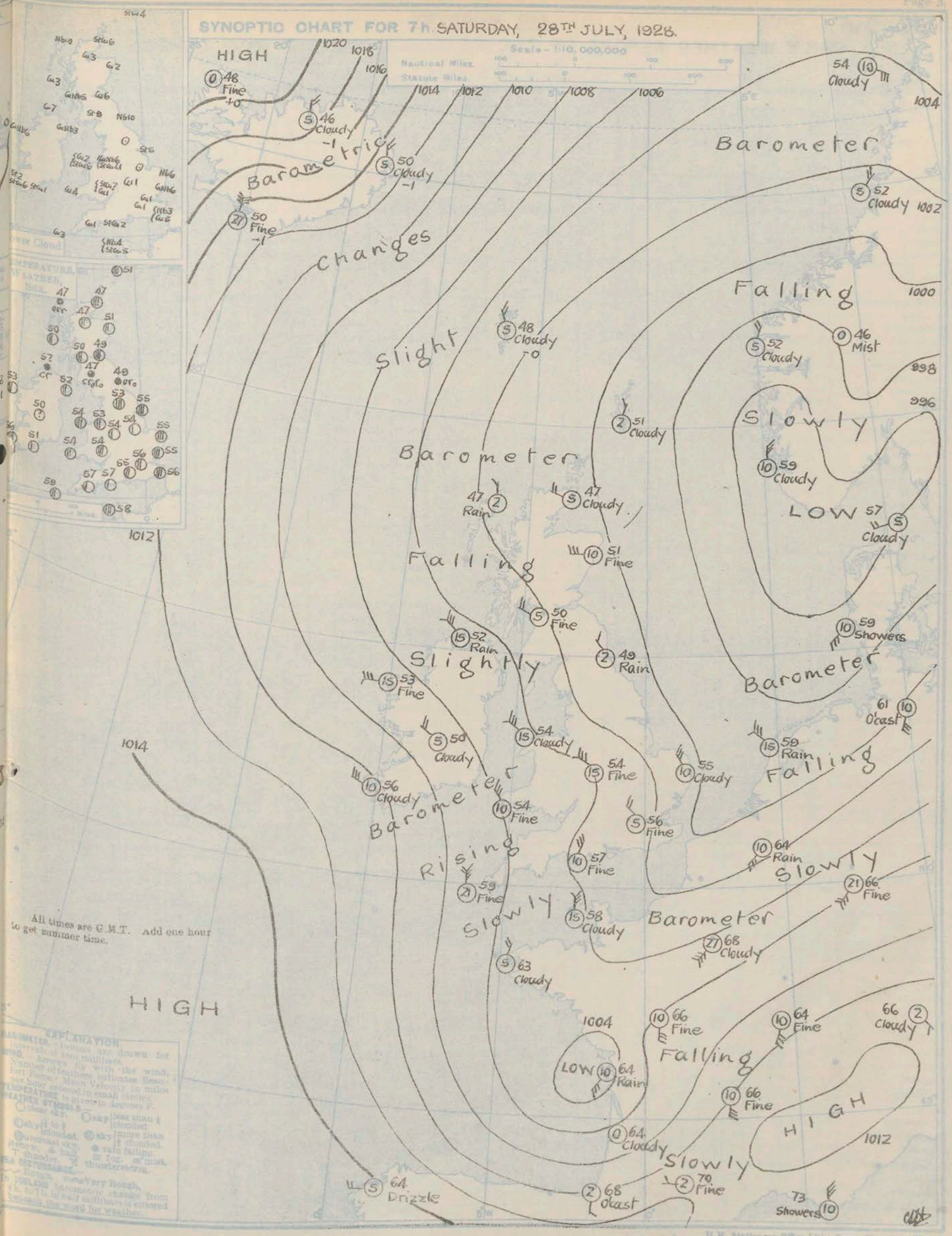
A depression centred near Denmark is moving away eastwards. Weather over the British Isles will be cloudy with bright intervals, occasional showers, northwesterly winds and a lower temperature than of late.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Saturday, 28th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Moderate northwesterly winds; cloudy and bright periods; occasional showers; cooler.	Mainly fair for a short time but then unsettled conditions spreading from the West.
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	Moderate northerly or northwesterly winds; some rain at first, cloudy with bright periods and occasional showers later; cool.	
15. N.E. Scotland 16. Orkneys and Shetlands	Moderate northerly winds; cloudy with bright periods and occasional showers; cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 - 9.	

WHP.

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

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



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

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 circle.
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. Snow. Hail. Fog. Mist. Thunder. Thunderstorm.
SEA DISTURBANCE
Rough. Very Rough.
ENGLAND barometric change from 6 h. to 7 h. in half millibars is entered towards the wind for weather.

H.M. Stationery Office Litho Press, Kingsway, W.C.1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday, 28th July, 1928. No. 210.

Stations	Height above M.S.L. in feet	Obs. at 1h. G.M.T. 28th: 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	Obs. at 7h. G.M.T. 28th: 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	Sun 0-9
Lerwick	54	1002.0	-1	N'E	1	b+	48	92	8	2500	Cu	1	-	1	999.7	-1	NNE	1	c	51	85	8	2500	StCu	4	ASt	8	*
Stornoway	30	1005.2	-2	NE	1	c/pR	*	*	6	*	*	*	*	10	1001.7	-1	N	1	orr	47	97	6	1500	Nb	10	-	10	0
Wick	31	1003.4	-2	NNW	2	bc	47	85	8	2500	StCu	4	CiSt	6	1000.9	-2	WNW	2	c	47	85	8	1500	StCu	6	ASt	10	0
Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.5	0	N'W	3	bcv	50	85	9	2500	Cu	3	ACu	5	2
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.3	*	-	0	bc-	47	92	8	2500	Cu	3	CCu	5	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.6	-2	W'N	3	bc	51	85	8	2500	Cu	2	ACu	5	0
Malin Head	81	1006.2	-2	NNW	4	bcjp	52	85	8	4000	Cu	5	-	5	1004.2	-2	NW	4	cr	52	85	8	4000	CuNb	7	ACu	8	4
Renfrew	80	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.2	-1	WNW	2	bc/r	50	92	7	2500	CuNb	5	ACu	6	*
Edinburgh (Inchkeith)	190	1002.9	-1	S	1	orr	49	92	8	800	Nb	10	-	10	1001.5	-1	W	2	c-	49	92	8	4000	Cu	6	ACu	8	1
Leuchars	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.1	-2	W	1	c-	50	85	8	5700	StCu	8	ACu	9	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.7	0	NNW	2	crr	47	85	7	4000	St	9	ASt	10	*
Tynemouth	87	1002.4	0	NNW	1	orr	50	92	6	1500	Nb	10	-	10	1001.4	0	NNW	1	orr	49	85	6	1500	Nb	10	-	10	0
Blacksod Point	18	1008.7	0	N	3	bc	53	75	7	*	StCu	7	-	7	1006.6	-2	W	4	bc	53	85	8	*	CuNb	6	-	6	4
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.5	-1	NNW	3	bc+	52	75	8	2500	CuNb	3	ACu	4	2
Birr Castle	273	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.0	*	NW	2	c	50	92	7	2500	StCu	9	*	9	*
Holyhead	26	1005.6	0	N'W	4	bc+	54	75	7	4000	StCu	7	-	7	1005.5	+1	NW	4	c+	54	75	8	2500	StCu	8	-	8	8.5
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.0	0	W'N	5	bcv+	53	75	9	1500	CuNb	6	-	6	*
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.3	0	WNW	5	c+	54	75	8	4000	Cu	8	-	8	*
Harrogate	678	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.2	-1	SW	2	c	53	75	7	-	-	0	ACu	8	*
Spurn Head	26	1001.4	+1	NW	5	bc-	55	92	7	4000	CuNb	5	-	5	1000.6	0	W	3	c	55	85	7	4000	St	5	ASt	9	1
Birmingham (Edgbaston)	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1004.2	+1	NW	4	b	54	65	8	2500	Cu	1	-	1	*
Cranwell	250	1003.0	0	W'N	3	c	55	85	6	2500	StCu	9	-	9	1002.4	0	W	3	b-	54	85	6	-	-	0	Ci	1	*
Gorleston	14	1002.1	-1	NW'N	2	ocR	60	97	6	1500	Nb	10	-	10	1000.5	0	NNW	3	c	55	91	6	2500	Nb	10	-	10	0
Valentia (Cahirciveen) ‡	30	1010.5	-1	NNW	4	c	58	92	8	*	St	8	-	8	1010.1	+1	NW'W	3	cv	56	75	9	2500	StCu	8	-	8	0
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.3	+2	N	2	b	51	85	8	4000	StCu	1	-	1	0
Pembroke (St. Ann's H.)	160	1004.7	-1	NW	2	bc-	56	85	8	1500	StCu	3	Ci	4	1005.8	+1	NNW	3	bc	54	75	8	2500	Cu	4	-	4	0
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1004.4	0	NW	3	c-	54	85	8	4000	StCu	8	-	8	*
Leafield	612	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.2	+1	NW'N	3	bc+	52	85	8	4000	StCu	2	ACu	6	*
Winchester (Worthy Dn.)	272	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.1	+1	NNW	3	bc-	55	85	7	-	-	0	Ci	3	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.9	+1	WNW	3	bc	55	85	6	1500	Cu	1	Ci	5	*
London (New Obsy.)	18	*	*	*	*	*	59	*	*	*	*	*	*	*	1002.8	+2	NNW	2	bc	56	85	6	1500	Cu	1	Ci	7	*
Croydon	244	1003.2	-3	W	2	oRR	61	97	6	1500	Nb	10	-	10	1002.7	+1	NW'N	2	c+	54	97	5	1500	St	7	Ci	8	*
Shoeburyness	21	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.5	-1	NW'N	2	crr	56	97	6	2500	StCu	8	ACu	10	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.5	-3	NW	3	c	55	97	6	4000	CuNb	6	ACu	8	1
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.2	-1	NNW	3	c/r	55	97	5	1500	Nb	10	-	10	0
Lympne	350	1003.3	-1	W'S	2	bc-	59	92	7	1500	St	7	-	7	1001.0	0	N	4	c-	54	97	6	800	St	9	-	9	*
Scilly (St. Mary's)	183	1006.7	0	N'W	4	c	59	97	7	4000	StCu	10	-	10	1007.7	+2	N	5	bcv-	59	75	9	4000	Cu	3	-	3	4
Falmouth (Pendennis)	200	1004.2	-2	NW'N	3	bcR-	59	97	6	2500	Nb	7	-	7	1005.9	+2	N'W	2	bc-	57	85	8	4000	CuNb	4	aCu	5	0
Plymouth (Cattewater)	88	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.4	+2	N	4	b	57	85	8	2500	Cu	1	-	1	0
Portland Bill	52	1002.6	-3	WSW	3	orr	61	92	6	1500	Nb	10	-	10	1003.3	+3	NNE	3	b-	57	75	8	2500	StCu	2	-	2	1
Southampton (Calshot)	10	1002.3	-5	NW	2	oRR	60	97	6	800	Nb	10	-	10	1003.2	+2	N'W	4	bc-	57	85	7	4000	StCu	3	Ci	6	0
Pungeness	20	1003.1	-1	W	2	c/fd	62	97	7	1500	StCu	8	-	8	1001.0	-3	NNE	3	dr	56	97	7	1500	StCu	8	-	8	3
Guernsey (Fort George) ‡	205	1004.0	-7	S	4	orr	62	92	4	800	Nb	10	-	10	1004.4	+3	N	4	c-	58	92	7	1500	StCu	9	-	9	4

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

Stations	Weather: Forenoon.	Weather: Afternoon.	Temperature: Min. 9h. 26th to 9h. 27th. °F.	Temperature: Max. 9h. -17h. 27th. °F.	Rainfall†: Night 17h.-9h. 26th-27th. mm.	Rainfall†: Day 9h.-17h. 27th. mm.	Sunshine: Sunrise to 17h. 27th. hr.	Sunshine: Sunrise to Sunset. 26th. hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	oR	or.o	53	57	21	2	0.0	1.9
Douglas (I. o. M.)	c	bcb	54	60	15	-	7.1	0.4
Llandudno	c.cp	cbcb	59	63	2	0.2	3.4	0.9
Colwyn Bay	cb	b	61	64	1	-	2.5	1.7
Rhyl	pbc	bcb	59	68	1	-	2.2	2.2
Wallasey	c	cbc	60	64	0.3	-	2.3	0.3
Southport	ococbc	bcb	*58	62	1	-	2.6	1.6
Blackpool	orc	pc	59	62	4	0.1	3.5	3.2
Ilkley	cpc	bc	57	67	-	1	4.1	3.2
Cleethorpes	oco	opo	57	72	-	1	0.2	7.2
Skegness	bcor	opr	60	65	1	1	0.0	9.2
Aberystwyth	opc	bcc	59	62	2	-	0.1	6.3
Bath	cR	rcbc	61	68	17	12	0.5	3.0
Cheltenham	bcorc	cpc	61	69	12	6	0.8	3.3
Leamington Spa	or	op	61	68	5	2	0.0	6.1
Lowestoft	crc	zlrc	61	65	12	22	0.1	9.7
Harwich & Dovercourt	zlrc	cbcpbc	60	69	5	Trace	1.0	7.8
Malden	zrc	oir	58	71	5	2	0.5	6.4
Southend	cm	cop	60	72	43	1	2.7	8.6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	odc	cod	60	63	18	0.2	0.1	1.6
Bude	m.c	cr	59	65	7	0.6	0.2	2.8
Penzance	cr	cr	61	67	3	0.3	0.1	3.3
Paignton	oir	o	61	68	3	7	0.0	5.3
Torquay	rpom	orpo	61	68	3	6	0.0	6.6
Jersey	dc	c	61	67	Trace	Trace	1.2	7.5
Weymouth	ocd	fpcr	60	70	0.3	3	0.0	5.5
Bournemouth	o	orrr	60	69	1	2	0.2	5.1
Ventnor	rcz	odm	58	69	1	1	1.3	5.9
Portsmouth (S'thsea)	co	od	61	70	1	Trace	0.8	7.2
Bognor	bccr	crn	50	71	1	Trace	2.4	7.5
Littlehampton	bcc	cd	66	71	0.4	Trace	2.6	9.2
Worthing	c	co	60	71	0.3	-	3.0	11.2
Brighton	cbc	bccd	60	73	Trace	Trace	2.0	9.6
Eastbourne	cbco	oid	58	70	0.3	0.2	2.7	11.6
Hastings‡	bccb	bcco	59	72	0.5	-	3.0	9.4
Folkestone	czip	coz	58	74	0.3	0.1	3.2	12.2
Dover	pcbc	bcou	59	72	0.4	Trace	2.8	12.7
Tunbridge Wells	cbcc	copo	*57	74	1	0.3	2.0	6.9
Ramsgate	cbcc	c	61	70	1	-	3.0	11.0
Margate	zpcbc	bcc	60	72	0.6	Trace	2.6	11.1
Deal	odc	co	59	72	-	Trace	3.1	11.4

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.-6h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.24356 Sunday 29th July 1928. Page 1.

Observations at 13h. 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	998.9	-1	NE	3	c	54	75	8	2500	Cu.	6	Ci.	8	•
Stornoway	1001.5	0	NNE	3	c/r	55	75	8	4000	Cu.Nb.	7	Ci.	8	•
Wick	1000.5	0	WNW	2	c/PR	49	92	8	1500	Nb.	8	A.St.	10	•
Tiree	1002.2	0	N'W	3	bcv	54	75	9	2500	Cu.	4	Ci.Cu.	5	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1000.2	0	NW	2	bc	56	65	8	2500	Cu.	6	A.Cu.	7	1
Malin Head	1003.6	0	NW	5	bc/p0	57	85	8	4000	Cu.Nb.	6	–	6	•
Renfrew	1001.4	0	WNW	2	bc/PR	54	75	8	2500	Cu.Nb.	7	–	7	1
Edinburgh (Inchkeith)	1000.3	-1	W	2	bc-	52	85	8	4000	Cu.	5	Ci.	6	•
Leuchars	1000.1	-1	WSW	2	bc	56	65	8	4000	Cu.Nb.	6	A.Cu.	7	1
Eskdalemuir	1000.8	-1	WSW	4	bc	55	55	8	2500	Cu.	7	–	7	1
Tynemouth	1001.5	0	W	1	c/r	57	65	7	1500	Cu.	8	–	8	•
Blacksod Point	1006.9	+1	N	4	bcv	58	65	9	•	Cu.	7	–	7	•
Donaghadee	1004.7	-1	NW	3	bc/PR	53	85	8	2500	Cu.Nb.	5	Ci.	6	•
Birr Castle	1005.6	•	NW	2	c/p0	56 (57)	75	7	1500	Cu.Nb.	6	Ci.	8	•
Holyhead	1005.5	0	SW'W	4	cjp	59	75	8	4000	Cu.	9	–	9	0
Liverpool (Bidston)	1004.4	+1	W	4	bcv	56	65	9	2500	Cu.	5	A.Cu.	5	•
Chester (Sealand)	1004.4	+1	WNW	5	bcv	59	55	9	2500	Cu.	6	–	6	0
Harrogate	1002.5	+1	SW	1	c/r	56	75	7	–	–	0	A.Cu.	8	•
Spurn Head	1001.1	0	NNW	5	bc	59	75	7	4000	Cu.Nb.	7	–	7	•
Birmingham (Edgbaston)	1004.7	-1	NW	4	c	60	45	8	2500	Cu.	8	–	8	0
Cranwell	1002.7	0	WNW	5	bc	63	45	7	2500	Cu.	7	–	7	0
Gorleston	1002.2	+2	W	1	bc	59	80	6	4000	Cu.	6	–	6	•
Valentia (Cahirciveen)	1010.3	0	W'N	5	bc	58	85	8	1500	St.Cu.	4	–	4	5
Roches Point	1008.9	-1	N	3	cv	59	65	9	2500	Cu.Nb.	8	–	8	•
Pembroke (St. Ann's H.)	1007.0	+1	WNW	2	bcv	58	65	9	2500	Cu.	4	–	4	•
Ross-on-Wye	1005.0	+1	NW	3	bcv	62	45	9	4000	Cu.	5	–	5	0
Leafield	1004.4	+1	NW'W	4	bcv	61	55	9	5700	Cu.	4	–	4	0
Winchester (Worthy Dn.)	1004.9	+1	WNW	4	bc	65	45	8	4000	Cu.	4	–	4	0
S. Farnborough	1004.3	+1	W	4	bc	68	45	8	4000	Cu.	7	–	7	0
London (Kew Obsy.)	1004.7	+1	WNW	3	bc	62	45	8	2500	Cu.	5	–	5	1
Croydon	1004.7	+1	NW'W	3	bc	62	55	7	4000	St.Cu.	7	–	7	2
Shoeburyness	1003.6	+3	WNW	1	bc	63	65	7	2500	Cu.	6	–	6	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1003.1	+1	NW'W	3	c	65	55	8	2500	Cu.	8	–	8	1
Lympne	1003.5	+1	NW	3	bc	64	55	7	4000	Cu.	7	–	7	1
Scilly (St. Mary's)	1007.8	+2	NW	4	bc	64	55	8	4000	Cu.	4	–	4	•
Falmouth (Pendennis)	1008.5	+2	NW'N	4	vbc-	61	55	9	4000	Cu.	3	A.Cu.	4	•
Plymouth (Cattewater)	1007.5	+2	N	4	b-	61	45	8	4000	Cu.	1	–	1	1
Portland Bill	1005.4	+1	W	3	bc-	65	55	8	2500	Cu.	3	A.Cu.	4	•
Southampton (Calshot)	1005.3	+1	NW'W	3	bc	65	55	8	4000	Cu.	4	–	4	0
Dungeness	1003.6	+3	N	3	c+	67	65	7	2500	Cu.	9	–	9	•
Guernsey (Fort George)	1007.4	+2	NNW	3	bc+	63	75	8	2500	Cu.	3	Ci.Cu.	4	•

