M.O. Form 2373.

THE DAILY WEATHER REPORT

BRITISH SECTION

1st July to 30th September

1937.

AIR MINISTRY. METEOROLOGICAL OFFICE, LONDON. W.C.2.

INTRODUCTION

The Daily Weather Report has been issued in three sections since April 1, 1919. The section of which this forms the Introduction is known as the " British Section."

NOTES REGARDING THE BRITISH SECTION.

Description of each issue:—The British section is issued daily by 12.30 p.m. (except that Sunday's issue is printed on Monday) and contains—

(*a*) On pp. 1 and 4 two tables of observations taken generally at 13h. and 18h. G.M.T. of " yesterday," and at 1h. and 7h. G.M.T. of " to-day " from about 45 stations in the British Isles, which regularly report to the Meteorological Office, and of the weather in the intervening intervals. These observations are telegraphed in a figure and letter code. The stations are arranged according to Forecast Districts as described at the foot of p. 2 of the report, and also on p. 4 of this Introduction. Whenever it is possible to do so without occupying too much space, the decoded values are set out in full in the table ; in other cases, code figures are entered ; these are interpreted by reference first to the number printed at the head of the column, and then to the Explanation printed at the foot of pp. 1 and 4, where the column numbers are shown in connexion with each of the separate classes of observation.

(*b*) Observations made at nine London Stations during the 24 hours ending 7h. or 9h.

(*c*) Table of atmospheric pollution for " yesterday " for South Kensington and Kew Observatory.

(*d*) Observations for " yesterday evening " and " this morning " from five capital cities on the Continent of Europe.

(*e*) On p. 2, a table of weather reports from British health resorts for the previous day, arranged under forecast districts.

(*f*) A weather chart (scale 1 : 10,000,000) for the British Isles and the neighbouring parts of the Continent and of the Atlantic. An explanation of the chart is printed below it.

(*g*) A " general inference " drawn up by the forecaster from all the weather charts available. This inference sets out the meteorological changes in progress and the deductions to be drawn from them.

(*h*) Weather forecasts for the 24 hours commencing 12 noon of the day of issue for 20 districts into which the British Isles are divided.

(*i*) A " further outlook," i.e. an indication of the changes to be expected after the expiry of the term of the forecasts, if the meteorological conditions are such as to warrant the issue of such an extension.

(*j*) On p. 3, a weather chart for the greater part of the Northern Hemisphere, including the whole of Europe, part of N. Africa, the Northern part of the N. Atlantic, N. America and usually a part of Russia in Asia.

The observations presented on this chart are not synchronous. Those for most of Europe (excluding Russia) and neighbouring countries refer to 7h. G.M.T., exceptions being :—Austria, Bulgaria, Greece, Hungary, Jugoslavia, Turkey, Cyprus, Egypt, Palestine, Syria, Sudan, Iraq (6h. G.M.T.) Azores (8h. G.M.T.). The Greenland observations shown are made at 0h. G.M.T. with the exception of these for Mygbugten, and Torgilsbu which are for 7h. G.M.T. ; while those for North America are made at 1h. G.M.T.

In the case of ships at sea, the hour of observation for vessels east of 40° W. is 6h. G.M.T. while that for vessels west of 40° W. is 0h. G.M.T.

Thus, within each of the two sectors 40° W. to 170° W. and 30° E. to 40° W.. the observations are approximately synchronous among themselves though most of those in the western sector refer to an epoch 6 hours earlier than do most of those in the eastern sector.

The observations shown for Russia and Siberia are especially to be noted from this standpoint of time. They are made at 7h. *local time* which implies that the absolute time to which they refer varies over a wide range, viz. ; from 5h. G.M.T. in the longitude of Leningrad (35° E.) to 19h. G.M.T. of the *previous day* in longitude 180° E.

The map on the following page shows graphically the hours of observation over the various parts of the weather chart for the Northern Hemisphere.

Wind:—The force of the wind is indicated in each issue of the Report by figures on the Beaufort Scale. The equivalents between numbers of the Beaufort Scale and the indications of an anemometer when exposed at a height of 30 to 40 feet above the ground are set out at the foot of p. 2 of each issue. Stations where such anemometers are installed determine their Beaufort numbers from their anemometers At stations where anemometers are not in use, the force of the wind is estimated by means of the specification set out below. All wind directions are " true " or geographical, as distinguished from " magnetic."

Gale warnings:—A note regarding the meaning of gale warnings and the method of indicating in the Report to what districts warnings may have been issued is also shown below.

The International and Upper Air Sections.

The other two sections of the Daily Weather Report are Royal quarto in size.

The International Section contains 4 pp. per day and is issued daily by 3.30 p.m., but the issues for Saturday and Sunday are made on Monday. The " International Section" contains information received from the Continent of Europe, the Mediterranean Basin, Iceland and the Azores, and from ships on the Atlantic, arranged as follows :—

(*a*) Two weather maps (Scale 1 : 20,000,000) for Europe, the Mediterranean and Eastern Atlantic for 18h. yesterday and 7h. to-day.

(*b*) Two inset maps (Scale 1 : 20,000,000) for Northwest Europe for 13h. yesterday and 1h. to-day.

(*c*) Table of meteorological observations taken at about 80 stations, mostly on the Continent of Europe (not for the British Isles).

(*d*) Table of meteorological observations received by Wireless Telegraphy from Ships on the Northern Atlantic.

This section is very useful to one who wishes to trace the passage of various weather systems, since the 4 charts for each 24 hours enable the reader to follow the course of events in detail. From 1st March, 1933, the positions of well-defined warm, cold and occluded fronts have been indicated on the weather maps.

Upper Air Section:—The third section, called the "Upper Air Section" consists of 2 pp. Royal quarto per day and the issue for " yesterday " is published immediately prior to the issue of the British Section for " to-day." It contains maps, diagrams and tables showing upper air currents, pressures and temperatures over the British Isles and the Continent of Europe.

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 British Land Stations.	Limits of Mean Velocities Statute Miles per Hour as recorded by well exposed anemometers about 40 feet above ground.
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 Signals remain hoisted after the receipt of a warning telegram until danger of a gale is passed.

The *North Cone* (point upwards) is hoisted for gales commencing from a Northerly point.

For gales commencing from East or West the North Cone will be hoisted if the gale is expected to change to a Northerly direction.

The *South Cone* (point downwards) is hoisted for gales commencing from a Southerly point. Such gales often veer, sometimes as far as Northwest.