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	Sea. 0-9
Lerwick	998.6	-1	N	3	c	53	65	8	2500	Cu.	4	A.Cu.	9	•
Stornoway	1001.1	-1	NNE	2	cv	54	75	9	4000	Cu.Nb.	7	A.Cu.	8	1
Wick	1001.0	0	WNW	2	c	50	75	8	2500	St.Cu.	6	Ci.St.	8	0
Tiree	1002.2	0	N'W	4	bcv	55	75	9	2500	Cu.	3	A.Cu.	1	2
Nairn	1000.2	•	–	0	c+	55	65	8	800	Cu.Nb.	8	–	8	•
Aberdeen	1000.2	0	W	2	cr0	51	85	8	2500	Nb.	6	A.St.	9	0
Malin Head	1003.8	0	NW'N	5	bcjp	54	75	8	4000	Cu.Nb.	7	A.Cu.	7	4
Renfrew	1001.0	0	WNW	2	c/p0	53	85	8	2500	Cu.Nb.	8	–	8	•
Edinburgh (Inchkeith)	1000.7	-1	WSW	1	bc	55	75	7	4000	Cu.	3	Ci.Cu.	5	0
Leuchars	1000.0	-1	–	0	c	54	75	8	5700 (4000)	Cu.Nb.	7	Ci.St.	9	•
Eskdalemuir	1000.5	-1	W	2	bc	52	75	8	4000	Cu.Nb.	5	Ci.	7	•
Tynemouth	1001.1	0	NNW	1	cjp	54	75	7	1500	Nb.	8	–	8	0
Blacksod Point	1007.4	0	NW	4	bc	56	75	8	•	Cu.Nb.	7	–	7	4
Donaghadee	1004.7	0	NW	2	c/PR	52	75	9	1500	Cu.Nb.	7	Ci.Cu.	8	1
Birr Castle	1005.8	•	NW	3	bc-	59	75	8	1500	Cu.Nb.	7	–	7	•
Holyhead	1005.0	-1	W	3	c/p0	54	75	8	1500	Cu.Nb.	8	–	8	1
Liverpool (Bidston)	1003.3	-1	W	5	CRHRH	52	92	7	450	Cu.Nb.	9	A.Cu.	9	•
Chester (Sealand)	1004.1	0	W'N	3	cR	54	85	7	1500	St.	10	–	10	•
Harrogate	1002.7	0	SW	3	cr	52	85	8	–	–	0	A.St.	9	•
Spurn Head	1001.8	+1	SE	2	bc	57	85	7	4000	Cu.Nb.	4	A.Cu.	7	0
Birmingham (Edgbaston)	1004.4	0	W	4	bc	64	45	8	2500	St.Cu.	3	–	3	•
Cranwell	1003.4	0	W	4	bc-	62	55	8	2500	Cu.	3	–	3	•
Gorleston	1002.4	0	W'N	2	bc	63	55	6	5700	Cu.	4	–	4	0
Valentia (Cahirciveen)	1010.1	0	NW	4	bc⊕	59 (57)	65	8	2500	St.Cu.	4	Ci.St.	6	0
Roches Point	1008.2	0	NW	3	c	58	85	8	1500	Cu.Nb.	7	Ci.Cu.	8	0
Pembroke (St. Ann's H.)	1005.6	-3	W	5	cr0r0	56	85	7	800	Cu.Nb.	6	A.Cu.	8	4
Ross-on-Wye	1005.0	0	W'N	3	bc	61	55	8	4000	Cu.	4	–	4	•
Leafield	1004.6	0	WNW	3	vbc-	61	55	9	5700	Cu.	3	–	3	•
Winchester (Worthy Dn.)	1005.1	0	W	3	bc	63	45	8	4000	Cu.	5	–	5	•
S. Farnborough	1004.3	0	W	3	bc-	66	45	8	4000	Cu.	2	A.Cu.	3	•
London (Kew Obsy.)	1004.6	0	WNW	3	bc	67	35	8	4000	Cu.	3	–	3	•
Croydon	1004.4	-1	WNW	3	bc-	64	45	8	5700	Cu.	3	–	3	•
Shoeburyness	1004.0	+1	WNW	1	bc	64	65	7	4000	Cu.	2	Ci.	3	•
Clacton-on-Sea	1003.9	0	W	4	bc	65	45	7	4000	Cu.	5	–	5	1
Felixstowe	1003.7	+1	WNW	3	bcv	65	45	9	4000	Cu.	4	–	4	3
Lympne	1004.4	+1	WNW	3	bc-	63	45	7	4000	Cu.	2	Ci.	3	•
Scilly (St. Mary's)	1009.9	0	WNW	5	bcv	62	65	9	4000	Cu.	6	–	6	4
Falmouth (Pendennis)	1009.3	+1	NW	4	bcv	59	55	9	4000	Cu.	4	–	4	0
Plymouth (Cattewater)	1008.5	+2	NW	4	bcv	60	55	9	4000	Cu.	3	–	3	0
Portland Bill	1005.6	0	W	4	bc	62	55	8	2500	Cu.	3	–	3	0
Southampton (Calshot)	1005.1	0	WNW	4	bc-	65	45	8	5700	Cu.	2	Ci.St.	3	0
Dungeness	1004.1	+1	NNW	3	bc-	66	65	8	2500	Cu.	3	A.Cu.	5	2
Guernsey (Fort George)	1008.0	+1	WNW	4	vbc	61	65	9	2500	Cu.	3	A.Cu.	4	5

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 8h.)	Temp. Max. Day °F.	Temp. Min. Night °F.	Temp. Min. on Grass °F.	Rainfall† mm. Day	Rainfall† mm. Night	Sunshine to Sunset hrs.	Humidity 18h. G.M.T. % (Yesterday)	Humidity 8h. G.M.T. % (To-day)	Visibility 8h
Kew	18	bbcy	bcy	bcybw	67	50	44	–	–	11.8	•	•	•
Croydon	244	cbcy	bcyb	bcybw	66	50	46	–	–	10.8	•	•	•
Greenwich (Royal Obsy.)	149	bbccq	cb ccq	cbcbbcq	71	49	40	–	–	11.0	43	52	8
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	12.7	•	•	•
Westminster (St. James' Pk.)	97	•	•	•	67	50	44	–	–	12.4	46	64	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	13.5	•	•	•
Camden Square	110	be	b	•	69	50	±	–	–	•	•	62	•
Kensington Palace	80	bc	bc	•	67	50	44	–	–	•	(At 18h) 41	60	•
Hampstead Observatory	450	•	•	•						12.6	•		•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 29th.

South Kensington			
Max.	Time.	Min.	Time.
<0.3 whole period			

Kew Observatory			
Max.	Time.	Min.	Time.
<0.1 throughout			

POLE STAR RECORD at Greenwich Obsy.

Exposure from 28th 21h. 00m. to 29th 3h. 15m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	6.15	6.10	99
δ Ursae Minoris	6.15	6.10	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 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. 29th + 30th July, 1928.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.09 4.10	11.59 11.59	19.49 19.47
Greenwich	4.21 4.22	12.06 12.06	19.51 19.49
Wick	3.58 4.00	12.19 12.19	20.38 20.36
Valentia	5.00 5.01	12.47 12.47	20.34 20.32

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—2000 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, 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.

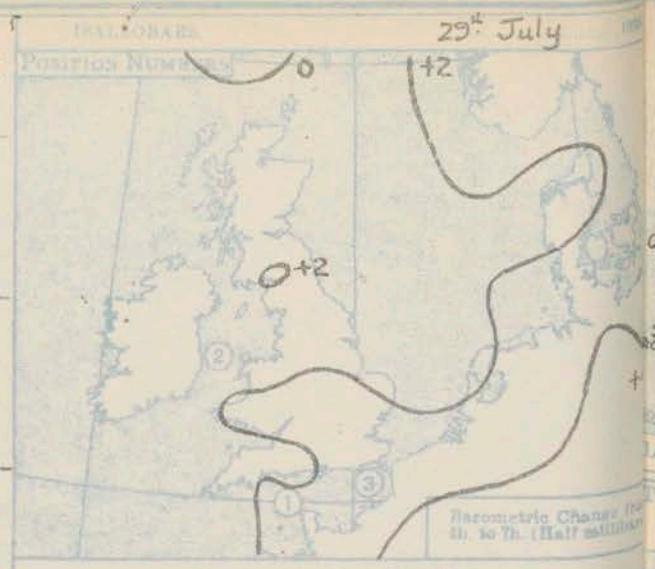
Code	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2½ „
6. Moderate.	6¼ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

† 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. 29th	18h.-18h. 29th	18h. 29th to 1h. 29th	1h.-7h. 29th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on Grass	RAINFALL.† Day. 7h.-18h. mm	began.	Night. 18h.-7h. mm.	began.	SUN 28th Hours.
Lerwick	c	c	cip₀	cbc	55	47	•	–	–	0·4	21·00	6·3
Stornoway	r-d	c	p	p	56	43	•	1	18·00	3	21·00	4·4
Wick	crrpr	cprc	c	cpr₀c	51	44	•	2	18·00	0·1	4·30	•
Tiree	bc	bc	bc	bc	56	49	45	–	–	–	–	11·5
Nairn	bcpr₀c	cpr₀c	cpr₀c	c	57	46	•	1	11·00	0·2	21·00	4·0
Aberdeen	bcpr₀bc	cirir₀	cirir₀	c	58	44	42	12	9·00	0·4	21·00	4·8
Malin Head	cPRbcpr₀	bcpr₀	bcprbcpr₀	bcPR	57	48	•	2	18·00	2	22·00	6·7
Renfrew	cp₀P₀	Pth₀	cp₀c	c	59	44	38	7	9·00	Tr.	21·00	8·0
Edinburgh (Inchkeith)	cbc	p	b-bc	b-bc	56	46	43	1	18·00	–	–	6·4
Leuchars	cprbc	bccprtc	c	cw	60	42	36	1	9·00	–	–	4·9
Eskdalemuir	cprbcy	cprbcyvb	bcprbcc	bcc	59	40	35	1	18·00	0·5	21·00	5·4
Tynemouth	cir₀	cir	cir₀	bc	59	48	43	2	18·00	1	21·00	•
Blacksod Point ...	c	p₀c	PP	Pbc	59	49	•	0·4	•	3	1·30	•
Donaghadee	bcPR	ctir₀	bcpr₀	pr₀bc	57	46	•	5	11·00	1	24·00	•
Birr Castle	cpr₀	cprbc	bc	bc	59	45	37	3	11·00	–	–	5·7
Holyhead	cpr₀bc	kcPRRc	cpr₀bcb	bbcc	60	52	49	4	18·00	Tr.	21·00	5·8
Liverpool (Bidston) ...	bccv	bccr₀	RNP	cPpc	59	48	46	1	15·30	10	21·00	7·9
Chester (Sealand) ...	cbcjpy	cv₀cir	cRbccr	crc	61	48	42	1	15·30	3	21·00	7·8
Harrogate	cir₀	c	cipr	cipr	61	43	40	Tr.	9·00	0·2	21·00	6·2
Spurn Head	cbc	bccpr₀	cprbc	bc	61	50	•	Tr.	14·30	0·2	22·00	5·9
Birmingham (Edgbaston)	bcc	cbc	bccp₀p	cbc	65	44	42	–	–	Tr.	21·00	11·3
Cranwell	c	c	cb	bbc	65	45	43	–	–	–	–	12·1
Gorleston	cbc	bc	bbc	bc	66	49	47	–	–	–	–	7·3
Valentia (Cahirciveen)	bcvp₀	bcPc	bc	~~bcp~~ bcp	60	53	49	2	12·30	0·4	21·00	8·5
Roches Point	bbccv	cp₀c	cbcv	bcb	63	52	•	0·1	13·30	–	–	•
Pembroke (St. Ann's H.)	bc	bc	cbcp₀	bcc p₀	59	53	•	Tr.	17·30	Tr.	21·00	12·2
Ross-on-Wye	bcv	bcvy	bccp₀bc	cbcwc	66	47	43	–	–	Tr.	21·00	9·5
Leafield	cbc	bcyv	bcw	bc	64	45	42	–	–	–	–	12·4
Winchester (Worthy Dn)	bcy	bcy	bcyb	bbc	68	45	36	–	–	–	–	12·9
S. Farnborough ...	bcy	bcy	bcyb	b	68	44	33	–	–	–	–	12·4
London (Kew Obsy.) ...	bbcy	bcy	bcyb	bwv	67	50	44	–	–	–	–	11·8
Croydon	cbbcm₀y	bcyb	bcybw	bw	66	50	46	–	–	–	–	10·8
Shoeburyness	orc	cbc	bc	bcw	68	49	39	0·1	18·00	–	–	9·2
Clacton-on-Sea ...	cbcy	bcy	bcb	bbc	67	51	46	–	–	–	–	10·0
Felixstowe	c	bcy	bc	bc	67	50	48	–	–	–	–	9·2
Lympne	cbcm₀bc	bcc	bcb	bbccv	66	45	38	–	–	–	–	9·7
Scilly (St. Mary's) ...	bc	bc	bcpq	bc	64	54	•	–	–	1	24·00	13·5
Falmouth (Pendennis)	bcv	bcv	bcpr	bccbc	62	55	•	–	–	Tr.	22·00	12·7
Plymouth (Cattewater)	bcyvb	bcyb	bcybcpr	bcrb	63	52	49	–	–	1	24·00	12·9
Portland Bill	bbc	bcv	bcbbcv	bccv	67	57	•	–	–	–	–	•
Southampton (Calshot)	b-bc	bcy	bcyb	bcw	68	50	46	–	–	Tr.	–	13·1
Dungeness	cbcc	cbbc	bc	bcbc	70	54	•	–	–	–	–	•
Guernsey	cbcb	bcv	cbccv	bbccprbn	65	54	•	–	–	4	–	11·5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
1	28th ~~24h~~ 12h	St. Julien	NE	4	bc	62	60
2	• 10h	Hibernia	NW	6	c	54	56
3	29th 1h	Dieppe	NW	3	bc	59	60

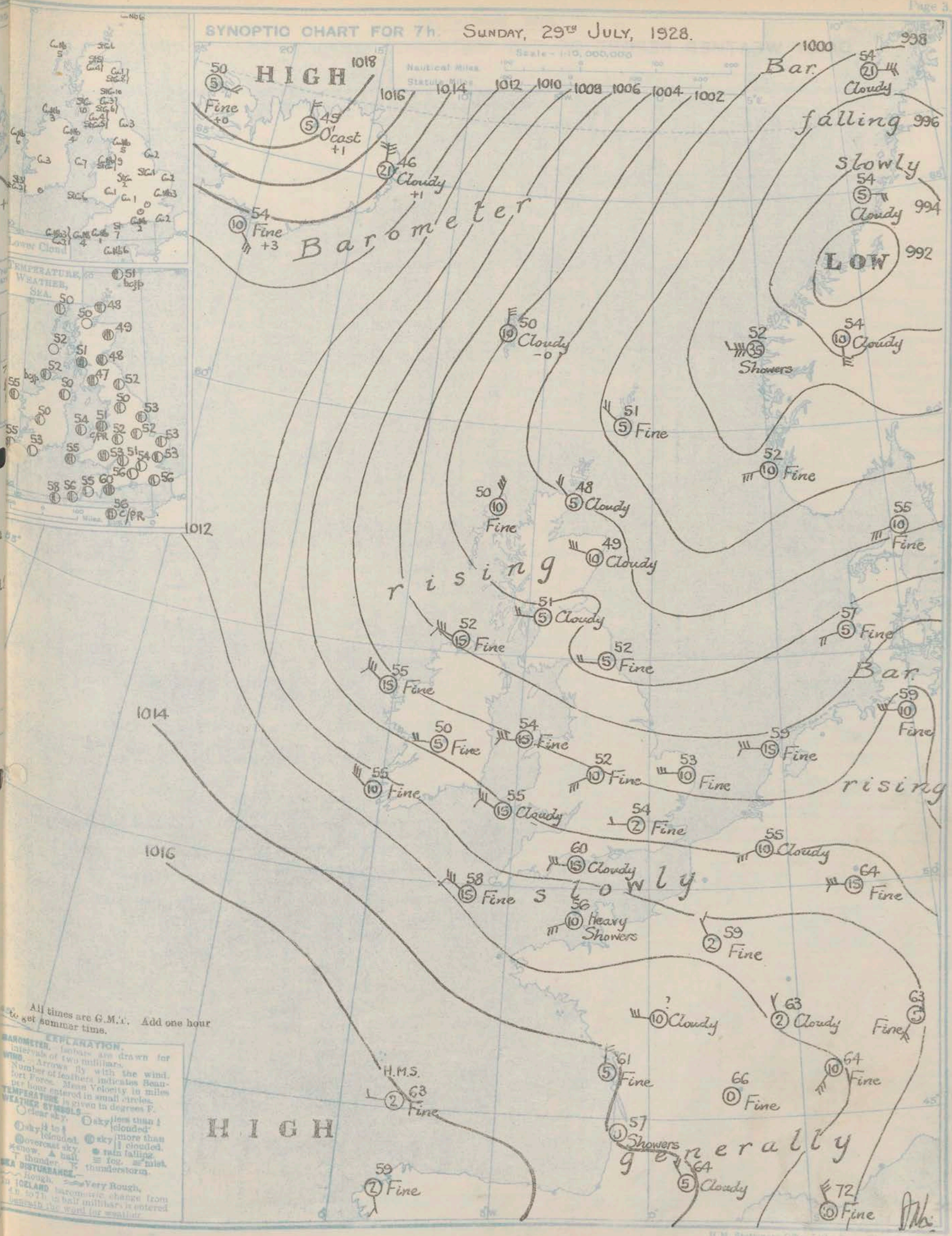
GENERAL INFERENCE.

A depression over Central Norway is beginning to fill up as it moves slowly northeast, and in its rear a ridge of high pressure is moving in towards the British Isles from the Atlantic. In the northern half of the kingdom weather will be cool and showery, but in the South mainly fair and rather cool conditions will prevail.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Sunday, 29th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind west, veering northwest, light or moderate, variable skies, long bright intervals; perhaps a few scattered showers; rather cool.	After an interval of mainly fair weather, unsettled conditions will spread in from the West.
5. S.W. England 6. South Wales	Wind N.W., light or moderate; considerable bright periods; a few local showers; rather cool.	
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 N.W., light to moderate; local showers; bright intervals; cool.	
13. A. W. Scotland B. NW. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Wind N. to N.W., light to moderate; backing slowly; showery, then improving; cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N.W., light, becoming variable; mainly fine at first; more cloud later; rather low to moderate temperature.	

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 was taken, but amount less than 0·1 mm.



H.M. Stationery Office Litho Press, Glasgow.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Sunday, 29th July.....1928. No. 211

Stations	Height above M.S.L. in feet	Obs. at 1h. G.M.T. 29th: 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. 29th: 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	64	9965	0	NW	2	c/p	49	85	8	1500	CuNb	5	Ast	10	9974	0	NW	2	bc/p	51	75	8	2500	CuNb	6	Ci	7	•
Stornoway	30	10023	0	NNE	1	c/PR	•	•	6	•	•	•	•	10	10006	0	NNE	3	bc-	50	85	8	4000	CuNb	5	Acu	6	2
Wick	61	10003	0	NW	2	c	46	92	8	2500	Stcu	6	Ci St	8	10000	0	NW	2	c	48	92	8	2500	Stcu	6	CiSt	8	0
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•	10027	+1	N	3	bc	52	75	9	1500	Cu	4	Acu	5	1
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	10006	•	-	0	c-	50	85	8	800	Sb	9	-	9	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	10006		WNW	3	c+	49	85	8	2500	Stcu	9	-	9	0
Malin Head	51	10040	0	NW	3	bc/p	51	85	8	4000	CuNb	3	-	3	10035	+1	NW	4	bc/p	52	85	8	4000	CuNb	3	CiCu	7	4
Renfrew	36	•	•	•	•	•	•	•	•	•	•	•	•	•	10021	+1	W	2	c	51	85	8	4000	Stcu	10	-	10	•
Edinburgh (Inchkeith)	190	10009	0	WSW	2	bc-	48	92	8	1500	St	1	Acu	3	10023	+1	WSW	2	c-	48	92	8	4000	Stcu	9	-	9	0
Leuchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•	10005	+1	WNW	3	c	50	75	9	7200	Stcu	10	-	10	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	10019	+2	WSW	3	c	47	85	8	2500	Stcu	9	-	9	•
Tynemouth	87	10014	0	W	2	bc/r	49	85	7	1500	Cu	3	-	3	10016	+1	W	2	bc	52	85	7	1500	Cu	3	Ci	4	0
Blacksod Point ...	18	10078	0	NW	4	c/PR	55	97	6	•	Nb	10	-	10	10072	+1	NW	4	bc	55	65	8	•	CuNb	6	-	6	4
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•	10048	+1	WNW	3	bc-	50	85	8	2500	CuNb	4	Ci	6	2
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	10073	•	W	2	bc-	50	92	7	1500	Cu	3	CiCu	6	•
Holyhead	20	10055	0	NNW	5	b	54	85	8	2500	Cu	1	-	1	10060	+1	W'N	4	bc-	54	75	8	1500	Cu	7	CiSt	7	4
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	10046	+1	W	4	c/PR	51	85	7	1500	CuNb	9	-	9	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	10050	+1	WSW	3	bc-	53	75	9	2500	CuNb	4	Ci	7	•
Harrogate	478	•	•	WSW	•	•	•	•	•	•	•	•	•	•	10030	0	SW	3	bc	50	85	8	4000	CuNb	5	Ci	7	•
Spurn Head	29	10024	0	~~SSW~~	4	bc-	52	92	7	4000	Nb	4	-	4	10027	+1	WSW	5	bc	53	85	7	4000	Cu	2	CiSt	5	2
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•	10067	+2	WSW	3	bc	52	75	8	4000	Stcu	2	CiSt	5	•
Cranwell	238	10044	+1	WSW	3	b-	49	92	7	4000	Stcu	1	-	1	10055	+1	WSW	4	bc+	52	85	8	4000	Stcu	1	Ci	7	•
Gorleston	14	10041	+1	WSW	1	bc	53	75	7	4000	Cu	4	-	4	10051	+1	W	3	bc	53	85	6	4000	Cu	2	Ci	8	0
Valentia (Cahirciveen)P	30	10119	0	NNW	3	c	55	85	9	-	CuNb	8	-	8	10112	+1	NW	3	bc	55	75	8	2500	St	5	-	5	0
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•	10104	+1	N	2	b	63	85	8	-	-	0	CiCu	2	0
Pembroke (St. Ann's H.)	160	10071	+1	NW	4	bc	56	75	8	1500	Stcu	5	Ast	7	10083	+2	NW	4	c+	55	75	8	1500	Stcu	6	Acu	8	2
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	10074	+1	WSW	2	c	53	75	8	4000	Cu	1	Acu	8	•
Leafield	812	•	•	•	•	•	•	•	•	•	•	•	•	•	10073	+2	SWW	3	bc	51	85	8	2500	Cu	1	Ci	3	•
Winchester (Worthy Dn.)	272	•	•	•	•	•	•	•	•	•	•	•	•	•	10083	+2	W'S	3	bc	54	75	8	5700	Stcu	3	Ci	5	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•	10077	+2	W	3	b	56	75	8	-	-	0	Ci	1	•
London (Kew Obsy.) ...	18	•	•	•	•	•	53	•	•	•	•	•	•	•	10079	+3	W	1	b	54	75	9	-	-	0	Acu	1	•
Croydon	244	10064	+1	W'S	3	b-	51	85	8	4000	Stcu	1	-	1	10077	+2	W	3	b+	54	75	8	4000	Stcu	1	Ci	2	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	10073	+2	WNW	1	bc	56	85	6	-	-	0	CiCu	6	•
Clacton-on-Sea ...	64	•	•	•	•	•	•	•	•	•	•	•	•	•	10066	+2	W	3	bc	53	85	7	2500	CuNb	3	Ci	6	2
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•	10066	+2	W	3	bc	54	75	8	2500	Cu	1	Ci	3	3
Lympne	350	10062	+1	NW	3	b	48	85	8	-	-	0	-	0	10076	+2	WNW	2	c-	51	85	9	7200	Stcu	1	Ci	8	•
Scilly (St. Mary's) ...	163	10104	0	NW	4	bc	56	85	9	4000	Cu	5	-	5	10118	+1	NW	4	bc	58	65	7	4000	CuNb	5	-	5	4
Falmouth (Pendennis)	300	10093	+1	WNW	4	bc/p6	55	92	8	4000	CuNb	5	Acu	6	10103	+1	W	2	bc-	56	85	8	4000	CuNb	4	Acu	6	0
Plymouth (Cattewater)	68	•	•	•	•	•	•	•	•	•	•	•	•	•	10101	+2	NW	2	b	55	75	8	2500	CuNb	1	CiCu	2	0
Portland Bill	82	10075	0	W'S	4	bc+	58	75	8	2500	Stcu	6	-	6	10085	+1	W	4	c	60	65	8	2500	St	7	Acu	8	1
Southampton (Calshot)	10	10073	0	W	4	bc+	52	75	8	4000	Stcu	1	Ci	4	10084	+2	WNW	3	bc	53	75	8	4000	CuNb	2	Acu	7	0
Dungeness	30	10064	+2	WNW	2	bc	50	97	8	4000	Stcu	5	-	5	10078	+3	WNW	2	bc	56	85	8	4000	Cu	2	CiCu	5	1
Guernsey (Fort George) P	205	10100	0	W	1	bc+	56	75	9	4000	Stcu	6	-	6	10107	+2	W'S	3	c/pR	56	92	8	1500	CuNb	6	Acu	8	3

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 27th to 9h. 28th.	Temperature. Max. 9h.-17h. 28th	Rainfall.† Night 17h.-9h. 27th-28th	Rainfall.† Day 9h.-17h. 28th	Sunshine. Sunrise to 17h. 28th.	Sunshine. Sunrise to Sunset. 27th.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			°F.	°F.	mm.	mm.	hr.	hr.
Berwick-on-Tweed	cPR	PR	48	56	4	10	2.6	0.0
Douglas (I. o. M.) ...	cp	cp	49	60	-	1	7.1	9.5
Llandudno ...	bc	bcpr	52	61	-	3	7.2	5.9
Colwyn Bay ...	b	bcpcp	52	61	-	3	5.9	5.2
Rhyl	bc	crc	53	62	-	1	8.3	5.2
Wallasey	bcb	bbcr	53	63	-	2	7.6	4.6
Southport	ocbc	bcco	* 53	61	1	-	8.1	4.6
Blackpool	cp	cpo	53	61	0.1	0.4	5.0	4.9
Ilkley	bc	bc	48	64	-	?	8.8	5.6
Cleethorpes	c	c	50	65	-	-	4.0	0.2
Skegness	cprbcc	bcc	53	66	1	-	7.5	0.0
Aberystwyth ...	bc	bcc	54	62	-	-	10.1	1.3
Bath	bc	bc	51	66	10	-	9.0	0.5
Cheltenham ...	bcy	byv	50	67	4	-	8.1	0.8
Leamington Spa ...	c	c	50	66	1	-	9.1	0.0
Lowestoft	cbc	bc	54	65	9	?	5.9	0.1
Harwich & Dovercourt	cr	bc	54	67	11	?	6.8	1.0
Maldon	bc	bc	54	67	14	-	6.6	0.5
Southend	cbc	bc	53	69	30	-	8.6	2.7

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	bccb	b	56	62	6	-	10.1	0.1
Bude	bc	bc	50	61	7	-	11.7	0.2
Penzance	b	b	56	69	7	-	10.9	0.1
Paignton	crpbc	by	54	68	11	-	10.9	0.0
Torquay	bc	by	54	68	14	-	11.0	0.0
Jersey	rcbc	bc	59	67	7	-	8.6	1.2
Weymouth	b	by	54	68	20	-	10.7	0.0
Bournemouth ...	b	b	51	67	17	-	12.0	0.2
Ventnor ...	rb	bbc	52	66	?	-	10.1	1.3
Portsmouth (S'thsea)	b	b	54	69	17	-	10.9	0.8
Bognor	bbcb	bbc	52	68	33	-	10.5	2.4
Littlehampton ...	b	bc	53	68	31	-	11.0	2.6
Worthing	bc	bc	52	66	33	-	10.6	3.0
Brighton	bc	bcbbc	54	70	21	-	9.9	2.0
Eastbourne	bc	bcbcy	55	68	16	-	7.2	2.7
Hastings	bc	bcbbc	54	68	13	-	9.9	3.0
Folkestone	rocbc	bcc	55	68	18	-	7.3	3.2
Dover	bc	bcc	55	67	16	-	6.3	2.8
Tunbridge Wells ...	bcc	bcb	52	68	14	-	8.5	2.0
Ramsgate	cbc	bc	55	67	11	-	7.3	3.0
Margate	crcbc	bc	55	66	11	-	6.9	2.6
Deal	rocbc	bc	55	68	15	-	5.3	3.1

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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. ♦ 17h.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 24357. Monday 30th July 1928.

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	Cloud. Upper Form	Cloud. Total Amt. 0-10	State of ground.
Lerwick	996.8	-1	WNW	3	c	55	65	8	1500	Cu	8	CiSt	9	•
Stornoway	1002.0	+1	NNE	3	bc	56	65	8	4000	Cu	5	aCu	7	•
Wick	1001.4	+1	NW	2	c	55	97	8	2500	StCu	6	CiSt	8	•
Tiree	1004.3	+2	N'W	3	bc-	56	75	9	2500	Cu	3	CiCu	4	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1001.8	+2	SE	2	bc/pr.	53	75	7	2500	CuNb	5	-	5	1
Malin Head	1005.5	+2	NW	4	c/pr.	55	85	8	4000	CuNb	6	Ci	8	•
Renfrew	1003.0	+1	W	2	c/pr.	59	65	9	4000	Cu	7	-	7	1
Edinburgh (Inchkeith)	1003.1	+1	WSW	3	bc	56	65	8	4000	Cu	5	CiCu	7	•
Leuchars	1001.4	0	W	2	c+	60	55	9	4000	CuNb	7	Ci	8	0
Eskdalemuir	1002.3	+1	NW'W	4	bc/p	57	55	8	4000	Cu	5	Ci	6	1
Tynemouth	1003.2	+2	N	2	bc/p	56	65	8	800	CuNb	6	-	6	•
Blacksod Point	1008.3	+1	NW	4	bc	59	65	9	•	Cu	6	-	6	•
Donaghadee	1005.6	+1	NW	3	bc/pr.	60	65	8	2500	CuNb	4	Ci	6	•
Birr Castle	1007.8	•	WNW	3	bc	60	55	8	1500	CuNb	5	-	5	•
Holyhead	1007.6	+2	WSW	4	bc+	60	65	8	4000	Cu	6	-	6	0
Liverpool (Bidston)	1006.7	+2	W	5	bc+	57	65	9	1500	CuNb	7	-	7	•
Chester (Sealand)	1006.8	+2	W	5	c/PR	60	55	9	2500	CuNb	8	-	8	1
Hull	1005.3	+1	SW	4	c/r	57	75	8	4000	Cu	8	-	8	•
Spurn Head	1004.5	+2	W	6	bc	59	65	7	4000	CuNb	4	aCu	7	•
Birmingham (Edgbaston)	1007.8	+1	WSW	4	c	60	55	8	2500	Cu	8	-	8	1
Cranwell	1007.3	+1	SW	4	bc/r	57	85	8	2500	Cu	5	aCu	7	0
Gorleston	1006.5	+1	WSW	4	bc+	63	92	7	2500	Cu	7	-	7	•
Valentia (Cahirciveen)	1011.7	0	W	3	cd.	57	85	9	2500	Cu	2	aCu	8	5
Roches Point	1011.3	+1	NW	2	c/pr.	62	65	9	1500	CuNb	8	-	8	•
Pembroke (St. Ann's H.)	1009.7	+2	W'S	4	bc-	58	75	8	1500	Cu	4	CiSt	5	0
Ross-on-Wye	1008.1	+2	W'S	4	bc	64	55	9	4000	Cu	5	-	5	0
Leafield	1008.2	+1	W	4	bc+	63	55	9	4000	Cu	7	-	7	0
Winchester (Worthy Dn.)	1009.7	+1	SW	4	c/pr.	61	45	8	4000	Cu	8	-	8	5
S. Farnborough	1008.8	+1	W	4	c	68	35	8	4000	Cu	8	-	8	0
London (Kew Obsy.)	1008.8	+1	W	4	bc	64	35	9	4000	Cu	5	-	5	0
Croydon	1009.0	+1	W'S	4	bc-	65	45	8	4000	Cu	6	-	6	0
Shoeburyness	1008.4	+1	WSW	3	bc	66	55	7	4000	Cu	6	-	6	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1008.0	+1	W	3	bc/r	66	45	9	2500	Cu	5	Ci	6	1
Lympne	1009.4	+2	SW	4	bc/r	58	65	9	2500	StCu	6	-	6	0
Scilly (St. Mary's)	1013.0	+2	WNW	4	bc	64	65	9	4000	Cu	3	aCu	5	•
Falmouth (Pendennis)	1012.6	+1	WNW	4	bc	65	55	8	4000	Cu	4	CiCu	5	•
Plymouth (Cattewater)	1011.6	+1	WNW	3	bc/pr.	60	55	8	2500	Cu	5	-	5	1
[illegible] and Hill	1010.4	+2	WSW	4	bc-	60	65	8	2500	StCu	6	-	6	•
Southampton (Calshot)	1010.3	+2	SW	4	c	65	55	8	2500	CuNb	9	-	9	1
Dungeness	1010.2	+3	W	3	c tl	59	92	8	4000	CuNb	8	-	8	•
Guernsey (Fort George)	1013.2	+2	W	4	bc-	60	65	9	~~4000~~ 2500	Cu	3	aCu	5	•