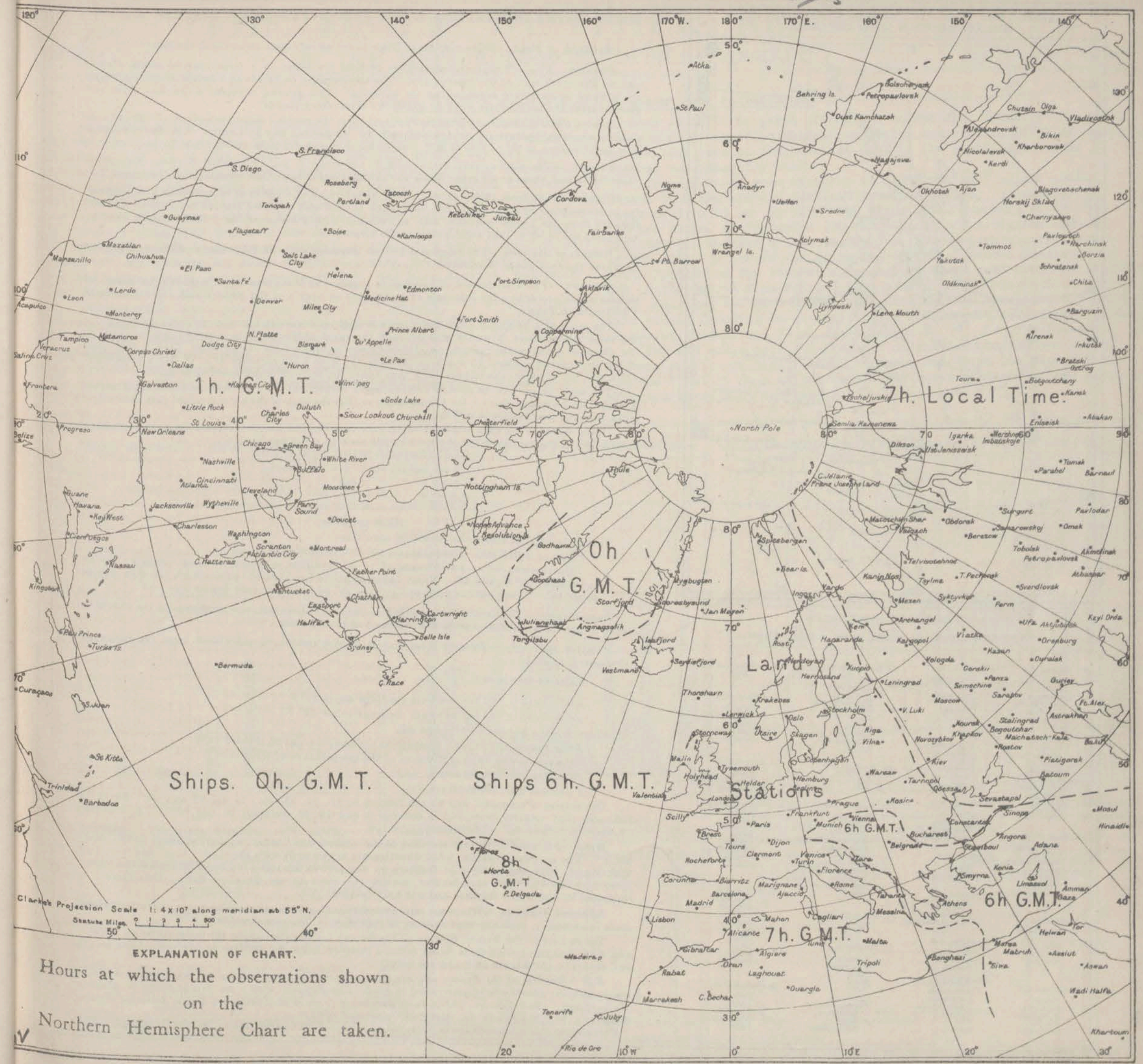
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

The districts to which warnings are sent are shown in the Report by the following symbols written on page 2 against the forecast districts to which they apply :—

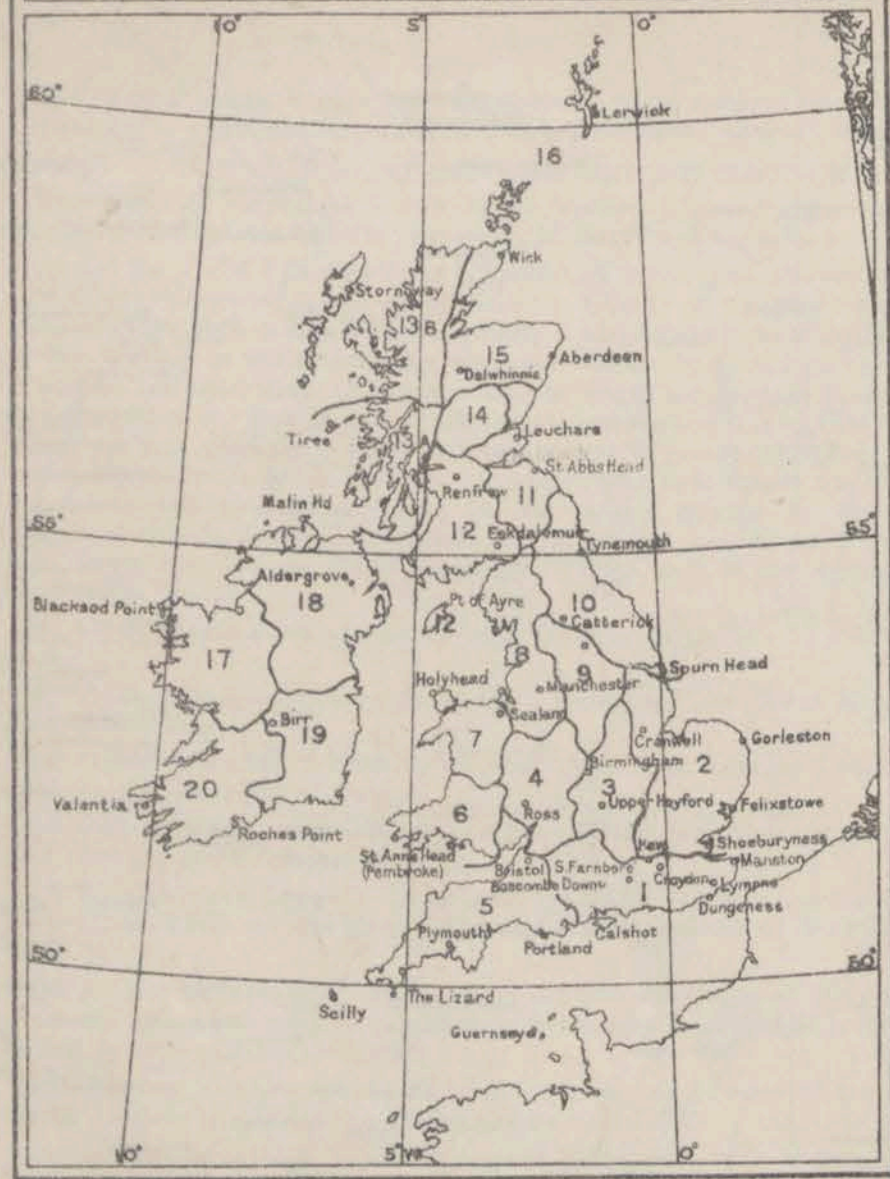
▲ North Cone hoisted : ▼ South Cone hoisted :

The time or times of issue of the gale warning telegrams is shown below the further outlook " on page 2 of the Report.

2284/3


1h. G.M.T.
7h. Local Time.
Oh G.M.T.
Ships. Oh. G.M.T.
Ships 6h. G.M.T.
Land Stations
6h G.M.T.
8h G.M.T
6h G.M.T.
7h. G.M.T.
North Pole
Clarke's Projection Scale 1: 4X10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500
EXPLANATION OF CHART.
Hours at which the observations shown on the Northern Hemisphere Chart are taken.

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND



FORECAST DISTRICTS
and the Counties comprised within them.

1. *England, S.A.*
   Kent.
   Sussex.
   Surrey.
   Hampshire.
   Berkshire.
   Wiltshire.

2. *England, E.*
   Essex.
   Middlesex.
   Hertford.
   Bedford.
   Huntingdon.
   Cambridge.
   Suffolk.
   Norfolk.
   Lincoln.

3. *Midlands, E.*
   Buckingham.
   Oxford.
   Northampton.
   Warwick.
   Leicester.
   Rutland.
   Nottingham.

4. *Midlands, W.*
   Gloucester.
   Hereford.
   Worcester.
   Shropshire
   Stafford.