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	Cloud. Upper Form	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	994.6	-3	SW	3	c r pr.	49	85	7	1500	Nb	6	aSt	9	•
Stornoway	1002.7	+1	N	3	c+	53	75	8	4000	CuNb	10	-	10	2
Wick	1000.8	0	WNW	2	c	52	65	8	2500	StCu	4	CiSt	9	0
Tiree	1005.2	+1	N'W	3	bc-	55	75	9	2500	Cu	3	-	3	0
Nairn	1002.1	•	WNW	1	bc/r	55	75	8	800	CuNb	7	-	7	•
Aberdeen	1002.4	+1	SSW	1	c r	51	85	7	2500	CuNb	7	aCu	9	0
Malin Head	1006.7	+1	WNW	5	bc/p	53	75	8	4000	CuNb	7	-	7	4
Renfrew	1004.0	+1	W	4	c	56	65	9	4000	Cu	6	Ci	8	•
Edinburgh (Inchkeith)	1002.2	0	WSW	4	bc	57	65	8	4000	Cu	4	-	4	2
Leuchars	1002.2	+1	E	1	bc/r	54	85	8	2500	CuNb	5	aCu	5	•
Eskdalemuir	1004.1	+2	W	4	c	54	65	8	4000	Cu	5	CiSt	8	•
Tynemouth	1004.0	+1	W	2	bc/p	55	75	8	800	CuNb	4	-	4	0
Blacksod Point	1009.1	+1	WNW	4	bc	57	65	9	•	Cu	5	-	5	1
Donaghadee	1007.0	+2	NW	3	bc/pr.	55	75	8	2500	CuNb	4	aCu	6	2
Birr Castle	1008.1	•	WNW	3	bc	59	55	8	1500	Cu	4	Ci	5	•
Holyhead	1008.4	+1	WSW	4	c/pr.	56	75	8	4000	StCu	8	aCu	8	2
Liverpool (Bidston)	1007.8	+2	W	5	b-	58	65	9	1500	CuNb	2	Ci	2	•
Chester (Sealand)	1007.6	+1	W	4	bc-	59	55	9	4000	StCu	5	Ci	7	•
Hull	1006.7	+1	SW	3	cd	55	75	7	4000	Cu	8	-	8	•
Spurn Head	1005.5	+1	WNW	6	bc	60	65	7	4000	CuNb	7	-	7	3
Birmingham (Edgbaston)	1009.2	+2	W	4	bc	61	45	8	2500	Cu	6	-	6	•
Cranwell	1007.9	+1	W'SW	3	bc-	60	65	8	2500	Cu	3	-	3	•
Gorleston	1008.0	+3	W	1	bc+	62	92	7	2500	Cu	5	-	5	0
Valentia (Cahirciveen)	1011.2	-1	SW'S	2	bc	59	75	8	2500	StCu	3	CiCu	7	0
Roches Point	1011.1	0	NW	2	c	57	85	8	1500	CuNb	8	-	8	0
Pembroke (St. Ann's H.)	1010.2	0	W	4	bc+	59	75	8	2500	Cu	4	CiSt	7	4
Ross-on-Wye	1009.2	+2	W'N	4	bc	62	55	9	4000	Cu	4	-	4	•
Leafield	1009.2	+2	SW'W	5	bc	61	55	9	4000	Cu	6	-	6	•
Winchester (Worthy Dn.)	1010.6	+1	SW	3	bc/p	62	55	9	2500	Cu	7	-	7	•
S. Farnborough	1010.1	+2	W	4	b-	63	55	8	4000	Cu	2	-	2	•
London (Kew Obsy.)	1010.0	+1	W'S	4	bc	66	35	9	4000	Cu	5	aCu	5	•
Croydon	1009.3	0	WSW	3	bc-	64	55	8	4000	StCu	6	-	6	•
Shoeburyness	1009.7	+1	SW	4	bc	63	75	7	4000	Cu	6	-	6	•
Clacton-on-Sea	1009.0	+1	WSW	4	bc	67	45	7	4000	Cu	5	-	5	2
Felixstowe	1008.9	+3	W	3	bc	66	45	9	4000	Cu	4	-	4	3
Lympne	1011.0	+3	W'N	3	bc/r	56	75	8	2500	Nb	7	-	7	•
Scilly (St. Mary's)	1013.4	0	W	4	bc	61	65	7	4000	Cu	2	aCu	6	4
Falmouth (Pendennis)	1012.7	0	WSW	4	bc	61	65	9	4000	Cu	3	aCu	5	1
Plymouth (Cattewater)	1012.2	+1	W	4	bc-	62	55	9	4000	CuNb	4	Ci	4	0
[illegible] and Hill	1011.3	0	WSW	6	bc	61	75	8	2500	Cu	6	-	6	4
Southampton (Calshot)	1011.6	+1	W'S	4	c r o	60	75	8	2500	CuNb	9	-	9	0
Dungeness	1011.0	+1	W~~S~~W	5	bc-	62	97	8	1500	Cu	4	aCu	6	4
Guernsey (Fort George)	1013.7	+1	WSW	3	bc-	61	65	9	2500	Cu	2	aCu	3	3

LONDON OBSERVATIONS.

Day: 7h.-18h., Kew & Croydon. 9h.-18h., Kensington. 8h.-21h., other stations.

	Heights above M.S.L. in feet.	Weather. Morning. (24 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.	Visibility. To-day.
Kew	18	bcv	bcvy	bybcc	67	51	44	-	-	12.8	•	•	8
Croydon	244	bbcch	bcy	bbywc	67	50	46	-	-	~~12.8~~	130	•	7
Greenwich (Royal Obsy.)	149	cbcy	bccvy	cbwc	73	50	38	-	-	12.7	37	61	6
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	12.4	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	68	52	48	-	-	13.3	51	68	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	12.7	•	•	•
Camden Square	110	bc	bc	•	69	52	•	-	-	•	•	66	•
Kensington Palace	80	bc	bc	•	68	51	43	-	-	•	(At 18h) 40	66	•
Hampstead Observatory	450	•	•	•	67	47	37	-	Tr.	13.2	•	69	•

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 7h. G.M.T. 30th.

South Kensington

Max.	Time.	Min.	Time.
0.3	30th 7h	<0.3	29th 18h

Kew Observatory

Max.	Time.	Min.	Time.
<0.3	throughout the period		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 29th 21h 00m. to 30th 3h 15m.

Stars.	Exposure.	Record.	
	h. m.	h. m.	%
Polaris	6.15	5.55	95
δ Ursae Minoris	6.15	5.33	89

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 13h. 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 July, 1928.

STATIONS.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4.10	11.59	19.47
	4.12	11.59	19.46
Greenwich	4.22	12.6	19.49
	4.24	12.6	19.48
Wick	4.0	12.19	20.36
	4.2	12.19	20.34
Valentia	5.1	12.47	20.32
	5.3	12.47	20.31

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—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. ro = 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
/ "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.

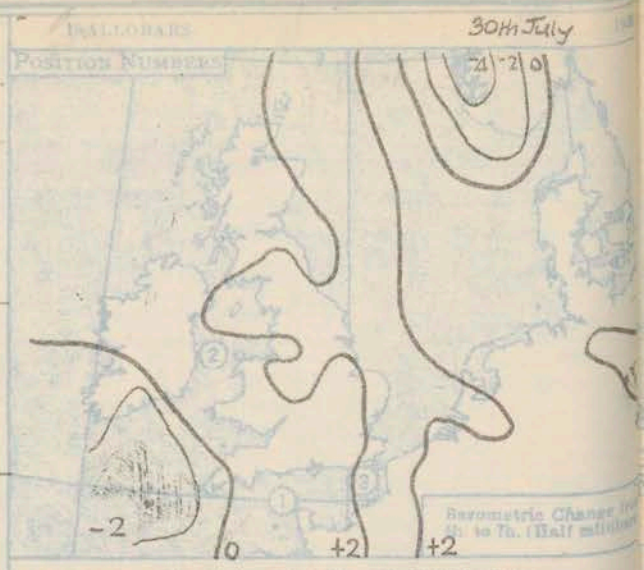
	Objects not visible at
0. Dense fog.	55 yards.
1. Thick fog.	220 „
2. Fog.	550 „
3. Moderate fog.	1,100 „
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2¾ „
6. Moderate.	6½ „
7. Good.	12½ „
8. Very good.	31 „
9. Excellent visibility, beyond 31 m.	

† 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.

M.O. Form 2370.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-18h. 20th	18h.-18h. 22nd	18h. 20th 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.	Sun 20th Hours.
Lerwick	c	cr.	orr	cimr	56	48	•	0.3	17.30	6	<21.00	6.3
Stornoway	c	c	p	r.d	57	47	•	-	-	3	<21.00	6.4
Wick	c	c	orr	cr.r	56	47	•	-	-	5	<21.00	•
Tiree	bc	bc	bc	bc.c	57	51	47	-	-	-	-	11.2
Nairn	cbcp	bcPR	bccd	cdm	61	48	•	2	11.00	2	22.00	4.3
Aberdeen	cprbcPR	bcprcpr	bcpr	prc	57	48	46	6	9.00	1	<21.00	4.0
Malin Head	bccPR	cbcp.r	bcpr.	bcpr.	57	50	•	2	<8.00	1	<21.00	6.5
Renfrew	cp.bcv	bccvy	cv bc	bc c	61	47	43	Tr.	11.00	-	-	7.3
Edinburgh (Inchkeith)	c	cprbc	bcb	bbcc	61	49	46	Tr.	14.30	-	-	10.5
Leuchars	cvybcvy	bbcprcPR	bcc	cbc	62	46	42	2	13.30	-	-	6.7
Eskdalemuir	ccpr	cycpryeyc	cbc	bc	60	43	40	0.5	9.00	-	-	6.8
Tynemouth	bcp.	bcp.	bcb	bc	61	49	43	0.4	9.00	-	-	•
Blacksod Point	bc	(bcp)	b	b	59	47	•	0.4	•	-	•	•
Donaghadee	bcpr.	bcp.r	pr.bc	bc	61	45	•	1	11.00	Tr.	<21.00	•
Birr Castle	bc	bcpr.	bc	bc	61	46	31	1	14.30	-	-	10.6
Holyhead	cbc	bcpr	bc	bc	60	51	45	0.1	14.30	-	-	7.9
Liverpool (Bidston)	cPbc	cpPv	bvcp.	bcc	59	49	45	1	<8.00	Tr.	22.00	9.2
Chester (Sealand)	bcprcpRq	cyv	bcb	bcc	61	44	36	1	9.00	-	-	6.6
Harrogate	cir	cbccir	cipr	cipr	59	46	43	4	<8.00	0.6	22.00	9.8
Spurn Head	bccpr.	bcctbc	bc	bc	63	50	•	Tr.	9.00	-	-	11.4
Birmingham (Edgbaston)	cPRHqtl	cbc	bcb	bbc	64	47	43	5	11.00	-	-	9.6
Cranwell	cbcpstlr	cip	bcb	bbc	65	45	41	3	11.00	-	-	11.0
Gorleston	bc	bcorbc	bc2b	bcb	67	48	44	1	15.30	-	-	10.8
Valentia (Cahirciveen)	bccp.	cpbc	bccp	bccr.	60	50	46	Tr.	11.00	2	<21.00	7.2
Roches Point	bcpocv	cr,c	cg	cgr.r.	63	50	•	2	11.00	2	3.30	•
Pembroke (St. Ann's H.)	cbc	bc	bc	bccr.	60	54	•	-	-	1	5.30	11.3
Ross-on-Wye	cbcv	bcvy	bc	c	66	50	45	-	-	-	-	10.2
Leafield	bc	bc	bcb	cp.	63	47	44	-	-	Tr.	5.30	11.6
Winchester (Worthy Dn.)	bccpr.	cbcvy	bcvyb	bbcc	66	45	36	Tr.	11.00	-	-	11.7
S. Farnborough	b,cy	cy	by b	bbc	68	44	31	-	-	-	-	13.6
London (Kew Obsy.)	bcv	bcvy	bybc	bcc	67	51	44	-	-	-	-	12.8
Croydon	bbcchcy	bcy	bcyb	bcwc	67	50	46	-	-	-	-	~~12.8~~ 13.0
Shoeburyness	c	c	bc	bbc	69	51	47	-	-	-	-	12.6
Clacton-on-Sea	bcy	bcy	bc	bc	69	52	48	-	-	-	-	13.0
Felixstowe	bcypr.	bcyv	bcpr	bc	68	50	47	Tr.	11.00	0.1	<21.00	12.5
Lympne	bcvpr.	cvcpr	bcbbcv	bccvw	64	49	45	Tr.	11.00	Tr.	-	10.9
Scilly (St. Mary's)	bcpbc	bc	bcc	cir	66	57	•	Tr.	<8.00	2	5.30	10.4
Falmouth (Pendennis)	bcprq	bcqv	bc	bccr.	65	55	•	Tr.	9.00	Tr.	4.30	9.4
Plymouth (Cattewater)	bybcpr	bcpr,yv	bcvyc	cr.v	63	53	52	Tr.	11.00	Tr.	4.30	8.7
Portland Bill	ccp.	bcb	bccv	c	62	59	•	Tr.	11.00	-	-	•
Southampton (Calshot)	bcyPR	cycPR	bbcw	bcwcir.	65	53	48	3	9.00	Tr.	5.30	9.2
Dungeness	bcrctr	r.bcq	bc	bcir.bcc	66	53	•	1	12.30	Tr.	1.30	•
Guernsey	brcbcv	bcv	bcb	bbccv	63	56	•	1	<8.00	-	-	10.:



Observations from Cross Channel Steamers.

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

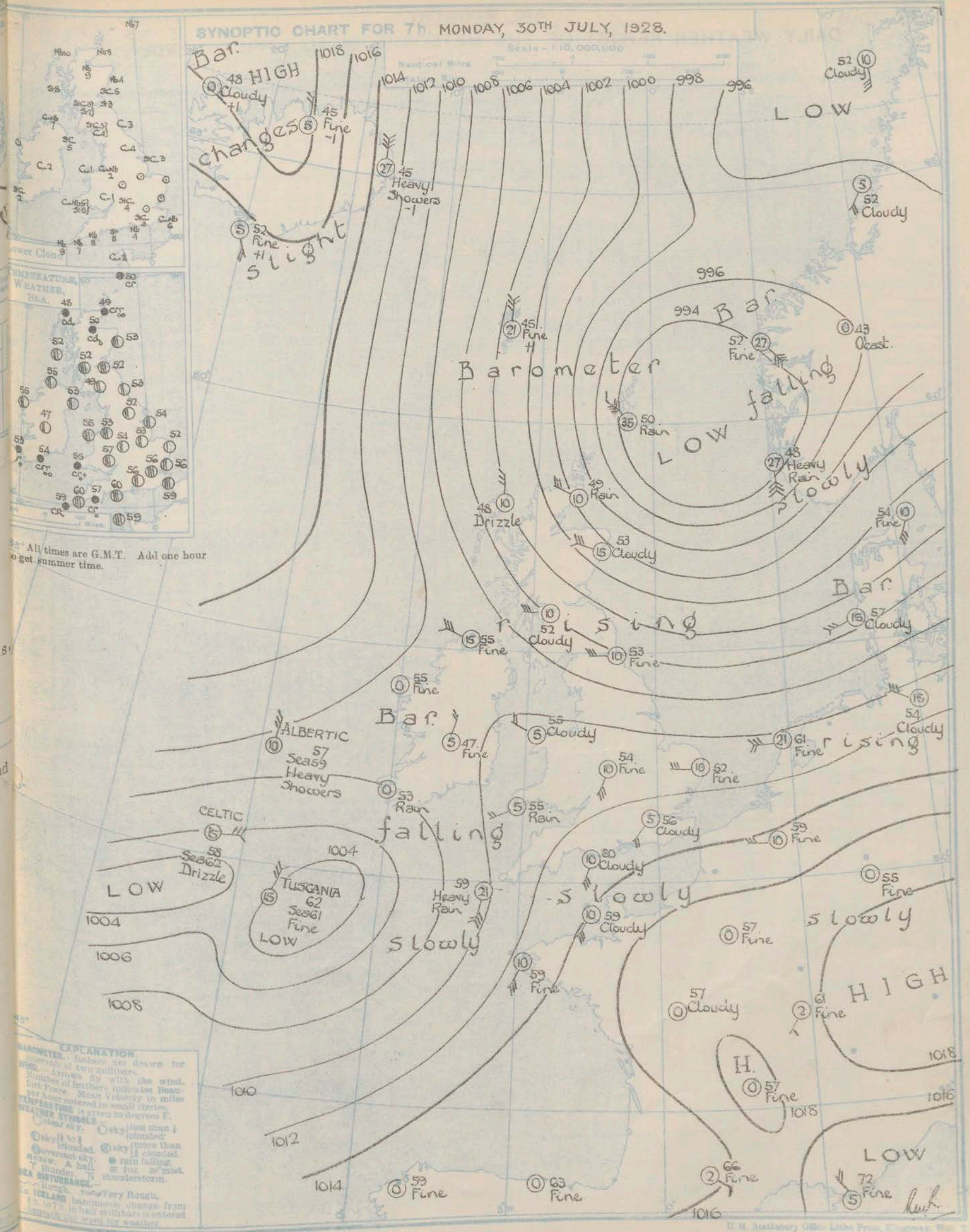
GENERAL INFERENCE.

. Pressure remains highest north of Iceland and lowest over Norway. A complex depression west of the Scilly Islands will move eastward over Southern England or the English Channel. Considerable rainfall will occur over southern districts but in northern districts there will be showers and bright intervals.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Monday, 30th July, 1928.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind southerly to easterly or variable, light to fresh; cloudy; considerable rainy periods; perhaps local thunder tomorrow; cool.	Unsettled and cool for some days.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind becoming variable, light; bright intervals and local thundery showers at first; perhaps some rain later; cool.	
11. S.E. Scotland 12. S.W. Scotland & Isle of Man 13. A. W. Scotland B. N.W. Scotland	Wind W. or N.W. moderate, becoming variable, light; bright periods; local thundery showers; cool.	
14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Wind N.W. moderate; showery, bright intervals; cold.	
17. N.W. Ireland 18. N.E. Ireland	Wind variable, light; bright periods; local thundery showers; cool.	
19. S.E. Ireland 20. S.W. Ireland	Wind E. backing N.E. to N. light to fresh; rainy today; showery and bright intervals tomorrow; cool.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 G.M.T.

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



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

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. ✱ snow. ▲ hail. ≡ fog. ≋ mist. ⚡ thunder. ⚡ thunderstorm.

SEA DISTURBANCE.—〰 Rough. 〰 Very Rough.

ICELAND intermediate change from 15 to 17 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.....Monday 30th July.....1928. No 212.....

Stations	Height above M.S.L. in feet	Observations at 1h. G.M.T. 30th: 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. 30th: 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 ... 990	54	994.0	0	NW	4	orr	51	92	7	1500	Nb	10	-	10	992.7	+3	NW	7	cr	50	92	7	1500	Nb	7	ASt	9	.
Stornoway	30	1004.2	0	NNW	3	c|PR	.	.	6	.	.	.	.	10	1004.6	+3	N	3	od	48	92	7	2500	Nb	10	-	10	2
Wick	81	998.4	-2	WNW	2	orr	50	97	7	1500	Nb	10	-	10	1000.5	+2	WNW	3	crr	49	75	8	1500	Nb	8	ASt	10	1
Tiree	22	.	.	.	.	.	.	.	.	.	.	.	.	.	1007.7	+1	N	4	c	52	92	8	800	St	8	-	8	2
Nairn	82	.	.	.	.	.	.	.	.	.	.	.	.	.	1002.9	.	-	0	cd	50	97	7	800	Nb	9	-	9	.
Aberdeen	68	.	.	.	.	.	.	.	.	.	.	.	.	.	1001.7	+3	WNW	4	c	53	75	8	1500	Nb	4	ACu	8	0
Malin Head	81	1007.8	+1	NW	3	bc|r	52	85	8	4000	Cu	3	-	3	1008.8	+1	WNW	4	bc|p	55	85	8	4000	CuNb	7	-	7	4
Renfrew	58	.	.	.	.	.	.	.	.	.	.	.	.	.	1006.2	+1	W	3	c	52	85	8	800	St	10	-	10	.
Edinburgh (Inchkeith)	190	1003.1	+1	W	4	b	49	85	8	-	-	0	ASt	2	1004.0	+1	SW	5	c	52	85	8	1500	St	3	ACu	8	3
Leuchars	40	.	.	.	.	.	.	.	.	.	.	.	.	.	1003.3	+1	W	4	bc	54	75	8	5700	StCu	5	ASt	7	.
Eskdalemuir	794	.	.	.	.	.	.	.	.	.	.	.	.	.	1006.6	+2	SW'W	4	bc	49	85	8	2500	Cu	7	-	7	.
Tynemouth	87	1005.2	0	W	3	b	50	85	7	1500	Cu	1	-	1	1006.0	+1	W	3	bc	53	75	7	1500	Cu	3	-	3	2
Blacksod Point ...	18	1010.1	0	-	0	bc	49	75	7	.	Cu	3	-	3	?	+1	-	0	bcv	55	75	9	.	-	0	Ci	3	0
Donaghadee	40	.	.	.	.	.	.	.	.	.	.	.	.	.	1009.4	+2	W	1	bc-	53	85	8	4000	StCu	5	ACu	6	1
Birr Castle	178	.	.	.	.	.	.	.	.	.	.	.	.	.	1009.8	.	NNE	2	bc	47	97	7	2500	Cu	2	CiCu	5	.
Holyhead	28	1009.2	+1	WSW	2	bc	52	85	8	2500	StCu	3	-	3	1010.1	+1	WNW	2	c+	55	85	8	2500	Cu	1	Ci	8	0
Liverpool (Bidston) ...	189	.	.	.	.	.	.	.	.	.	.	.	.	.	1010.0	+1	W'S	3	c⊕	53	85	8	1500	CuNb	2	CiSt	9	.
Chester (Sealand) ...	16	.	.	.	.	.	.	.	.	.	.	.	.	.	1009.9	+2	S	1	bc	61	85	7	2500	Cu	1	Ci	5	.
Harrogate	476	.	.	.	.	.	.	.	.	.	.	.	.	.	1008.6	+2	SW	2	bc|r	52	92	8	4000	Cu	4	Ci	5	.
Spurn Head	29	1007.3	+1	WSW	5	bc	52	85	7	4000	St	4	-	4	1009.0	+2	WSW	4	bc	54	85	7	5700	StCu	3	-	3	2
Birmingham (Edgbaston)	535	.	.	.	.	.	.	.	.	.	.	.	.	.	1011.7	+2	SW	3	bc	54	75	8	-	-	0	CiCu	4	.
Cranwell	236	1009.7	+1	SW'W	3	b-	49	92	6	4000	StCu	1	-	1	1010.6	+1	WSW	4	bc+	53	85	7	-	-	0	CiSt	3	.
Gorleston	14	1010.1	+1	W'S	3	b	52	85	7	-	-	0	-	0	1011.0	+2	W	3	b+	52	92	7	-	-	0	CiCu	2	0
Valentia (Cahirciveen)P	30	1011.3	-2	-	0	bc	52	92	9	-	-	0	Ci	5	1008.0	-1	-	0	cr	53	85	8	2500	StCu	2	ASt	9	0
Roches Point	22	.	.	.	.	.	.	.	.	.	.	.	.	.	1009.3	-3	SE	2	crr	54	97	7	1500	Nb	9	-	9	0
Pembroke (St. Ann's H.)	150	1010.8	+1	W	4	bc	58	75	8	2500	Cu	4	ACu	6	1010.4	0	WSW	2	cr	55	85	7	800	CuNb	10	-	10	1
Ross-on-Wye	225	.	.	.	.	.	.	.	.	.	.	.	.	.	1011.3	0	SW'W	3	c⊕	57	85	7	4000	Cu	1	CiSt	9	.
Leafield	512	.	.	.	.	.	.	.	.	.	.	.	.	.	1011.7	+1	SW'S	2	c-	52	92	8	4000	StCu	4	Ci	8	.
Winchester (Worthy Dn.)	272	.	.	.	.	.	.	.	.	.	.	.	.	.	1012.8	0	SE'S	1	c	52	92	6	5700	StCu	3	ASt	9	.
S. Farnborough ...	230	.	.	.	.	.	.	.	.	.	.	.	.	.	1012.6	+1	W	3	bc	56	85	8	5700	StCu	3	Ci	7	.
London (Kew Obsy.) ...	18	.	.	.	.	.	52	.	.	.	.	.	.	.	1013.0	+1	SW	2	c	56	75	8	-	-	0	ASt	9	.
Croydon	244	1012.3	+1	W'S	3	b	53	75	8	-	-	0	Ci	1	1012.9	+1	SW'W	2	c	57	75	7	5700	StCu	2	ASt	9	.
Shoeburyness	21	.	.	.	.	.	.	.	.	.	.	.	.	.	1013.1	+2	WSW	3	bc	57	85	7	-	-	0	ASt	7	.
Clacton-on-Sea ...	54	.	.	.	.	.	.	.	.	.	.	.	.	.	1012.2	+2	WSW	3	bc	56	85	7	-	-	0	Ci	5	2
Felixstowe	15	.	.	.	.	.	.	.	.	.	.	.	.	.	1012.2	+2	WSW	3	bc	56	75	7	-	-	0	CiSt	5	1
Lympne	350	1012.3	+1	W'N	2	bc-	54	92	9	4000	StCu	3	-	3	1013.3	+2	W'N	2	cv	54	85	9	4000	StCu	7	ASt	9	.
Scilly (St. Mary's) ...	163	1012.6	-1	SW'W	3	c	58	85	8	4000	StCu	6	CiSt	9	1009.7	-2	SSW	5	cR	59	85	7	2500	Nb	9	-	9	4
Falmouth (Pendennis)	200	1012.8	-1	W'N	2	bc	55	92	8	4000	StCu	3	ACu	6	1010.7	-1	S'W	4	c	60	85	8	2500	Nb	7	ASt	10	1
Plymouth (Cattewater)	83	.	.	.	.	.	.	.	.	.	.	.	.	.	1011.9	0	E	1	cr	57	85	8	2500	Nb	8	ASt	10	0
Portland Bill	52	1012.3	0	WSW	3	c	60	75	8	2500	St	5	CiSt	8	1012.3	0	SSW	3	c	60	85	8	2500	St	8	ASt	9	1
Southampton (Calshot)	10	1013.1	+1	W	2	bc+	53	85	8	4000	CuNb	1	ACu	5	1013.1	+1	SW'W	4	cr	57	85	8	2500	Nb	4	ASt	9	0
Dungeness	20	1012.5	+3	W	3	bc	57	97	8	1500	CuNb	6	-	6	1013.8	+2	WSW	2	c+	59	85	8	2500	CuNb	6	ACu	10	3
Guernsey (Fort George) P	205	1015.0	0	-	0	bc+	55	92	8	4000	Cu	4	-	4	1014.4	0	SW	3	cv	59	85	9	2500	Cu	2	ASt	8	1

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 29th to 9h. 30th. °F.	Temperature. Max. 9h.-17h. 29th. °F.	Rainfall.† Night 17h.-9h. 29th-30th. mm.	Rainfall.† Day 9h.-17h. 29th. mm.	Sunshine. Sunrise to 17h. 29th. hr.	Sunshine. Sunrise to Sunset. 29th. hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	cPRtl	PR	44	55	-	2	5.1	3.9
Douglas (I. o. M.) ...	bcP	bc	48	60	1	4	9.2	7.7
Llandudno ...	bcc	cpbc	51	61	0.2	Trace	7.0	7.4
Colwyn Bay ...	bbcpc	cb	50	61	1	0.3	6.6	5.9
Rhyl	bcp	bc	50	63	2	0.3	8.8	9.7
Wallasey	crbcb	bbcp	52	62	1	1	8.2	7.6
Southport	obccc	opcb	50	61	4	3	8.9	8.1
Blackpool	orc	cb	51	62	0	0.1	8.7	6.0
Ilkley	pbc	bc	46	60	8	2	6.6	8.9
Cleethorpes	bp	bpt	46	64	-	1	9.5	5.2
Skegness	cbc	bcprbc	52	64	Trace	2	7.8	9.5
Aberystwyth ...	bobc	bc	54	62	1	-	9.3	10.4
Bath	obc	b	49	65	1	-	9.6	12.0
Cheltenham ...	bc	bcv	48	66	-	-	8.2	9.6
Leamington Spa ...	bc	bc	46	67	—	—	11.5	9.8
Lowestoft	b	bccpr	54	68	-	Trace	9.8	6.8
Harwich & Dovercourt	bc	bc	49	69	—	-	12.0	10.3
Maldon	bbc	bcb	45	70	—	-	10.2	8.8
Southend	cb	bc	50	71	-	—	10.0	10.5

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	cb	b	55	61	-	—	10.1	11.2
Bude	bcbc	bc	53	63	7	Trace	9.8	12.5
Penzance	b	b	53	67	1	-	8.3	12.8
Paignton	bc	bcpby	53	67	1	1	7.8	13.0
Torquay	bcgb	bcpobc	54	67	—	Trace	8.5	13.6
Jersey	rc	bc	55	64	2	-	7.3	11.0
Weymouth	bbcpb	bcpob	52	66	—	1	9.1	13.0
Bournemouth ...	b	b	50	66	-	1	7.0	13.2
Ventnor ...	cbpc	b	52	63	-	-	9.8	12.0
Portsmouth (S'thsea)	bcp	bcp	53	65	—	3	9.3	13.3
Bognor	bcPR	bcpr	49	67	—	3	9.6	12.7
Littlehampton ...	bcP	bcbPb	46	63	-	5	8.9	12.2
Worthing	bccr	crbcc	49	65	-	5	9.3	12.8
Brighton	bcbtlr	cbc	53	65	—	2	9.1	12.0
Eastbourne‡	bcbbc	bcobc	53	65	—	1	7.0	8.8
Hastings‡	bcltlr	ltrbc	49	67	-	7	7.8	12.3
Folkestone	bcv	bcpbc	49	67	—	Trace	9.3	8.8
Dover	ybc	bcby	52	64	-	—	9.6	7.7
Tunbridge Wells ...	bc	opocb	46	66	—	0.3	9.9	10.8
Ramsgate	bc	bcb	50	67	-	—	10.3	8.5
Margate	bc	bbc	50	67	—	1	8.7	8.6
Deal	bc	bcb	50	66	—	-	9.2	6.5

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.-9h.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 24358. Tuesday 31st July 1928.

Observations at 13h. 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	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	State of ground.
Lerwick	998.0	+5	NW	4	c/p	50	85	7	1500	Cu.Nb.	5	A.St.	10	•
Stornoway	1006.7	+3	N	3	o/pr	52	75	7	2500	Nb.	10	-	10	•
Wick	1004.4	++	WNW	3	c/r	51	85	8	2500	Cu.	6	Ci.St.	9	•
Tiree	1007.8	+2	N	4	c	53	75	8	1500	St.Cu.	8	-	8	0
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1005.3	+3	NW	3	c-	56	75	8	2500	Cu.	4	A.St.	8	1
Malin Head	1009.9	+1	WNW	4	c/pr	54	92	8	4000	Cu.Nb.	8	-	8	•
Renfrew	1007.3	+1	W	3	c	59	75	8	4000	Cu.	9	A.Cu.	10	0
Edinburgh (Inchkeith)	1005.5	+2	WSW	4	bc	58	75	8	1500	Cu.	4	A.Cu.	6	•
Leuchars	1005.3	+2	NW	4	cr	61	65	8	4000	Nb.	9	A.St.	10	0
Eskdalemuir	1007.5	+1	WSW	4	c	57	65	8	2500	St.Cu.	9	-	9	1
Tynemouth	1007.8	+2	W	2	bc	62	85	7	1500	Cu.	6	-	6	•
Blacksod Point	1009.1	+1	NW	3	bcv	60	65	9	•	Cu.	3	-	3	•
Donaghadee	1009.8	0	W	2	bc+	61	55	8	2500	Cu.Nb.	5	Ci.Cu.	7	•
Birr Castle	1009.1	•	NE	2	bc	61	55	8	1500	Cu.	6	-	6	•
Holyhead	1010.4	0	NNW	1	c	56	75	8	4000	Cu.	1	A.St.	9	0
Liverpool (Bidston)	1010.6	0	WNW	1	vc+	59	65	9	2500	St.Cu.	1	A.St.	9	•
Chester (Sealand)	1010.5	0	WNW	3	cr	59	65	7	4000	Nb.	6	A.St.	10	1
Harrogate	1009.9	+1	SW	3	c	60	55	8	4000	Cu.	6	A.Cu.	8	•
Spurn Head	1009.4	0	W	5	c+	65	55	7	4000	Cu.Nb.	8	-	8	•
Birmingham (Edgbaston)	1011.7	+1	SW	3	cr+	59	75	8	2500	Nb.	5	A.St.	10	1
Cranwell	1011.0	0	WSW	3	c+	66	55	8	4000	Cu.	9	-	9	0
Gorleston	1011.6	0	SW'W	3	bc	65	92	7	4000	Cu.	2	A.Cu.	6	•
Valentia (Cahirciveen)	1007.8	0	NE	4	bc	62	65	8	2500	St.Cu.	7	-	7	5
Roches Point	1008.4	0	ENE	3	cd	55	97	7	800	Nb.	9	-	9	•
Pembroke (St. Ann's H.)	1007.5	-4	ESE	4	oRR	55	97	6	800	Nb.	10	-	10	•
Ross-on-Wye	1011.2	-1	SSW	3	cr	59	75	7	2500	Nb.	8	A.St.	10	1
Leafield	1011.6	0	SSW	3	c/r	60	65	9	4000	St.Cu.	5	A.St.	10	1
Winchester (Worthy Dn.)	1012.8	0	SE	2	c/r	59	85	8	2500	St.Cu.	6	A.Cu.	9	5
S. Farnborough	1013.0	0	SW'S	3	c/p	63	65	8	4000	Nb.	5	A.St.	10	0
London (Kew Obsy.)	1013.0	0	SSW	4	c	66	55	8	2500	Cu.	5	A.St.	10	0
Croydon	1013.0	0	SW	4	c+	65	65	8	2500	St.Cu.	9	A.Cu.	10	0
Shoeburyness	1013.2	0	SW	4	cr	64	75	7	5700	Nb.	4	A.Cu.	8	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	1012.5	0	WSW	3	c	67	55	8	4000	Cu.	8	-	8	0
Lympne	1014.3	+1	SW'W	4	c	61	75	8	1500	St.	8	A.Cu.	9	0
Scilly (St. Mary's)	1009.2	0	SSW	6	c/p	62	85	7	4000	St.Cu.	10	-	10	•
Falmouth (Pendennis)	1008.5	-1	SW'S	6	c	61	85	7	4000	St.Cu.	8	A.St.	10	•
Plymouth (Cattewater)	1010.5	-2	SSW	5	or+	60	85	7	1500	Nb.	10	-	10	1
Portland Bill	1012.2	0	S	4	c	62	85	8	1500	St.Cu.	10	-	10	•
Southampton (Calshot)	1013.4	0	SW'S	5	c	63	65	8	2500	Cu.	6	Ci.St.	8	0
Dungeness	1014.8	0	SW	3	c/r	64	85	8	2500	Cu.Nb.	5	Ci.St.	8	•
Guernsey (Fort George)	1013.8	-1	SSE	3	cv	64	75	9	-	-	0	A.Cu.	8	•