5. *England, S.W.*
   Dorset.
   Somerset.
   Monmouth.
   Devon.
   Cornwall.

6. *Wales, S.*
   Glamorgan.
   Brecknock.
   Carmarthen.
   Pembroke.
   Cardigan.
   Radnor.

7. *Wales, N.*
   Montgomery.
   Merioneth.
   Flint.
   Denbigh.
   Carnarvon.
   Anglesey.

8. *England, N.W.*
   Cheshire.
   Lancashire.
   Westmoriand.
   Cumberland.

9. *Midlands, N.*
   Derby.
   Yorkshire, W.

10. *England, N.E.*
    Yorkshire, N. & E.
    Durham.
    Northumberland.

11. *Scotland, S.E.*
    Roxburgh.
    Selkirk.
    Peebles.
    Berwick.
    Haddingtbn.
    Edinburgh.
    Linlithgow.
    Clackmannan.
    Kinross.
    Fife.
    Forfar

12. *Scotland, S.W., and Isle of Man.*
    Isle of Man.
    Dumfries.
    Kirkcudbright.
    Wigtown.
    Ayr.
    Lanark.
    Renfrew.
    Dumbarton.
    Stirling.

12A. *Scotland, W.*
    Argyll.
    Bute.

12B. *Scotland, N.W.*
    Hebrides.
    Western parts of Inverness, Ross and Cromarty, Sutherland.
    (Boundary line runs from Rannoch Station through Fort Augustus, Beauly and Lairg to Melvich).

14. *Mid. Scotland.*
    Perth.

15. *Scotland, N.E.*
    Kincardine.
    Aberdeen.
    Banff.
    Elgin.
    Nairn.
    Caithness.
    Eastern parts of Inverness, Ross, Sutherland.

16. *Orkneys and Shetlands.*

17. *Ireland, N.W.*
    Galway.
    Roscommon.
    Mayo.
    Sligo.
    Leitrim.

18. *Ireland, N.E.*
    Meath.
    West Meath.
    Longford.
    Cavan.
    Fermanagh.
    Monaghan.
    Louth.
    Armagh.
    Down.
    Antrim.
    Londonderry.
    Tyrone.
    Donegal.

19. *Ireland, S.E.*
    Waterford.
    Wexford.
    Kilkenny.
    Carlow.
    Wicklow.
    Offaly.
    Leix.
    Kildare.
    Dublin.

20. *Ireland, S.W.*
    Cork.
    Kerry.
    Limerick.
    Tipperary.
    Clare.

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT.

Standard of Time.—Greenwich Mean Time is exclusively used throughout the Report.

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

London Observations.—As from 1st January, 1934, the rainfall measurements at all the London stations where raingauges are maintained, refer to two periods, day and night. The day period at Kew and Croydon is 7h. to 18h. G.M.T.; at all other stations it is 9h. to 18h. G.M.T.

Valentia.—The observations at 1h. G.M.T. are taken at the Post Office Wireless Station on Valentia Island, those at all other hours at the Observatory near Cahirciveen on the mainland.

Holyhead.—As from 10th February, 1934, as the result of a series of comparisons with another gauge surrounded by a turf wall, the raingauge at this very exposed station was moved a short distance from its former position, and surrounded with a standard turf wall, with a view to increasing the catch to that appropriate to the locality.

Heights of Stations.—The heights of British Stations above M.S.L. 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 page 2 of the Report and for intervals of 4 millibars on Page 3.

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 for the chart on Page 2 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.

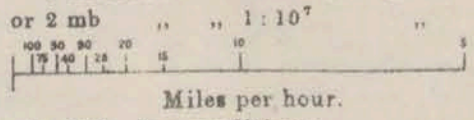
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

If the distance between consecutive isobars is measured along the scale from the left-hand extremity the geostrophic wind is shown by the scale in miles per hour.

GEOSTROPHIC WIND SCALE FOR

8 mb isobars on $1 : 4 \times 10^7$ Charts.

or 2 mb ,, ,, $1 : 10^7$,,



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 positions of the stations.

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

$$\text{Relative humidity} = \frac{100x}{F}$$

$x = f - \cdot 444\,(t - t')$ 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 dry bulb;

f the saturation vapour pressure at the temperature of the wet bulb;

t the dry bulb temperature; and

t' the wet bulb temperature.

The entries in columns 7 and 21 are limited to 10, 25, 35, etc., to 85, 92 and 97. Entry 10 indicates that relative humidity is between 0 and 19: 25, between 20 and 29;.....and so on; 92, between 90 and 94; 97 between 95 and 100.

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. Until and including 29th March, 1936, the number of feathers on the arrows denotes wind force by Beaufort number. from 30th March, 1936. each feather denotes two steps on the Beaufort Scale; thus force 5 is indicated by two whole feathers and one half feather.

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 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

N.B.—Readers of the Report who are unacquainted with the method of construction and the use of weather charts are recommended to read "The Weather Map: An Introduction to Modern Meteorology," (2nd Edition. 1930), to be purchased from H.M. Stationery Office, Adastral House, Kingsway, W.C.2, price 3s. 2d. post free. (Reprinted 1933).

Corrections and additions can be obtained, if required, on application to the Meteorological Office.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT, JULY, 1937 No 247.

Very dull; a dry spell in the second half of the month.

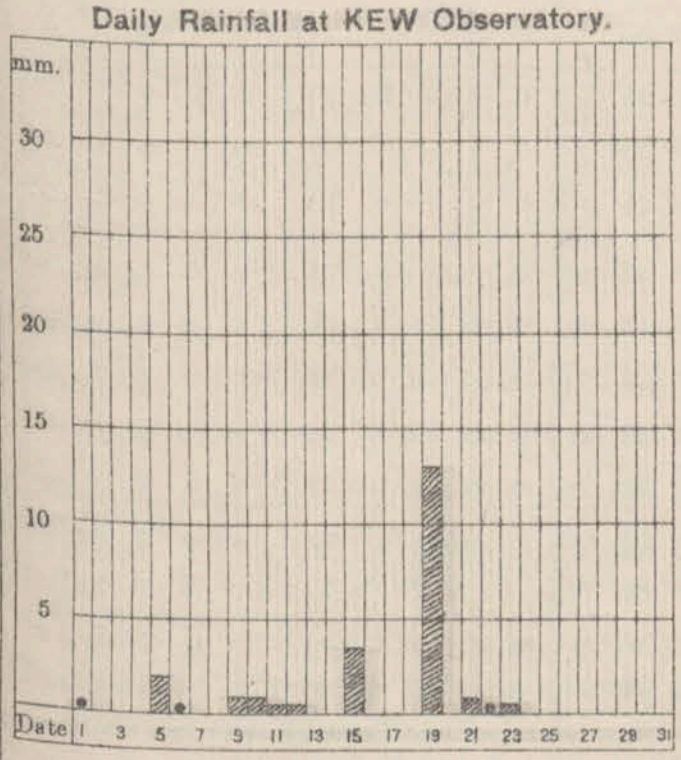
July was notable for the extreme paucity of sunshine throughout the British Isles, several places in the Northwest having approximate totals of only about 100 hours. A new low July record was set up at Cranwell and the previous record was equalled at Lympne for observations subsequent to 1920 at both stations. Kew has only recorded 6 lower July totals since 1880. Ireland had a wet month; Valentia recorded the wettest July since 1866. Elsewhere rainfall was more variable but in a belt across West England, the Midlands and the eastern counties of England and Scotland excess rainfall accumulated with thunderstorm distributions notably in South Scotland during the first week and in England about a week later. Parts of S.W. and S.E. England had much less than normal rainfall.