Observations at 18h. 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	Cloud. Upper Form	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1001.4	+5	NW	4	c/p	49	XX	7	1500	Cu.Nb.	5	A.St.	8	•
Stornoway	1008.0	+1	N	4	bc	51	75	7	4000	Cu.Nb.	5	-	5	3
Wick	1006.0	+2	NW	3	bc	50	75	8	2500	Cu.	4	Ci.St.	5	0
Tiree	1010.5	+1	N	4	bc-	53	65	9	1500	Cu.	4	A.Cu.	7	3
Nairn	1007.1	•	NNW	2	bc-	52	75	8	1500	Cu.Nb.	7	-	7	•
Aberdeen	1007.1	+2	NNW	1	c/pr	50	92	8	1500	St.Cu.	9	-	9	0
Malin Head	1010.8	+1	NNW	3	bc/r	53	85	8	4000	Cu.	6	A.Cu.	7	4
Renfrew	1008.0	+1	WNW	2	c-	55	75	8	2500	St.Cu.	8	-	8	•
Edinburgh (Inchkeith)	1006.0	+1	WSW	3	cv	55	65	9	4000	Cu.	5	A.St.	9	1
Leuchars	1006.6	+2	WNW	2	c	55	75	8	4000	St.Cu.	9	A.St.	10	•
Eskdalemuir	1007.6	0	W	2	bc/p	53	75	8	2500	St.Cu.	7	-	7	•
Tynemouth	1007.8	0	W	2	bc	60	85	7	1500	Cu.	6	-	6	1
Blacksod Point	1011.2	+1	NE	4	bcv	56	85	9	•	Cu.	5	-	5	4
Donaghadee	1010.2	0	NE	2	c+	55	85	8	2500	St.Cu.	8	-	8	1
Birr Castle	1009.0	•	NE	2	bc	63	55	8	1500	Cu.Nb.	4	Ci.Cu.	5	•
Holyhead	1009.3	-1	NE'N	1	c-	57	75	8	7200	St.Cu.	8	-	8	0
Liverpool (Bidston)	1009.4	-2	-	0	c/pr	56	85	7	4000	St.	10	-	10	•
Chester (Sealand)	1009.4	-2	SSE	1	c/r	55	85	7	800	St.Cu.	10	-	10	•
Harrogate	1009.7	0	SW	2	c	56	65	8	-	-	0	A.St.	9	•
Spurn Head	1009.4	0	WSW	5	cr	58	92	7	4000	Nb.	9	-	9	2
Birmingham (Edgbaston)	1009.2	-4	ESE	3	orr	54	97	5	1500	Nb.	10	-	10	•
Cranwell	1011.3	0	SW'S	1	cr-	54	97	7	1500	Nb.	8	A.St.	10	•
Gorleston	1011.7	0	WSW	2	or	65	92	6	1500	Nb.	10	-	10	0
Valentia (Cahirciveen)	1009.1	+2	NE	4	c	61	65	8	4000	St.Cu.	7	A.Cu.	8	3
Roches Point	1009.6	+2	SE	2	c	57	92	7	1500	St.Cu.	10	-	10	4
Pembroke (St. Ann's H.)	1006.2	0	WSW	4	bc	61	92	7	800	Cu.	2	Ci.St.	7	5
Ross-on-Wye	1008.1	-3	SW'S	2	orr	58	97	6	1500	Nb.	10	-	10	•
Leafield	1009.1	-3	S	5	or	56	97	5	800	Nb.	10	-	10	•
Winchester (Worthy Dn.)	1011.1	-2	SE	3	c/r	59	85	8	2500	St.Cu.	8	A.St.	10	•
S. Farnborough	1011.6	-2	SSW	4	cr	63	65	6	2500	Nb.	5	A.St.	10	•
London (Kew Obsy.)	1011.4	-2	SSW	4	o+	64	65	8	1500	St.	10	-	10	•
Croydon	1011.9	-2	SW'S	4	c	63	75	8	1500	St.	5	A.Cu.	9	•
Shoeburyness	1012.1	-1	SW	4	c	64	75	8	5700	St.Cu.	6	A.Cu.	9	•
Clacton-on-Sea	1012.3	-1	SSW	4	bc	65	65	7	4000	St.Cu.	7	-	7	3
Felixstowe	1012.2	-1	SSW	4	c/r	65	75	8	2500	Cu.	6	A.Cu.	9	3
Lympne	1012.8	-2	SW	3	c/r	60	75	8	5700	St.Cu.	6	A.St.	9	•
Scilly (St. Mary's)	1009.5	+1	SW	3	bc-	63	92	7	4000	Cu.	2	A.Cu.	5	4
Falmouth (Pendennis)	1009.0	+1	SW	5	od+	62	97	6	4000	Nb.	10	-	10	1
Plymouth (Cattewater)	1009.6	-1	SSW	4	o/r	61	92	6	800	Nb.	10	-	10	1
Portland Bill	1010.4	-2	SSW	5	or	62	85	8	1500	Nb.	10	-	10	1
Southampton (Calshot)	1011.5	-2	SW'S	4	cr	64	75	8	2500	Nb.	4	A.St.	10	0
Dungeness	1013.0	-3	SW	3	cv	62	85	9	1500	St.Cu.	8	-	8	2
Guernsey (Fort George)	1013.2	-1	SW	2	cv	64	65	9	-	-	0	A.Cu.	8	1

London Observations

	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 8h.)	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. 6h. G.M.T. % (To-day)	Visibility
Day 7h.-18h., Kew & Croydon. 9h.-16h., Kensington. 9h.-21h., other stations.													
Kew	18	cp.c	c	crcrrc	68	58	56	Tr.	9	4.0	•	•	6
Croydon	244	cbcc	cy	crdrrc	67	57	55	-	9	3.9			6
Greenwich (Royal Obsy.)	149	cy	c	crrrh	74	56	85	-	11	3.9	61	85	•
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	4.4	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	68	58	55	7		4.5	69	93	•
Regent's Pk. (Botanic Gdns).	189	•	•	•	•	•	•	•	•	3.3	•	•	•
Camden Square	110	0	0	•	69	58	-	1	7	•	•	82	•
Kensington Palace	86	0	0	•	69	57	56	-	8	•	(At 18h. G.S.) 72	•	•
Hampstead Observatory	450	•	•	•	66	54	53	0.5	10	3.5	•	78	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 7h. G.M.T. 31st

South Kensington Max.	Time.	Min.	Time.
0.4	7h. 31st	<0.3	16h. 30st

Kew Observatory Max.	Time.	Min.	Time.
0.1	7h. 31st	<0.1	18h. 30st

Pole Star Record at Greenwich Obsy.

Exposure from 30th 21h. 00m. to 31st 3h. 15m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	6.15	0.0	NR
δ Ursæ Minoris	6.15	0.0	NR

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).

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

31st July to 1st August, 1928.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.12	11.59	19.46
	4.13	11.59	19.44
Greenwich	4.24	12.06	19.48
	4.25	12.06	19.46
Wick	4.02	12.19	20.34
	4.04	12.19	20.31
Valentia	5.03	12.47	20.31
	5.04	12.47	20.29

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 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 "semicolon" divides actual existing weather from prevailing 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 } Calm or slight sea.
2 = heavy swell } Calm or slight sea.
3 = no swell } Moderate sea.
4 = mod. swell } Moderate sea.
5 = heavy swell } Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

§ Telegraphic Code for Surface Visibility.

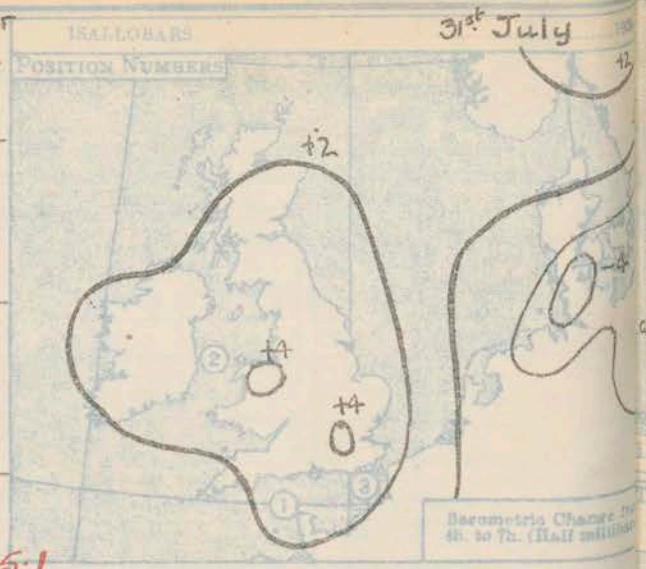
	Objects not visible at
0. Dense fog.	55 yards
1. Thick fog.	220 "
2. Fog.	550 "
3. Moderate fog.	1,100 "
4. Mist or haze.	1¼ miles.
5. Poor visibility.	2¾ "
6. Moderate.	5½ "
7. Good.	12½ "
8. Very good.	31 "
9. Excellent visibility, beyond 31 m	

† 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. 30th	Weather. 13h.-18h. 30th	Weather. 18h. 30th 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. mm.	Rainfall.† Night. 18h.-7h. began.	Sun 30th Hours.
Lerwick	cir,r,	cir,r,	cir,r,	cir,	53	44	•	0.3	<8.00	2	<21.00	3.6
Stornoway	p	p	p	cprbc	54	40	•	0.1	<8.00	2	<21.00	5.9
Wick	c,rc	c	cpr	cpr,	51	43	•	0.1	<8.00	1	<21.00	•
Tiree	c	c	c	cbc	56	44	42	-	-	-	-	2.4
Nairn	cPRc	cpr	c	bc	53	42	•	0	<8.00	-	-	1.0
Aberdeen	c	cpr	cir,bc	bbc	57	42	37	1	13.30	Tr.	<21.00	0.6
Malin Head	cp	cpr,	bc	bc	58	49	•	0.6	12.30	-	-	3.2
Renfrew	c	cp,c	cbcb	bw	60	40	35	Tr.	14.30	Tr.	-	2.4
Edinburgh (Inchkeith)	cbc	bcc	p	cbcb	61	45	40	Tr.	14.30	1	24.00	4.2
Leuchars	c,oir,	c,pr,,c	cbcw	bcwbw	63	42	33	0.3	X.00 14.30	-	-	3.4
Eskdalemuir	bcc	cpr,bc	~~bc~~ cprbc	bcb	59	38	34	Tr.	13.30	1	<21.00	1.8
Tynemouth	bc	bc	bc	bc	63	45	40	-	-	-	-	•
Blacksod Point ...	b	bbc	c	b	61	53	•	-	•	-	•	•
Donaghadee	bc	bcc	pr bc	bc	62	47	•	-	-	Tr.	<21.00	•
Birr Castle	bc	bc	bc	bc	64	39	30	-	-	-	-	8.4
Holyhead	cbcc	cir, c	bcb	bc	58	52	47	Tr.	14.30	-	-	~~15.1~~ 5.1
Liverpool (Bidston) ...	cy	vcr,c	r,m,b	b	59	52	44	0.3	13.30	0.4	<21.00	5.5
Chester (Sealand) ...	bcc	crrc	r,rc	c	62	47	40	2	12.30	1	<21.00	3.5
Harrogate	bcc	c	b	cprcbcb	61	44	38	-	-	Tr.	<21.00	7.7
Spurn Head	bcy	cpr,	orrcc	cbc	65	52	•	Tr.	15.30	6	<21.00	7.3
Birmingham (Edgbaston)	bccr,	~~c~~orRr	morc	cbc	63	51	47	Tr.	11.00	0.6	<21.00	5.3
Cranwell	bcy	cr	orrir	bc	67	49	47	14	14.30	5	<21.00	7.9
Gorleston	bbc	bcc	orr	or,rc	69	56	55	0.2	17.30	4	<21.00	8.3
Valentia (Cahirciveen)	cr,c	bcc	cbcb	cbcc	63	53	48	0.4	<8.00	-	-	1.1
Roches Point	cr,rid	cid,c	cg	c	57	50	•	2	<8.00	-	-	•
Pembroke (St. Ann's H.)	crrm	cRrm,	bcc	bcc	63	51	•	25	<8.00	-	-	2.8
Ross-on-Wye	cir	cr,orrir	rcbcc	c	61	53	53	9	9.00	1	<21.00	0.7
Leafield	cir,	cidorr	or,crrc	cd,c	62	52	51	5	11.00	6	<21.00	0.9
Winchester (Worthy Dn.)	cmprcr,	cr,cr	or	orcor	65	56	54	1	11.00	11	<21.00	2.3
S. Farnborough ...	bcypr,	cyc	cr,o~~r~~ 9.00	o~~r~~Rr,c	67	56	53	Tr.	9.00	11	<21.00	2.6
London (Kew Obsy.) ...	cp,c	c	crcorr	orrc	63	58	56	Tr.	9.00	9	<21.00	4.0
Croydon	cbcc	cy	crr,dd	addrrc	67	57	55	-	-	9	<21.00	3.9
Shoeburyness	bccr,	c	orr	or	69	57	56	Tr.	12.30	6	<21.00	4.8
Clacton-on-Sea ...	bcy	bcbcy	bccr	crc	69	58	56	-	-	6	<21.00	7.1
Felixstowe	bcc	cr,	coR	oiRcr,	68	58	57	Tr.	17.30	9	<21.00	~~6.0~~ 5.8
Lympne	cvcpr,c	cpr,	c	crrmdm	64	56	56	Tr.	11.00	4	3.30	0.6
Scilly (St. Mary's) ...	cpq	ormc	ciror	orcdm,	64	56	•	1	8.00	4	24.00	1.1
Falmouth (Pendennis)	crq	crdmq	orc	corm	63	56	•	7	<8.00	9	<21.00	0.0
Plymouth (Cattewater)	cqr,rqm,	oqr,r	om,rr	omRRr,	62	57	55	2	<8.00	11	<21.00	0.0
Portland Bill	cpbcc	cir,	oirorrz	orrc	64	53	•	3	9.00	4	<21.00	•
Southampton (Calshot)	cmrc	cir,	cr,rr	crrr,	68	58	54	Tr.	16.30	6	<21.00	1.4
Dungeness	circ	c	c	ccrcir	65	60	•	5	9.00	1	3.30	•
Guernsey	cv	br,cv	cv	cv	66	60	•	Tr.	14.30	-	-	2.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	30th 10h.	CAMBRIA	NW	1	c	56	56
1	30th 12h.	St. HELIER	SW	4	bc+	63	60
3	31st 1h.	DIEPPE	SW	3	c+	63	61

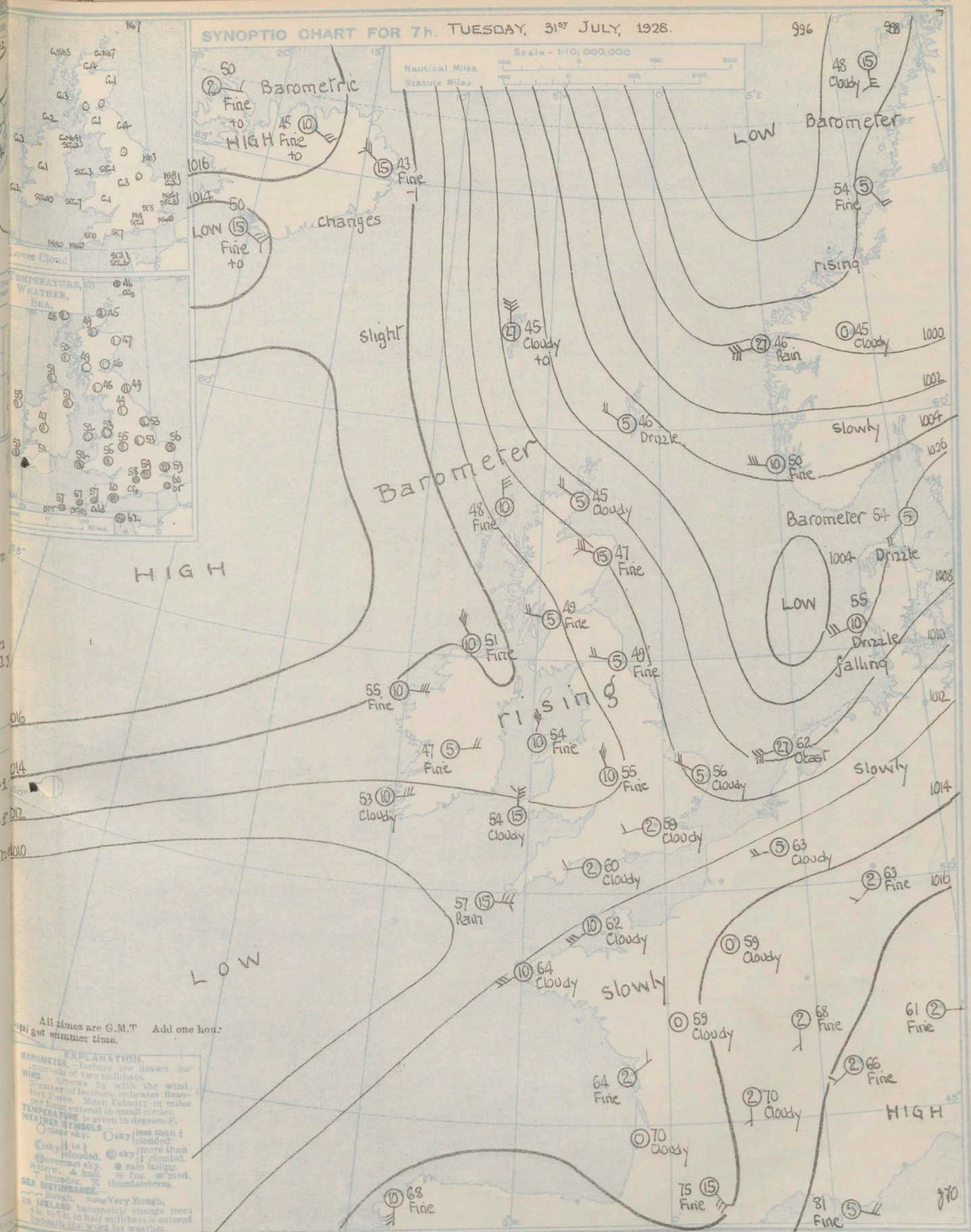
GENERAL INFERENCE.