Depressions developed frequently on the Atlantic to W. and S.W. of Ireland during the first three weeks, and usually moved up between E. and N.E.; not until towards the end of the month was the distribution approximately anticyclonic. Periods of fine warm weather were consequently transient. Maxima of over 80°F. occurred in England on the 2nd - 3rd (86°F. Herne Bay on 3rd) but were followed by a fall of as much as 20°F. in parts of England on the 4th. Temperatures rose to over 80°F. again in England and Wales and reached 84°F. at Jersey on the 14th, one of the sunniest days of the month. Afterwards weather was generally cool.

Thunderstorms were frequent in the first half of the month. Storms in N. England and Scotland gave heavy rain; an unusually large fall of 62 mm. at Edinburgh between the evenings of the 3rd - 4th and 45 mm. at Tynemouth (7h-7h). Scotland, E. England and the Midlands had further storms on the 9th, the eastern counties again on the 10th. A severe and extensive series of storms developed in South Ireland on the 14th as a depression moved east from the Atlantic and another north from France. The storms crossed England during the 15th, reaching the East Coast during the night. Exceptionally heavy rain caused flooding in several towns, the largest measurements being 84 mm. at Bristol and 78 mm. at Weymouth.

Fog was widespread and frequent on the S.W. coasts and in the Western English Channel, and at times in the Irish Sea especially for the first 15 days or so, whilst the coast of Scotland was often affected throughout the month.

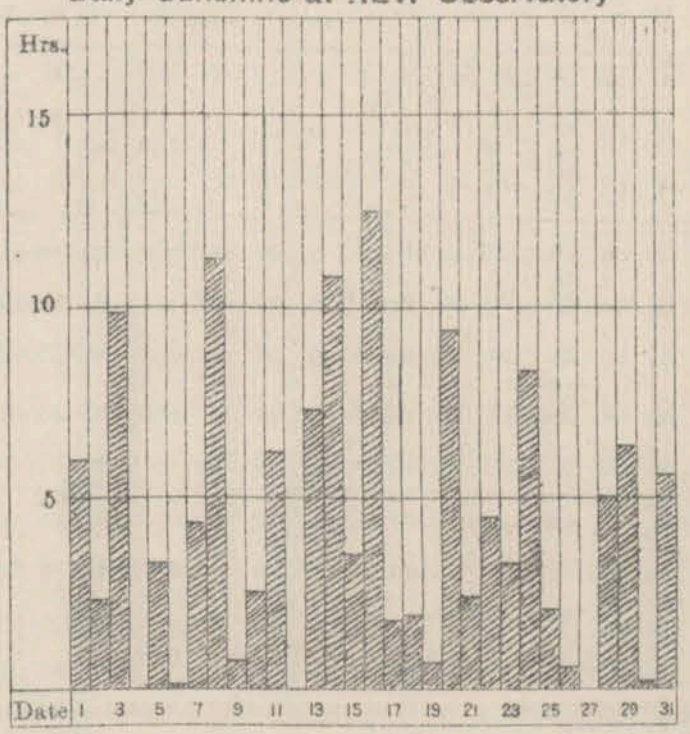
Daily Rainfall at KEW Observatory.



• = Less than 0·5 mm.

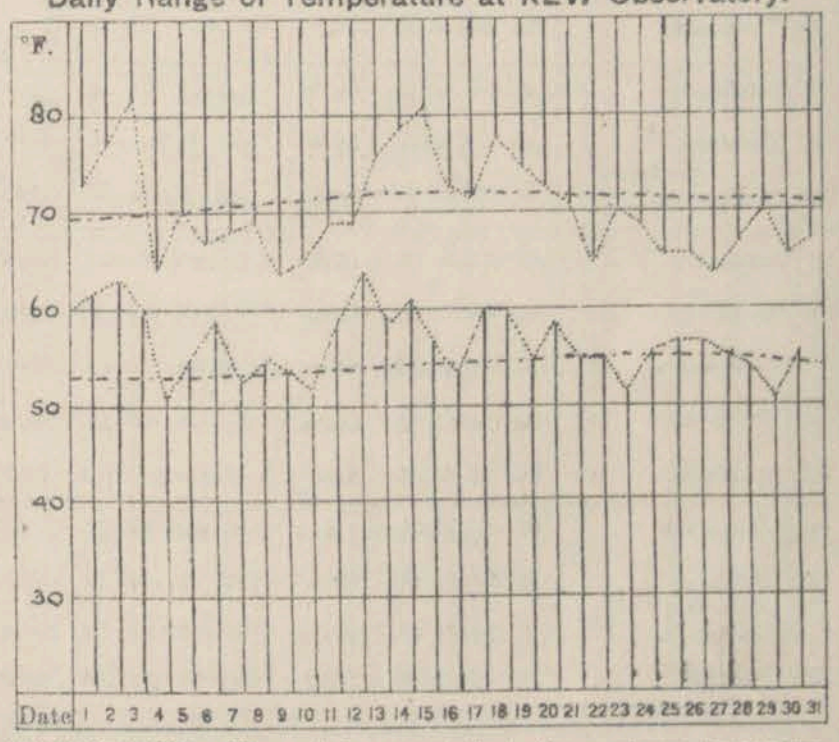
RAINFALL. Total for Month. 24 mm.

Daily Sunshine at KEW Observatory



SUNSHINE. Total for Month. 135 hrs.

Daily Range of Temperature at KEW Observatory.



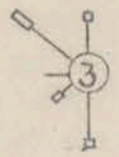
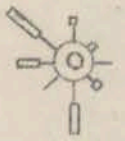
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Stations.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb.	mb.	°F.	°F.
Kew	1016·1	+0·3	63·7	-0·8
Aberdeen	1012·5	-0·5	56·6	-1·3
Valentia	1016·5	+0·4	58·6	-0·6

*Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 18 h. daily corrected.
Temperature—mean of Max. and Min.

WIND FREQUENCIES AT 7 hr.

Kew	Aberdeen	Valentia
		
1	3	0

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.

"RUN" of WIND, or total displacement of air relative to the anemographs.

	miles.
Kew ...	5,448
Aberdeen ...	5,165
Lerwick ...	10,201
Valentia ...	8,590

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	Stations.	†TEMPERATURE. Number of daily readings within fixed limits. Maximum. 51°-59°	60°-68°	69°-77°	78°-86°	Average Maximum. °F.	Minimum. 33°-41°	42°-50°	51°-59°	60°-68°	Average Minimum. °F.	Extremes—Warmest and Coldest. Days. Highest Max. °F.	Date.	Lowest Max. °F.	Date.	Nights. Highest Min. °F.	Date.	Lowest Min. °F.	Date.	Number of Ground Frosts.	LOW CLOUD. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	FOG, MIST and GOOD VISIBILITY. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ... (Kew Obsy).	0	12	15	4	72.8	0	0	23	8	56.2	82	3	64	4,9,27	64	13	51	5,30	0	2	25	0	1	30	0	0	29	0	0	0	0	0	18	0	0	0	0	29
	Croydon ...	0	16	12	3	71.9	0	1	25	5	54.6	82	3	62	4,5	64	3	48	30	0	4	19	4	1	26	4	2	23	2	0	0	0	0	20	0	0	0	0	26
	Calshot** ... (Southampton)	0	17	14	0	69.8	0	3	21	7	56.0	77	3	62	6	63	14	48	8	0	4	23	0	6	23	1	5	21	2	0	0	0	0	21	0	0	0	0	25
	Lympne ...	0	19	11	1	68.8	0	5	22	4	53.8	79	3	61	9	61	13	47	30	0	10	15	5	3	26	2	4	16	4	0	0	1	0	16	0	0	0	0	28
2	Shoeburyness ...	0	13	16	2	71.8	0	3	20	8	54.4	81	3	64	27,31	64	13,19	48	30	0	1	23	2	1	28	2	0	27	1	0	0	0	0	16	0	0	0	0	28
	Gorleston ...	1	25	4	1	67.9	0	4	20	7	55.4	78	13	59	25	62	13,19	49	10	0	1	22	0	0	30	0	0	24	0	0	0	0	0	4	0	0	0	0	6
	Cranwell ...	0	14	14	3	71.0	0	9	17	5	52.6	84	3	61	27	61	13,18,19	43	29	0	1	22	3	2	29	0	1	27	0	0	0	0	0	18	0	0	0	0	24
3	Birmingham ... (Edgbaston)	1	21	7	2	69.3	0	6	19	6	54.1	79	3,14	59	27	62	13	47	5	0	6	16	0	1	27	0	1	26	0	0	0	2	2	14	0	0	0	1	25
4	Ross-on-Wye ...	0	19	10	2	70.6	0	8	18	5	53.7	80	3	62	4,26,27	62	13,14	45	8	0	3	22	0	2	28	0	0	27	0	0	0	0	1	22	0	0	0	0	26
5	The Lizard ...	0	28	3	0	*	0	1	29	1	*	72	18	60	4,11,12	60	19	49	8	*	1	22	0	0	30	0	0	24	0	0	5	4	0	20	0	1	3	1	23
7	Holyhead ...	5	26	0	0	62.9	0	1	30	0	55.1	68	17,31	58	5	58	3,18	50	11	0	11	18	0	5	24	0	5	23	1	0	0	2	2	21	0	0	0	1	27
8	Chester ... (Sealand)	3	13	13	2	66.8	0	7	20	4	53.2	81	14	58	7,25	62	2	44	8,11	0	2	21	3	4	25	1	2	25	2	0	1	0	1	15	0	0	0	0	23
10	Tynemouth ...	8	19	4	0	64.7	0	2	26	3	53.9	75	14	57	4,28,29	61	15	50	10,31	0	6	25	0	10	21	0	8	23	0	0	0	1	0	13	0	0	0	0	23
11	Leuchars ...	4	21	6	0	65.8	1	11	19	0	50.9	76	31	56	4	59	3,14	41	11	0	4	24	0	5	26	0	3	23	0	0	0	0	0	26	0	0	0	0	24
12	Renfrew ...	0	24	7	0	66.0	1	14	15	1	51.5	76	31	60	3,8	61	18	40	11	0	9	19	0	3	24	2	1	25	2	0	0	0	1	16	0	0	0	0	24
	Eskdalemuir ...	6	21	4	0	64.0	2	16	13	0	48.8	74	31	53	4	59	18	40	8	0	19	12	0	8	23	0	9	22	0	0	0	3	0	14	0	0	0	0	24
13B	Stornoway	16	15	0	0	60.9	0	13	18	0	50.5	66	30	56	4,7,28	57	18	42	4	*	0	31	0	0	31	0	0	31	0	0	0	0	0	29	0	0	0	0	30
15	Aberdeen ...	11	15	5	0	64.1	0	11	20	0	51.7	73	31	52	4	57	3,7,15	43	11,29	0	3	23	1	5	25	0	6	20	2	0	0	0	0	25	0	0	0	0	23
18	Aldergrove ...	8	15	8	0	*	0	14	15	2	*	77	31	55	3	61	14	42	11	0	20	8	0	7	23	0	7	22	0	0	0	0	0	20	0	0	0	0	25
19	Dublin ... (Phœnix Park)	1	18	12	0	67.1	0	13	15	3	50.6	77	31	58	8	61	2	44	8	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birr Castle ...	2	22	7	0	67.0	1	12	15	3	52.5	77	31	57	8	62	14,18	41	20	0	0	30	0	0	31	0	0	30	0	0	0	0	0	31	0	0	0	0	31
20	Valentia ... (Cahirciveen)	4	25	2	0	63.7	0	4	27	0	54.7	73	30	58	24	59	12	49	31	0	14	15	0	9	20	1	11	18	1	0	0	0	2	27	0	0	0	0	26

UPPER AIR TEMPERATURE.

Pressure mb.	Normal Height. Feet.	Normal Temperature. °F.	Mildenhall. Mean. °F.	Mildenhall. No. of Reports.	Aldergrove. Mean. °F.	Aldergrove. No. of Reports.	Mean. °F.	No. of Reports.
950	1,930	57.5	55.4	48	53.5	42		
850	4,840	47.3	46.8	48	44.5	42		
700	9,190	38.5	39.9	48	36.9	42		
600	11,920	27.5	29.4	48	27.3	41		
500	16,170	13.1	13.5	48	14.1	35		

UPPER WINDS.

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

Station.	Lympne. Height. Feet.	No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Plymouth (Mt. Batten). No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Holyhead. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Renfrew. No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Station. Height. Feet.
			miles per hour.						miles per hour.						miles per hour.						miles per hour.					
	2,000	89	16	63	20	0	0	57	10	42	5	0	0	59	15	34	9	1	0	70	16	43	9	2	0	2,000
	5,000	53	10	32	11	0	0	20	7	13	0	0	0	34	11	18	5	0	0	44	9	28	6	1	0	5,000
	10,000	16	3	9	2	2	0	6	4	2	0	0	0	11	5	4	2	0	0	27	9	11	7	0	0	10,000
	15,000	3	0	3	0	0	0	1	0	1	0	0	0	4	3	0	1	0	0	14	7	4	3	0	0	15,000

† The readings and averages used, are, except in the case of Phœnix Park, the maximum for the period 7 h.–18 h., and the minimum for the period 18 h.–7 h. The readings and averages for Phœnix Park are for daily periods ending 21 h. Averages are for periods of at least 10 years (See M.O. 364.).

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

SUNSHINE, RAINFALL, AND HUMIDITY JULY, 1937.