The depression which crossed England last night is passing away over the North Sea, and a ridge of high pressure is extending down from northwest. Another depression off our S.W. coasts is not very active at present, but it will probably move E.N.E, and cause further rain in Southern England. Weather will be mainly fair in the north.

Districts.	Forecasts for the 24 hours commencing 12 Noon G.M.T. Tuesday, 31st July, 1928.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind N, veering E, light; fair today; perhaps some rain tomorrow; cool.	Fine in northern distri[cts] except the extreme N.E. of Scotland. Uncertain in the South.
5. S.W. England 6. South Wales	Wind easterly or variable, light or moderate; dull, some rain; cool.	
~~7. North Wales~~	As 1 - 4	
8. N.W. England 9. N. Midlands 10. N.E. England 11. S.E. Scotland 12. S.W. Scotland & Isle of Man	Wind north, light or moderate; mainly fine; rather cool.	
13. (A) W. Scotland (B) N.W. Scotland 14. Mid-Scotland 15. N.E. Scotland 16. Orkneys and Shetlands	Wind N.W, moderate or fresh; variable sky, some showers; cool.	cancd
~~17. N.W. Ireland~~		
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N.E, or E, light or moderate; mainly fair; rather cool.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 G.M.T. G. C. Simpson, F.R.S. Dir[ector]

† 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....31st July.....1928. No. 213..

Stations.	Height above M.S.L. in feet.	Observations 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
Lerwick	54	1003.2	+1	NW	2	c/p	45	75	8	1500	CuNb	3	A.St	9
Stornoway	30	1010.8	+2	NNW	2	bc/pR	•	•	7	•	•	•	•	3
Wick	81	1008.9	+1	NW	2	c/pr	43	92	8	1500	CuNb	6	A.St	8
Tiree	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	52	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	65	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	51	1012.4	+1	NNW	4	bc	52	85	8	4000	Cu	4	-	4
Renfrew	56	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	100	1007.5	+2	N'E	2	c/r	48	92	9	2500	Cu	9	-	9
Lonchars	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	67	1008.3	0	W	2	bc	52	85	7	1500	Cu	4	-	4
Blacksod Point ...	18	1012.9	+2	NE	4	c	54	75	7	•	CuNb	8	-	8
Donaghadee	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	20	1010.1	+1	N'E	4	bc+	54	85	8	2500	StCu	7	-	7
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sealand) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Harrogate	478	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	20	1008.6	-1	NW	3	c	54	97	7	4000	Nb	9	-	9
Birmingham (Edgbaston)	535	•	•	•	•	•	•	•	•	•	•	•	•	•
Crawwell	230	1009.1	0	NNW	1	or	52	97	6	800	Nb	10	-	10
Gorleston	14	1008.9	-3	SW'S	4	or	57	97	7	2500	Nb	10	-	10
Valentia (Cahirciveen)P	30	1012.1	+1	SE'S	2	b	54	97	9	-	-	0	-	0
Roches Point	22	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	150	1009.7	+3	N	3	bc-	54	92	8	1500	Cu	3	C.St	8
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	812	•	•	•	•	•	•	•	•	•	•	•	•	•
Winchester (Worthy Dn.)	273	•	•	•	-	•	•	•	•	•	•	•	•	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	59	•	•	•	•	•	•	•
Croydon	244	1010.0	-2	SW'S	4	cdd	59	97	6	800	St	10	-	10
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Felixstowe	15	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1011.3	-1	SW	3	c	60	85	8	4000	StCu	9	-	9
Scilly (St. Mary's) ...	183	1009	0	S	2	or-	57	97	6	2500	Nb	10	-	10
Falmouth (Pendennis)	200	1010.6	+1	S	1	cr-	58	97	7	2500	Nb	8	-	8
Plymouth (Cattewater)	62	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	32	1008.7	-1	SW	4	or	60	97	6	1500	Nb	10	-	10
Southampton (Calshot)	10	1006	-1	SSW	5	crr	62	85	7	800	Nb	8	A.St	10
Bungeness	20	1011.7	-2	SW	3	c+	63	85	8	2500	StCu	6	A.Cu	10
Guernsey (Fort George) P	236	1012.6	0	SW	1	bc-	61	85	8	4000	StCu	6	-	6

Stations.	Observations 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. 0-8
Lerwick	1005.2	+1	NW	2	c	46	85	8	1500	Nb	7	A.St	10	•
Stornoway	1011.0	+1	N	3	bc	48	85	8	4000	CuNb	3	-	3	2
Wick	1009.3	+1	NW	2	c/r	45	97	8	1500	CuNb	7	C.St	9	0
Tiree	1014.0	+3	N	3	bc-	50	75	9	2500	Cu	3	B.Cu	4	1
Nairn	1010.7	•	WNW	2	bc-	49	75	8	2500	Cu	4	-	4	•
Aberdeen	1010.4	+2	WNW	4	b	47	75	8	2500	Cu	1	Ci	1	0
Malin Head	1013.8	+1	NNW	3	bc	51	75	8	4000	Cu	2	A.Cu	6	1
Renfrew	1012.3	+2	WNW	2	b	49	75	9	-	-	0	-	0	•
Edinburgh (Inchkeith)	1011.2	+3	SW	3	b	46	85	8	-	-	0	A.Cu	1	1
Lonchars	1011.4	+3	WNW	3	b	49	65	9	4000	Cu	1	Ci	1	•
Eskdalemuir	1011.4	+3	NNW	2	b	48	75	8	4000	Cu	1	-	1	•
Tynemouth	1010.6	+3	WNW	2	bc	49	75	8	1500	Cu	4	A.Cu	5	•
Blacksod Point ...	1014.0	+2	E	3	bc	53	65	8	•	Cu	3	-	3	2
Donaghadee	1014.0	+2	NNE	3	bc	51	75	8	2500	CuNb	6	-	6	2
Birr Castle	1013.6	•	E	2	bc	47	97	7	1500	Cu	1	C.Cu	6	•
Holyhead	1012.9	+3	N'E	3	bc	54	65	8	2500	StCu	3	Ci	4	2
Liverpool (Bidston) ...	1012.7	+3	NW	3	b	53	65	9	2500	StCu	1	Ci	1	•
Chester (Sealand) ...	1012.3	+4	NW'N	4	bc-	55	65	8	4000	StCu	1	C.Cu	3	•
Harrogate	1011.5	+2	W	3	b	49	75	8	-	-	0	A.Cu	2	
Spurn Head	1009.5	+2	NW	6	bc-	53	85	7	4000	Nb	3	Ci	4	3
Birmingham (Edgbaston)	1013.0	+3	NNW	3	bc+	55	75	6	2500	Cu	3	Ci	5	•
Crawwell	1011.4	+4	NW'W	3	bc	53	85	6	-	-	0	C.St	3	•
Gorleston	1009.2	+3	NW	2	c	56	97	6	2500	Nb	10	-	10	0
Valentia (Cahirciveen)P	1011.0	+1	E'N	3	c	53	75	8	2500	Cu	2	A.St	9	1
Roches Point	1011.1	+2	E	3	c	53	85	8	1500	StCu	10	-	10	4
Pembroke (St. Ann's H.)	1011.5	+2	N	4	c+	54	85	8	1500	StCu	7	A.St	9	1
Ross-on-Wye	1012.2	+3	N	2	c	56	75	7	4000	Cu	1	A.Cu	8	•
Leafield	1011.8	+3	N'W	3	c-	52	92	6	1500	St	4	A.St	9	•
Winchester (Worthy Dn.)	1011.9	+3	SW'W	2	or	57	97	7	1500	Nb	10	-	10	•
S. Farnborough ...	1011.5	+3	W'S	2	cr	58	92	6	1500	Nb	10	-	10	•
London (Kew Obsy.) ...	1011.5	+4	W'S	1	c	59	92	6	1500	St	8	A.St	10	•
Croydon	1011.3	+2	WNW	3	c+	59	92	6	1500	St	8	A.St	10	•
Shoeburyness	1010.8	+2	W	2	crr	60	97	6	2500	St	4	A.Cu	8	•
Clacton-on-Sea ...	1010.4	+2	W	3	c	59	97	7	2500	StCu	8	-	8	2
Felixstowe	1010.7	+3	WNW	3	c/r	59	92	6	800	StCu	10	-	10	1
Lympne	1011.1	+2	NW	3	cdd	57	97	5	220	St	10	-	10	•
Scilly (St. Mary's) ...	1011.1	0	E'S	4	orr	57	97	5	2500	Nb	10	-	10	4
Falmouth (Pendennis)	1010.5	0	ESE	1	orr	57	97	6	2500	Nb	10	-	10	0
Plymouth (Cattewater)	1011.4	+1	-	0	cdd	57	97	6	220	St	10	-	10	0
Portland Bill	1011.1	+2	W	1	c	60	92	8	1500	St	7	A.St	10	0
Southampton (Calshot)	1011.8	+3	WNW	3	crr	60	85	7	1500	St	7	A.St	10	0
Bungeness	1011.9	+2	WNW	2	or	60	97	6	800	Nb	10	-	10	3
Guernsey (Fort George) P	1012.7	+2	SWW	3	c	62	92	9	1500	StCu	9	-	9	3

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. 9h. 29th to 9h. 30th. °F.	Temperature. Max. 9h.-17h. 30th. °F.	Rainfall.† Night 17h.-9h. 29th-30th. mm.	Rainfall.† Day 9h.-17h. 30th. mm.	Sunshine. Sunrise to 17h. 30th. hr.	Sunshine. Sunrise to Sunset. 29th. hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Berwick-on-Tweed	bcc	cbcc	45	64	7	-	5.7	5.1
Douglas (I. o. M.) ...	bc	bc	47	61	0.5	-	11.1	9.7
Llandudno ...	c	cpc	52	61	-	Trace	3.6	8.0
Colwyn Bay ...	bbcbbc	c	51	61	-	-	3.3	7.8
Rhyl	bc	bccp	47	61	-	(Trace)	4.7	10.7
Wallasey	bcc	bccpc	49	63	0.3	Trace	3.1	10.1
Southport	bcco	occpo	*54	61	0.3	Trace	5.7	10.8
Blackpool	cbc	coc	54	62	-	-	6.1	10.2
Ilkley	b	bbcc	48	64	1	-	8.0	7.1
Cleethorpes	bbc	co	46	68	-	-	8.0	10.7
Skegness	bc	bcor	45	68	Trace	1	8.2	10.6
Aberystwyth ...	prcrr	rr	51	60	1	12	0.5	9.8
Bath	cpo	pocr	51	64	Trace	3	0.5	12.6
Cheltenham ...	cb	opr	51	63	-	1	0.7	8.8
Leamington Spa ...	cbo	or	48	64	-	0.4	3.0	13.5
Lowestoft	bcbbc	bccr	49	69	Trace	0.2	7.5	10.4
Harwich & Dovercourt	bc	bc	49	68	-	-	6.2	13.2
Maldon	bcc	c	46	71	-	-	3.4	11.7
Southend	bcc	cr	51	69	-	Trace	4.2	10.6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ilfracombe	orc	orr	54	63	6	5	0.1	11.7
Bude	dpro	opr	63	63	2	7	0.0	11.3
Penzance	orc	cr	54	64	1	3	0.0	9.0
Paignton	po o	orp	54	64	Trace	1	0.0	10.0
Torquay	ov	orporo	56	64	-	3	0.1	11.1
Jersey	bc	bc	58	70	-	-	6.3	9.7
Weymouth	cpc	cidc	53	65	0.1	0.5	0.4	11.1
Bournemouth ...	od	od	51	66	0.3	0.5	0.5	9.1
Ventnor ...	robc	bcow	56	65	0.5	-	3.2	11.9
Portsmouth (S'thsea)	cbc	o	52	68	1	-	1.5	10.2
Bognor	bcc	bcbcc	51	65	1	-	3.6	9.9
Littlehampton ...	cbc	bcc	51	64	0.3	-	3.8	9.6
Worthing	cbc	bcc	50	67	3	2	3.6	10.4
Brighton								
Eastbourne‡	ocbc	bco	52	68	2	-	3.2	8.0
Hastings‡	orobc	bcco	52	67	3	3	3.3	8.8
Folkestone	cvor	cvpo	51	67	Trace	Trace	1.6	10.6
Dover	roc	c	54	64	-	Trace	0.8	10.4
Tunbridge Wells ...	cop	copoc	46	65	-	0.5	2.2	12.0
Ramsgate	bcc	c	51	67	-	-	3.2	12.1
Margate	bc	bc	51	67	-	-	3.3	10.4
Deal	cbc	o	51	67	-	-	1.3	10.0

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 17h.-9h. ‡ 17h.-9h.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, JULY 1928