District.	Stations.	SUNSHINE. Number of Days with Duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month. First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.
1	London ... (Kew Obsy.)	3	11	7	5	5	12.6	16	1309	-160	135	-59	1880	334	'11	104	'88
	Croydon ...	4	9	10	2	6	12.0	8	1274	-251	135	-85	1922	297	'28	132	'27
	Calshot** ... (Southampton)	3	10	6	6	6	14.2	20	1530	-216	160	-71	1881	350	'11	116	'88
	Lympne ...	1	10	10	5	5	14.4	17	1514	-251	153	-87	1921	307	'35	153	'27
2	Shoeburyness ...	0	15	5	6	5	13.0	17	1370	-346	147	-80	1919	311	{'28 '35	128	'19
	Gorleston ...	3	10	9	3	6	14.1	{3 17	1501	-142	153	-58	1908	309	'35	103	'10
	Cranwell ...	0	16	7	6	2	9.8	16	1280	-288	113	-93	1921	266	'35	120	'32
3	Birmingham ... (Edgbaston)	3	14	7	6	1	13.8	16	1179	-125	114	-57	1887	271	'11	67	'87
4	Ross-on-Wye ...	2	11	9	6	3	14.1	16	1287	-198	126	-66	1915	271	'34	122	'27
5	Falmouth ... (Observatory)	2	6	8	7	8	13.7	31	1548	-162	180	-37	1881	346	'11	135	'90
7	Holyhead ...	4	9	9	2	7	13.5	29	1495	-55	146	-45	1914	255	'34	123	'20
8	Chester ... (Sealand)	2	14	5	4	6	12.8	14	1250	-126	140	-33	1923	244	'34	112	'31
10	Tynemouth ...	1	9	7	8	3	11.8	31	*	*	147	*	1935	*	*	*	*
11	Leuchars ...	5	11	4	6	5	13.5	25	*	*	134	-38	1922	244	'35	91	'31
12	Renfrew ...	3	13	6	3	6	12.8	25	1117	-76	131	-18	1921	231	'34	86	'31
	Eskdalemuir ...	4	16	7	2	2	13.0	25	1071	-30	98	-43	1910	217	'35	78	'31
13B	Stornoway ...	6	12	6	3	4	10.9	15	1176	-39	103	-42	1881	227	'17	79	'16
15	Aberdeen ...	5	9	8	6	3	14.9	17	1297	-32	127	-25	1881	239	'11	83	'31
18	Aldergrove ..	7	12	6	2	4	14.7	29	1148	*	101	*	1927	217	'34	97	'31
19	Dublin ... (Phœnix Park)	5	10	4	9	3	11.8	30	1259	-178	130	-40	1881	235	'98	93	'31
	Birr Castle ...	9	11	5	2	4	12.9	15	1161	-145	101	-48	1881	224	'11	93	'36
20	Valentia ... (Cahirciveen)	8	11	6	3	3	13.8	30	1245	-123	97	-60	1880	235	'18	71	'32

* Sunshine details for 2nd, 3rd, 7th not available

District.	Stations.	RAINFALL. ‡Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months. mm.	Difference from Average. mm.	Total for Month.‡ mm.	Difference from Average. mm.	Highest and Lowest Totals on record for Month. First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy.)	20	6	4	1	0	0	13	19	677	+71	24	-31	1856	124	'80	4	'21	2	0
	Croydon ...	21	7	2	1	0	0	11	15	855	+176	18	-42	1921	105	'36	3	'21	2	0
	Calshot** ... (Southampton)	22	3	3	3	0	0	12	15	804	+158	33	-8	1871	157	'88	3	'11	1	0
	Lympne ...	21	3	6	1	0	0	14	15	870	+146	33	-21	1920	126	'27	6	'35	2	0
2	Shoeburyness ...	20	6	3	1	0	1	30	15	730	+227	49	+2	1920	81	'20	7	'21	2	0
	Gorleston ...	20	2	5	4	0	0	11	15	639	+17	48	-11	1871	150	'75	7	'97	5	0
	Cranwell ...	22	1	6	1	0	1	46	15	681	+91	73	+14	1917	251	'32	10	'21	1	0
3	Birmingham ... (Edgbaston)	18	4	5	3	0	1	32	15	767	+93	70	+11	1893	167	'36	7	'11	3	0
4	Ross-on-Wye ...	20	4	5	1	0	1	61	15	795	+78	87	+29	1859	197	'72	6	{'11 '35	2	0
5	Falmouth ... (Observatory)	20	3	6	1	1	0	16	5	1089	-18	38	-34	1871	178	'24	8	'13	0	0
7	Holyhead ...	14	6	5	6	0	0	10	14	844	-43	55	-11	1871	197	'20	8	'35	2	0
8	Chester ... (Sealand)	~~20~~ 19	~~3~~ 4	7	0	1	0	15	15	723	+62	~~35~~ 36	-25	1922	126	'24	18	'34	1	0
10	Tynemouth ...	17	5	4	4	0	1	45	3	798	+177	91	+30	1915	140	'26	13	'35	2	0
11	Leuchars ...	15	5	5	5	1	0	24	4	672	-20	92	+21	1922	135	'36	17	'28	1	0
12	Renfrew ...	15	3	7	5	1	0	21	3	1027	+88	85	+14	1921	136	'36	35	'35	1	0
	Eskdalemuir ...	14	2	5	8	2	0	19	21	1601	+172	110 4	+6	1910	211	'32	25	'13	2	0
13B	Stornoway ...	13	9	7	2	0	0	8	20	1147	-115	41	-36	1870	178	'71	22	'13	0	0
15	Aberdeen ...	14	3	8	3	3	0	17	9	668	-80	100	+29	1871	130	'18	14	'78	0	0
18	Aldergrove ..	11	6	8	5	0	1	32	2	962	+124	111	+40	1928	148	'36	27	'35	0	0
19	Dublin ... (Phœnix Park)	12	5	12	2	0	0	7	14	684	-18	48 8 4	-20	1865	165	'36	16	{'68 '35	1	0
	Birr Castle ...	13	1	9	7	1	0	20	2	933	+106	98	+23	1962	186	'80	8	'63	0	0
20	Valentia ... (Cahirciveen)	8	6	5	6	5	1	56	2	1598	+184	223	+127	1866	221	'73	22	'98	0	0

MINIMUM SURFACE HUMIDITY.

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

Stations.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew)	0	0	0	2	7	16	6	0	0	0
Ross-on-Wye ...	0	0	1	7	4	14	5	0	0	0
Falmouth (Obsy.)	0	0	0	12	19	0	0	0	0	0
Renfrew ...	0	0	3	4	14	9	1	0	0	0
Eskdalemuir ...	0	1	5	3	7	10	5	0	0	0
Aberdeen ...	0	1	6	7	8	7	2	0	0	0
Valentia ...	0	3	6	8	12	2	0	0	0	0

STATE OF GROUND AT 18 h.

No. of Days each type was recorded.

Stations.	0	1	2	3	4	5	6	7	8	9
London (Kew)	14	17	0	0	0	0	0	0	0	0
Ross-on-Wye	17	14	0	0	0	0	0	0	0	0
Renfrew ...	16	15	0	0	0	0	0	0	0	0
Eskdalemuir	12	19	0	0	0	0	0	0	0	0
Aberdeen ...	18	13	0	0	0	0	0	0	0	0
Valentia ...	6	25	0	0	0	0	0	0	0	0

CODE for State of Ground.

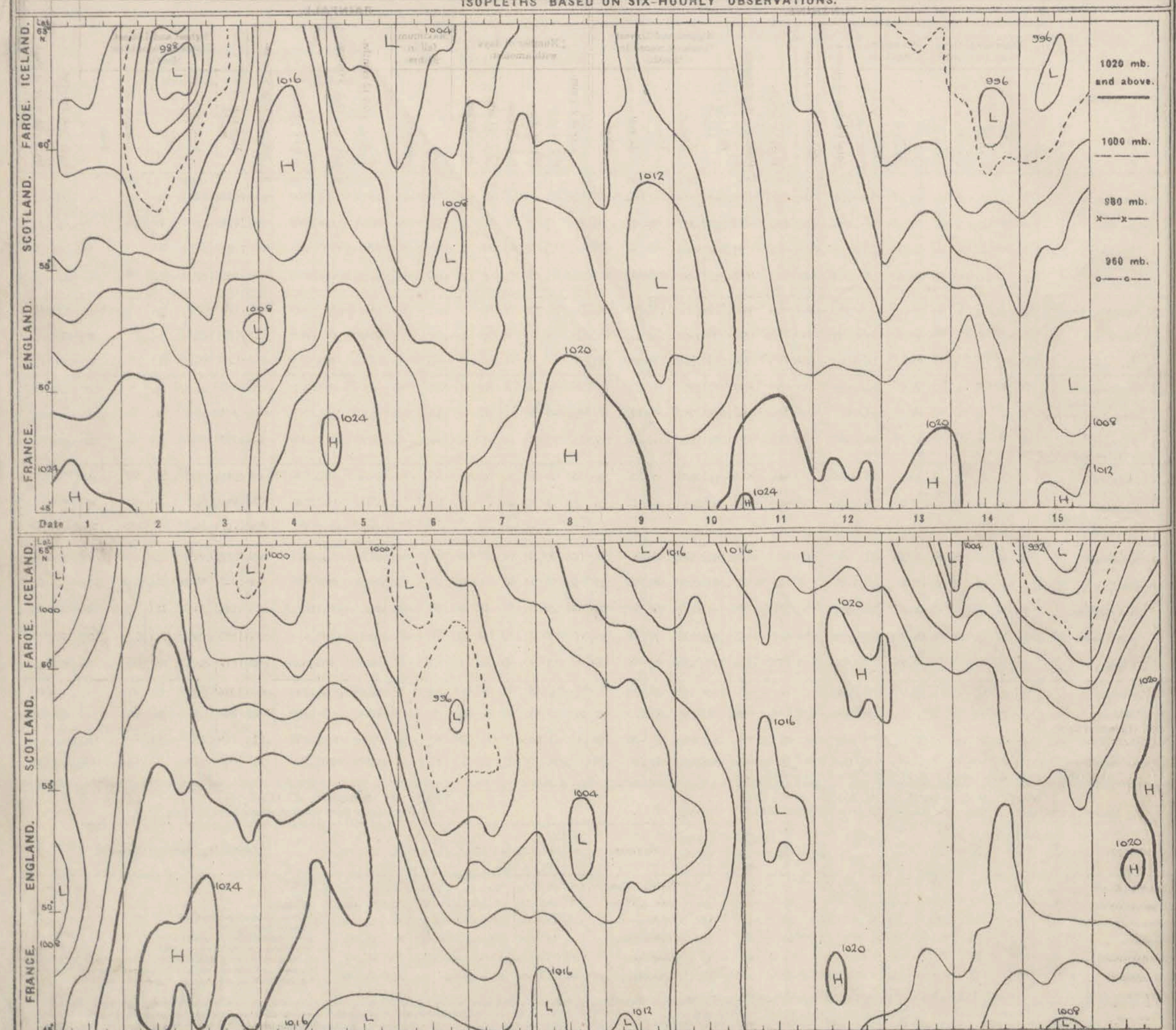
0 Dry.
1 Wet.
2 Flooded.
3 Covered with thawing snow.
4 Frozen hard and dry.
5 Covered with ice or glazed frost.
6 Partly covered by snow or hail.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow, greater than 6 ins. deep.

** The extremes of rainfall and sunshine from Calshot are supplemented by those from Southampton.

‡ Based in part on reports made by telegraph in which the day and 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.

PRESSURE: ICELAND TO GULF OF LIONS JULY, 1937.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



* The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near Marseilles. The points at which the isobars drawn for 4 mb. pressure intervals intersect this line at 1h., 7h., 13h., and 18h. are plotted consecutively and joined to shew the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., Long. 18° W., in the north; at Lat. 44½° N., Long. 4° E., in the south.

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

G.348/3326. Pt.8025. D.4818. Gp.948. 950. 4/37

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 1st July, 1937.
No. 27615.

OBSERVATIONS at 13h. G.M.T. 30th June, 1937

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direct. (3)	Wind. Force 0-12 (4)	Weather. (5)	°Temp. °F. (6)	%Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High. (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	1017·6	-8	SW	4	c/pr	62	69	8	6	2	-	4-6	10	1500
	Croydon ...	1018·2	-2	SW	4	c	59	65	8	5	2	-	7-8	10	4000
	S. Farnborough	1018·1	-6	SW'S	4	c	53	75	7	5	-	-	10	10	2500
	Boscombe Down	1017·8	-10	SW'S	4	c	55	75	7	5	2	-	5	10	1500
	Calshot (Sthmtn.)	1019·1	-2	SW'S	5	id.	56	52	7	5	2	-	7-8	10	800
	Lympne ...	1019·7	-6	SW'S	4	c	57	65	8	5	7	-	4-6	10	1500
	Manston ...	1018·3	-2	SSW	4	c	61	55	8	7	-	-	9+	9+	4000
2	Shoeburyness ...	1017·2	-4	SW'S	4	c	61	65	8	8	3	-	7-8	10	4000
	Felixstowe ...	1017·3	-6	SW'S	4	c/r	61	55	7	5	2	-	7-8	10	2500
	Gorleston ...	1016·1	-2	SSW	4	c	59	65	6	8	-	-	10	10	2500
	Mildenhall ...	1016·3	-6	SW	5	dd	56	65	6	5	2	-	4-6	10	2500
	Cranwell ...	1014·2	-16	S'E	3	d.d.	53	87	8	6	2	-	9	10	1500
3	Birmingham ...	1014·7	-6	SW	3	c	56	75	8	5	-	-	10	10	1500
4	Upper Heyford	1016·4	-10	WSW	4	q	59	76	8	5	2	-	9+	10	1500
	Ross-on-Wye	1015·6	-4	W'S	4	c	61	65	7	5	-	-	10	10	1500
5	Bristol ...	1017·5	-4	WSW	4	id.	58	52	7	5	2	-	9+	10	800
	Portland Bill ...	1018·6	-3	WSW	4	c	59	65	7	4	4	-	7-8	10	2500
	Plymouth ...	1019·4	+2	W	3	c	62	65	8	5	-	-	9+	9+	1500
	The Lizard ...	1020·7	+4	W	4	c	61	65	7	5	2	-	9	10	1500
	Scilly (St. Mary's)	1020·3	+6	WSW	5	id.	60	57	6	5	-	-	10	10	1500
	Guernsey ...	1021·4	+2	WSW	5	c	63	75	7	5	1	-	7-8	10	2500
6	Pembroke ...	1016·3	0	W'S	5	q	58	57	7	5	-	-	9+	9+	1500
7	Holyhead ...	1012·6	+8	WSW	4	c/r	59	65	7	5.	7	-	4-6	9+	2500
	Chester (Sealand)	1012·4	-4	WSW	3	d.d.	60	65	6	6	2	-	7-8	10	1500
8	Manchester ...	1012·1	-14	SW'S	3	Dr	56	52	4	-	2	-	10	10	450
10	Spurn Head ...	1012·7	-12	SW'S	5	pr	56	92	7	5	-	-	10	10	1500
	Catterick ...	1010·1	-16	S'E	3	c	56	65	7	5	2	-	9+	10	2500
	Tynemouth ...	1008·6	-20	SW	4	c/r	56	75	6	6	2	-	4-6	10	800
11	Inchkeith ...	1008·5	-22	SW	3	c	56	57	8	6	-	-	9+	9+	4000
12	Loughans ...	1006·1	-20	SW	3	c	56	65	7	5	2	-	7-8	10	1500
	Rentrew (Abbots L.)	1006·6	-6	WSW	5	bc/pr	63	75	8	8	-	-	4-6	4-6	2500
	Eskdalemuir ...	1005·0	-12	SW'W	4	d.d.	54	92	6	-	2	-	10	10	450
	Point of Ayre ...	1005·7	+8	W'N	5	c	61	65	7	6	1	-	4-6	10	1500
13a	Tiree	1007·5	+24	WNW	4	c	58	75	7	5	-	-	9+	9+	1500
13r	Stornoway ...	1003·6	+12	W	5	c/pr	57	75	8	8	7	-	4-6	7-8	2500
15	Dalwhinnie ...	1006·0	-4	SW	3	c	55	85	7	4	6	-	4-6	7-8	2500
	Aberdeen ...	1006·0	-18	S'W	3	c	51	85	6	6	-	-	10	10	1500
16	Wick ...	1004·1	-20	S	3	rr	50	87	6	5	2	-	7-8	10	1500
	Lerwick ...	1006·5	-12	S	3	bc	51	85	8	8	7	-	4-6	4-6	1500
17	Blacksod Point	1013·1	+10	W	3	DD	57	92	6	6	-	-	10	10	450
18	Malin Head ...	1009·3	+16	W	3	c	58	92	7	8	1	-	7-8	7-8	2500
	Aldergrove ...	1010·4	+16	W'S	4	c/d	60	85	9	5	4	-	9+	10	1500
19	Birr Castle ...	1013·8	+8	W	3	c.	60	85	8	8	2	-	7-8	10	1500
20	Valentia Obsy. †	1018·5	+6	W'S	4	[illegible]	60	92	6	5	-	-	10	10	450
	Roches Point	1016·7	+2	WNW	4	c	66	75	9	8	-	-	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 30th June, 1937