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st.	Stornoway	13h. humidity 85%
"	Valentia	" state of ground 1
"	Leafield	" humidity 65%
"	"	" vis. 9
"	Falmouth	" weather bc+
"	Dungeness	" cloud ht. 1500'
"	Scilly	18h. temp. 58°
"	Plymouth	" Bar. 1020.4
"	Westminster	max. 65°, min. 53°, grass 48°; Total rain 3 Hum. 15h. 57% Hum 9h. 58%.
"	Camden Sq.	Weather morning C " afternoon ccpc max 65° min 53°, day rain 2 night rain NIL; humidity 61%
"	Greenwich	Pole Star 30th 21.45 to 1st 2.15 Exposure 4.30 1.38 36% " 4.30 1.23 31%
"	Stornoway	Max 59°
"	Birmingham	Rain began 15.30
"	Leafield	Weather 13h-18h. bbc
"	Winchester	" 7h-13h. bcprcpr
"	S. Farnboro'	Sun. 11.1
"	Plymouth	Weather 7h-13h. bqbcpr
"	"	" 13h-18h. cqbcy
"	Dungeness	max. 63°
"	Kew	1h. temp 53°
"	Aberystwyth	cbc; bcc; 50; 57; NIL; NIL; 8.9; 27.
2nd	Eskdalemuir	13h. low cloud Nb.
"	Birr Castle	Hum. 92% (13h.)
"	Lympne	13h. cloud ht. 2500'
"	Calshot	" wind force 5
"	Guernsey	" Bar. 1023.4
"	Winchester	" state of ground 0
"	Ross-on-Wye	18h. Upper cloud A.Cu.
"	Calshot	" Sea 0
"	Lerwick	" Sun 2.6
"	Stornoway	Rain began 22.00
"	Eskdalemuir	" " 9.00
"	Lympne	min. 45° (grass)
"	Dungeness	" 56°
"	Plymouth	Weather 18h-1h. cbc
"	Edinburgh	1h Low cloud Cu
"	"	7h cloud ht 4000'; total amt. 6
"	Eskdalemuir	" Hum. 75%
"	Birmingham	" Bar. tendency +1
"	Lympne	" wind force 4
"	Colwyn Bay	Sun 15th 0.8; Sun 30th 1.08.
"	Aberystwyth	Day rain 0.2
3rd.	Leafield	18h. weather b
"	Lerwick	Sun 0.2
"	Stornoway	Day rain 6 mm.
"	Nairn	weather 13h-18h. bcpq
"	Malin Head	Sun. 2.6
"	Eskdalemuir	Rain began 15.30; Sun 5.8
"	Valentia	min. 47
"	Leafield	Sun. 4.5
"	Falmouth	Sun 1.7
"	Dungeness	min 56
"	Lerwick	1h. weather orr
"	Holyhead	" temp. 53°
"	Stornoway	7h. Bar. 1011.3
"	Wick	" Hum. 92%
"	Lewchars	" Bar. 1011.5
"	Harrogate	" Hum. 75%
"	Cranwell	" Bar. 1017.2
"	Pembroke	" Bar. 1015.6
"	Kew	" " tendency +2
"	Scilly	" " 1018.6
4th	Felixstowe	13h. cloud ht. 4000'
"	Plymouth	" weather crro
"	Holyhead	18h. Upper cloud Ci.St.
"	S. Farnboro'	" wind force 1
"	Plymouth	" Bar. 1016.4
"	Leafield	Day rain 2 mm.
"	Lympne	max 65°
"	Harrogate	7h. Bar. 1018.7
"	Brighton	Day rain "trace"
5th.	Nairn	18h. temp. 55°
"	Plymouth	weather 7h-13h. bbc
"	Falmouth	Sun 12.3
"	Valentia	weather 18h-1h. od
5th.	Dungeness	1h. Total cloud 10
"	Donaghadee	7h. Bar. 1004.1
"	Dungeness	" Total cloud 7
"	Ramsgate	Night Rain 5mm.
6th	Holyhead	13h. temp. 57
"	S. Farnboro'	" wind force 5
"	Renfrew	18h. Hum. 85%
"	Birmingham	" temp. 59°
"	Felixstowe	" Bar. 1010.1
"	Plymouth	" temp. 57°
"	Guernsey	" temp. 61°
"	Hampstead	Sun. 5.4
"	Harrogate	Rain began <8.00
"	Calshot	weather 13h-18h. co
"	Dungeness	min. 57°
"	Guernsey	max. 63°
"	Holyhead	1h. cloud ht. 5000'
"	Portland B.	" vis. 8
"	Stornoway	7h. Bar. 999.3
"	Tiree	" " 1002.7
"	Eskdalemuir	" Low cloud Cu.
7th	Malin Head	13h. " " St.Cu
"	Birmingham	18h. Bar. 1014.5
"	Croydon	Weather 13h-18h. cpr.
"	Chester	" 7h-13h. cqe; day rain NIL
"	Winchester	Day rain "Trace"; began <8.00
"	Dungeness	max. 66°
"	Birr Castle	min. 43°
"	Holyhead	1h. weather c-; cloud ht. 5700'; Form CuNb; amt. 9.
"	Shoeburyness	7h. temp. 59°.
8th	Malin Head	13h. low cloud Cu 2.
"	Tiree	18h. " " St.Cu
"	Eskdalemuir	" Bar. 1020.4
"	Westminster	7°; 53°; 46°; NIL; NIL; 10.1; 43%; 55
"	Greenwich	Pole Star 21.30 to 2.30 Exposure 5.0 5.0 100% " 5.0 5.0 100%
"	Lympne	Sun 4.0
"	"	7h. weather 0; cloud St 10.
9th	Roches Pt.	18h. temp. 59°
"	Scilly	Min. 54°
"	Spurn Hd.	1h. weather cro
10th	S. Farnboro'	13h. weather b
"	Malin Hd.	18h. cloud ht 4000'.
"	Guernsey	" Hum. 73%
"	Stornoway	min. 51°; night rain 0.2
"	Renfrew	weather 13h-18h. bcqc
"	Birr Castle	min. 50°
"	Spurn Hd.	min. 56°
"	Leafield	max. 70°
"	Inchkeith	18h. Sea 3
"	Roches Pt.	" Bar. 1022.6
"	Falmouth	" wind force 2
"	Skegness	Night Rain 0.4
11th	Malin Hd.	13h. weather cro
"	Leafield	" Bar. 1023.7
"	Falmouth	" cloud Cu. 2 Ci.St 4
"	Portland	" total cloud 8
"	Malin Hd.	18h. Low cloud Nb. 3.
"	Birr Castle	" Weather C
"	Kew	Vis. 9h. 8
"	"	Pollution 0.1 21st 10th <0.1 13th 10th
"	Liverpool	max. 65°
"	Winchester	Weather 7h-13h C
"	Scilly	Max. 64°
"	Guernsey	7h. Temp. 61°; Hum. 85%
12th	Scilly	13h. Bar. 1025.5
"	Roches Pt.	Weather 18h-1h. offdfdf
"	Portland	min. 54°
"	Scilly	1h. Temp. 54°
"	Falmouth	" cloud ht. <150'
13th	Wick	18h. cloud ht. 3000'
"	Stornoway	max. 58°
"	Renfrew	Weather 13h-18h. co
"	Holyhead	Day Rain "Trace"
"	Liverpool	Sun. 10.0
"	Falmouth	max. 70°; Sun 13.8
"	Dungeness	max. 72°
"	Cranwell	1h. Bar. 1022.2
"	Gorleston	" Hum. 65%
"	Tiree	7h. cloud ht. 2000'
13th	Birr Castle	7h. Hum. 75%
"	Harrogate	" wind SW
"	Leafield	" weather c-; cloud Stcu 9
"	Winchester	" " mo-
"	Felixstowe	" cloud Ci.St 2
"	Bournemouth	min. 45°
14th	Stornoway	13h. cloud CuNb 9
"	Holyhead	" weather c; Tot. cloud 8
"	Portland B.	" Low cloud CuNb.
"	Spurn Hd.	18h. Temp. 72°
"	Clacton	" Hum. 75%
"	Kew	Pollution min. time 16h.
"	Holyhead	Weather 13h-18h. cbcmo
"	Leafield	" 7h-13h. bc
"	S. Farnboro	" 13h-18h. bcyby
"	Chester	7h. Hum. 75%
"	Spurn Hd.	" cloud ht. 5700'
"	Pembroke	" " " 2300'
"	Leafield	" Bar. 1026.6
"	Hastings	Sun. 13th. 12.9
15th	Birr Castle	13h. Hum. 55%
"	City	Sun 14.5
"	Westminster	85°; 60°; NIL; NIL; 14.5; 25%; 46%
"	Hampstead	84°; 62°; 47°; NIL; NIL; 14.4; 49%
"	Greenwich	Pole Star 21.30 to 2.45 Exposure 5.15 5.15 100% " " " 7h. 15th
"	Sth. Kensington	Pollution max. 0.6 min. defective
"	Sealand	weather 7h-13h. b
"	Roches Pt.	" 18h-1h. bbcocw
"	Falmouth	1h. wind Force 1
"	Portland B.	" Hum. 45%
16th.	Spurn Hd.	13h. weather b-
"	Roches Pt.	" Bar. 1023.7
"	Tiree	18h. wind NNW
"	Dungeness	" wind force 2
"	Aberdeen	Sun. 0.1
"	Croydon	" 13.9
"	Wick	1h. wind W
"	Lerwick	7h. weather bc; cloud Cu. 6.
"	Stornoway	" Hum. 95%
"	Tiree	" wind Force 4
"	Birr Castle	" Hum. 95%
"	Birmingham	" Bar. 1027.4
"	Dungeness	" weather b/f
17th.	Edinburgh	13h. Hum 75%
"	Leafield	" " 55%
"	Croydon	" Bar. 1026.0; tendency 0
"	Tiree	18h. cloud St.Cu
"	malin Hd.	" Bar. tendency +1
"	Harrogate	" Temp. 69°
"	Spurn Hd.	" Upper cloud Ci. 4.
"	Eskdalemuir	weather 13h-18h. bcybybc
"	Birmingham	max. 72°
"	Cranwell	Sun 14.1
"	Portland	max. 76°
"	Pembroke	1h. wind. force 3
"	Tiree	7h. " W
"	Birmingham	" " NNW
"	Gorleston	" cloud Cu.
"	Cleethorpes	min. 57°
"	Ventnor	Sun. 12.2
18th	Leafield	13h. cloud ht. 5700'
"	Felixstowe	" Hum. 65%
"	Leafield	18h. cloud ht. 5700'
"	Aberdeen	Sun 9.8
"	Sealand	max. 68°
"	Calshot	min 56°
"	Wick	7h. cloud ht. 2000'
"	Malin Hd.	" " " 450'
"	Felixstowe	" Bar. 1026.6
"	Calshot	" Hum. 85%
"	Dungeness	" Total cloud 5
"	Edinburgh	1h. vis. 8
19th.	Liverpool	13h. Temp. 60°
"	Guernsey	" Bar. tendency -1
"	Eskdalemuir	18h. vis. 8
"	Ross-on-Wye	" Bar. 1024.1
"	Aberdeen	Day Rain "Tr." 9.00; Sun 4.2
"	Edinburgh	min 50°; Sun 7.5
"	Liverpool	weather 13-18h. co: max 60°

* The barometric change is expressed in half millibars

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION. CORRECTIONS AND ADDITIONS, JULY 1928

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
19th	Liverpool	Day Rain NIL
"	Cranwell	Sun 10.6
"	Ross-on-Wye	min 60°
"	Shoeburyness	" 55°
20th	Doraghadee	max. 64°
"	Harrogate	Grass min. 52°: Sun 9.8
"	Felixstowe	Sun 6.6
"	Falmouth	Sun 13.5
"	Calshot	min. 55°: grass min 53°
"	Wick	1h. Low cloud St Cu 6
"	Lerwick	7h. Hum 85%
"	Tiree	" Hum 75%: vis. 8
"	Aberdeen	" wind force 3
"	Spurn Hd.	" cloud A.St. 8
"	Plymouth	" Bar. 1028.3
"	Bude	max 58°
21st	Edinburgh	13h. Low cloud St.
"	Scilly	" Hum. 75%
"	Leafield	18h. wind NW'W
"	Renfrew	Weather 13-18h. c: 1-7h. bcc
"	Roches Pt.	" 18h-1h. bw
"	Plymouth	Sun 14.3
"	Cranwell	1h. vis 6
"	Dungeness	7h. Bar. 1022.8
22nd	Gorleston	13h. cloud ht. 5700'
"	Edinburgh	18h Temp. 63°
"	Eskdalemuir	" " 60°
"	Westminster	79°: 57°: 49°: NIL: NIL: 37: 49
"	Hampstead	71°: 54°: 42°: NIL: NIL: 54
"	Leuchars	Sun 13.8
"	Sealand	Weather 7-13h. cbc
"	S. Farnboro'	Grass min. 34°
"	Croydon	Weather 18-1h. by
"	Edinburgh	7h. Bar. 1018.2
"	Leuchars	" Upper cloud A.Cu
"	Croydon	" Bar. 1023.0
23rd	Edinburgh	13h. " 1017.9
"	Scilly	" weather bc+
"	Falmouth	" Hum. 55%: vis. 8
"	Malin Hd.	18h. " 92%: " 7
"	Lympne	" wind force 2
"	Birr Castle	max. 65°
"	Holyhead	Weather 18-1h. prcbc
"	S. Farnboro'	max. 88°
"	Dungeness	" 73°
"	Falmouth	7h. cloud St Cu 8.
"	Dungeness	" Hum. 55%
24th	Guernsey	13h. Bar. 1024.1
"	Leuchars	Sun 0.4
"	Valentia	Day Rain 1
24th	Winchester	Weather 13-18h. cy: Night "Tr." 6.3
"	Portland	min. 61°
"	Penzance	" 60°
25th	Renfrew	13h. Bar. 1014.6
"	Scilly	" weather fo
"	Falmouth	Sun. 7.7
26th	Doraghadee	Weather c-: cloud Cu. 8 (B)
"	Falmouth	13h. Temp. 69°
"	Lerwick	18h. Hum. 92%: vis. 7
"	Edinburgh	" Sea 2
"	Stornoway	Night Rain 1
"	Birmingham	Day " 0.2
"	Shoeburyness	Weather 7-13h. c r o c
"	Lerwick	1h. Bar. 999.3
"	Clacton	7h. Temp. 63°
"	Rhyl	max. 66°
27th	Lerwick	13h. wind NW: cloud ht. 2500'
"	Tiree	" Hum. 92%
"	Eskdalemuir	" Temp. 57°
"	Lerwick	18h. wind NW
"	Wick	" Low cloud CuNb.
"	Renfrew	" weather c/r
"	Eskdalemuir	" wind SSW
"	Guernsey	" Hum. 85%
"	Greenwich	Weather night c ⊕ bcrtem
"	Lerwick	Sun 2.5
"	Wick	Night Rain 0.1 24.00
"	Tiree	Sun 0.6
"	Renfrew	Weather 13-18h. crr
"	Leuchars	" 7-13h. ccy: 1-7h. o r o r o
"	Eskdalemuir	Day Rain 0.5
"	Plymouth	Weather 1-7h. o r o o m o
"	Lerwick	1h. wind NW: vis 8: cloud 2500
"	Valentia	" weather mmo: vis. 4
"	Calshot	" Bar. 1010.8
"	Spurn Hd.	7h. weather c
"	Clacton	" " cr
"	Plymouth	" Bar. 1006.6
"	Guernsey	" " 1007.5: temp. 65°
"	Bath	Sun 3.0
28th	Pembroke	18h. wind WNW
"	Camden Sq.	co: or: 72°: 53°: -: 3: 11: 72%
"	Leuchars	Weather 1-7h. 7 o c c r o
"	Tynemouth	min. 49°: grass min. 46°
"	Gorleston	Weather 13-18h. o i r r
"	Leafield	" 7-13h. o r r t o
"	Dungeness	1h. weather c/d
"	Holyhead	7h. Sea 3
"	Clacton	" Bar. 1001.3
"	Dungeness	" cloud St Cu
28th	Southend	Night Rain 3
"	Tunbridge W.	min. 57°
29th	Birr Castle	13h. temp. 57°
"	Lerwick	18h Low cloud Cu. at 2500'
"	Leuchars	" Cloud ht. 4000'
"	Birr Castle	" Bar. 1005.8
"	Liverpool	" Weather c R H R H
"	Birmingham	" Temp. 61°
"	Cranwell	" wind force 4
"	Valentia	" Temp. 57°
"	Lympne	" Total cloud 3
"	Westminster	67°: 50°: 44°: -: -: 46: 64
"	S. Kensington	Pollution <0.3 throughout
"	Greenwich	Pole Star 21.00 to 3.15
		Exposure 6.15 6.10 99%
		" " "
		Sun 5.9
"	Birr Castle	Weather 1-7h. bccp
"	Valentia	" 7-13h. bcy
"	Winchester	" 13-18h. bybc
"	Plymouth	1h wind WSW
"	Spurn Hd.	1h. cloud CuNb 7 ACu 7
"	Falmouth	" Temp. 60°
"	Dungeness	7h. Bar. tendency +1
"	Roches Pt.	" Temp. 55°
"	Calshot	13h. cloud ht. 2500'
30th	Guernsey	18h wind WSW: cloud ht. 2500'
"	Cranwell	" " WSW.
"	Dungeness	Sun. 13.0
"	Croydon	Pollution <0.1 throughout
"	Kew	Weather 13-18h. c r, c
"	Roches Pt.	" 1-7h. c q r o r o
"	"	" " c p o
"	Leafield	" " b w b c
"	S. Farnboro'	1h. Bar. 990.7: Weather o r
"	Lerwick	7h. Low cloud St Cu 5
"	Leafield	Weather bcp: bcph.
"	Littlehampton	18h. Hum. 85%
31st	Lerwick	Weather 7-13h. cp
"	Malin Hd.	" 18-1h. c p r b c
"	Eskdalemuir	Day Rain began 12.30
"	Leuchars	Sun 5.1
"	Holyhead	Weather 13-18h. o r R r: Day Rain 7
"	Birmingham	" 1-7h. c d o e
"	Leafield	" 18-1h. c r o o i r: 1-7h. o r R
"	S. Farnboro'	Sun 5.8
"	Felixstowe	Weather c r o
"	Lerwick	" " bc-
"	Stornoway	" " c
"	Clacton	Cloud ht. 800'
"	Dungeness	Weather = o d o: o d o
"	Bournemouth	

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. in.b.	Change in 3 Hours.*	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Bed. 0-9	Summaries for the past 24 hours. Weather. 7h.-13h.	Weather. 13h.-18h.	Weather. 18h.-1h.	Weather. 1h.-7h.	Temperature. Max. Day. 7h.-13h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h.	Rainfall.† Night. 18h.-7h.	Rainfall.† Precipitation began.
5th	Holyhead 18h.									5700	St	9	ast	10											
8th	Blacksod Pt. 18h.	1017.6	-3	S	5	c	56	85	9	·	StCu	9	-	9	2		c	cR	Rc	60	55	·	-	3	-
"	" 1h.	1012.8	-2	S	5	oRR	56	97	6	·	Nb	10	-	10											
"	" 7h.	1013	+1	S	3	c	56	85	8	·	StCu	8	-	8	4										
9th	" 13h.	1014.7	+3	SSW	4	bc	60	85	8	·	-	0	ci	5											
"	" 18h.	1015.3	+1	W	4	bc	58	75	8	·	Cu	6	-	6	4	cb(b)	bcc	c	pcc	60	52	·	0.4	2	-
"	" 1h.	1014.2	-1	SW	4	c	56	85	6	·	CuNb	8	-	8											
"	" 7h.	1015.6	-3	WSW	5	bc	56	75	6	·	Cu	7	-	7	5										
11th	Eskdalemuir 18h.	1014.7	0	SSW	5	or	53	97	5	450	Nb	10	-	10			orroim	odorm	orrm	56	53	53	5	18	
"	" 7h.	1015.9	+1	SW'S	4	odd	57	97	5	1500	Nb	10	-	10											
"	Malin Hd. 1h.	1010.6	+1	SW	5	cro	59	97	7	5700	Nb	1	ast	9				cirro							
12th	Blacksod Pt. 13h.	1014.9	+3	SSW	5	c	61	85	6	-	-	0	ast	10											
"	" 18h.	1016.9	+2	W	4	c	61	85	6	-	StCu	8	-	8	6	c	poc	c	c	61	55	·	0.1	-	-
"	" 1h.	1017.8	+1	SW	4	c	56	92	7	-	CuNb	8	-	8											
"	" 7h.	1017.2	0	SSW	4	bc	57	85	8	-	Cu	6	-	6	4										
13th	Falmouth 1h.	1024.7		NW	1	c+	59	97	1	4000	StCu	9	-	9				bcc							
21st	Gorleston																					40			
22nd	Plymouth 13h.	1028.1	-1	NW	4	b	73	55	7	2500	Cu	1	-	1	0	bcby									
28th	Falmouth 7h.	1005.9	+2	NW	2	bc-	57	85	8	4000	CuNb	4	aCu	5	0				bcRm	67	56	·		6	<21.00
"	Birr Castle 7h.									2500	StCu	9	-	9											

* The barometric change is expressed in half millibars.