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direct. (17)	Wind. Force 0-12 (18)	Weather. (19)	°Temp. °F. (20)	%Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low. (22)	Form. Med. (24)	Form. High. (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1016·8	-4	WSW	3	c	63	75	8	5	-	-	10	10	1500	1	*
	Croydon ...	1016·5	-10	SW'W	3	c/r	62	85	7	6	2	-	9+	10	1500	1	*
	S. Farnborough	1016·8	-4	WSW	4	c	63	75	8	5	3	-	7-8	9+	1500	1	*
	Boscombe Down	1017·6	0	SW	3	c	61	85	8	5	-	-	10	10	1500	0	*
	Calshot (Sthmtn.)	1018·4	-4	SW	4	id.	60	92	7	5	7	-	7-8	9+	800	0	3
	Lympne ...	1018·3	-4	SW	4	o	58	85	7	5	-	-	10	10	800	0	§4
	Manston ...	1017·2	-6	SSW	4	c	60	85	7	5	-	-	10	10	1500	1	*
2	Shoeburyness ...	1016·5	-8	SW	4	c	61	85	8	5	7	-	4-6	9+	2500	0	*
	Felixstowe ...	1015·6	-6	SW'S	4	ir.	61	85	7	5	7	-	7-8	9+	2500	1	3
	Gorleston ...	1014·0	-6	SSW	3	o	60	85	6	6	-	-	10	10	1500	1	2
	Mildenhall ...	1014·3	-6	SW'W	4	ir.	62	85	8	5	7	-	4-6	9+	2500	1	*
	Cranwell ...	1012·4	0	WSW	4	c/d	59	87	8	5	-	-	7-8	10	2500	1	*
3	Birmingham ...	1014·6	-2	W	3	c	62	75	8	5	-	-	10	10	1500	0	*
4	Upper Heyford	1016·0	+2	W'S	4	pr	63	75	8	8	7	-	9	9+	1500	1	*
	Ross-on-Wye	1013·1	0	WSW	4	c	63	75	8	5	-	-	10	10	2500	0	*
5	Bristol ...	1017·3	-2	W	4	q	62	92	7	5	1	-	9	10	1500	1	*
	Portland Bill ...	1018·3	-4	WSW	4	c	59	92	7	8	-	-	10	10	1500	1	4
	Plymouth ...	1019·4	+2	SW	4	c	61	92	8	5	-	-	10	10	1500	1	2
	The Lizard ...	1020·7	0	W	5	c	59	92	6	5	-	-	10	10	1500	0	3
	Scilly (St. Mary's)	1020·8	0	W'S	5	o	60	92	6	5	-	-	10	10	1500	0	3
	Guernsey ...	1021·5	0	W'S	4	o	60	85	7	5	-	-	10	10	1500	0	3
6	Pembroke ...	1015·9	0	W	5	q	58	87	7	5	2	-	7-8	9+	1500	1	3
7	Holyhead ...	1013·6	+6	SW	3	c/d	59	85	8	5	8	-	7-8	9	1500	1	3
	Chester (Sealand)	1012·7	+2	W	3	c/d	61	85	7	6	2	-	9	10	1500	1	*
8	Manchester ...	1012·8	+4	W	4	c	60	75	7	5	-	-	10	10	1500	1	*
10	Spurn Head ...	1011·5	-8	WSW	5	c	60	87	6	5	2	-	4-6	10	1500	1	4
	Catterick ...	1008·6	-2	W'S	4	bc	64	65	9	2	4	1	2-3	2-3	4000	1	*
	Tynemouth ...	1008·6	+4	W	3	bc	65	55	8	9	-	-	4-6	4-6	800	1	1
11	Inchkeith ...	1007·7	+2	SW	5	bc	58	85	8	8	4	-	2-3	4-6	4000	0	4
12	Loughans ...	1005·5	+6	W	5	bc	65	45	9	7	4	-	2-3	2-3	2500	1	*
	Rentrew (Abbots L.)	1008·8	+14	W	4S	bc	58	55	9	1	-	+1	2-3	4-6	4000	0	*
	Eskdalemuir ...	1005·2	+10	W'S	4	bc	59	65	8	7	-	5	2-3	2-3	1500	1	*
	Point of Ayre ...	1011·0	+6	WNW	3	bc.	61	85	8	2	4	-	Tr	2-3	2500	1	2
13a	Tiree	1009·4	+8	W'N	4	bc	56	75	8	8	7	9	2-3	4-6	1500	0	3
13r	Stornoway ...	1006·1	+12	W	4	c	55	73	8	5	-	1	7-8	9	2500	1	2
15	Dalwhinnie ...	1007·2	+22	SW	3	bc	56	65	8	4	6	-	1	4-6	4000	0	*
	Aberdeen ...	1005·5	+10	NNW	3	bc	61	65	9	4	-	-	4-6	4-6	4000	0	1
16	Wick ...	1005·1	+12	NW	1	c	52	92	8	5	7	-	4-6	9	1500	1	1
	Lerwick ...	1006·4	+2	SE	3	bc	50	85	8	7	-	-	4-6	4-6	1500	0	*
17	Blacksod Point	1013·4	0	WSW	4	id	57	92	6	6	-	-	10	10	450	1	3
18	Malin Head ...	1010·6	+14	WNW	2	c	57	85	7	8	-	-	9	9	2500	0	2
	Aldergrove ...	1011·8	+14	W	4	c	60	75	9	8	3	4	4-6	7-8	2500	1	*
19	Birr Castle ...	1014·7	+4	W	3	id	60	92	7	5	-	-	10	10	2500	1	*
20	Valentia Obsy.	1018·8	+2	W	3	o	60	87	6	5	-	-	10	10	450	1	3
	Roches Point	1017·4	+2	W'N	4	c	66	75	9	8	-	-	9	9	1500	0	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 30th. (37)	Weather. 13h.—18h. 30th. (38)	Weather. 18h. 30th to 1h. 1st. (39)	Weather. 1h.—7h. 1st. (40)
1	London (Kew)	cpr.c	cpr.c	c	c
	Croydon ...	cypr.	cir.	c	d.m.c
	S. Farnborough	cir.c	cir.m.c	ccir.m	cmyrddm
	Boscombe Down	cir.c	cir.c	c	cid.c
	Calshot (Sthmtn.)	cd.d.r	cid.r	cid.	cbc
	Lympne ...	bcyc	c	d.m.c	c
	Manston ...	bbcy	cyc	c	c
2	Shoeburyness ...	cyb.c	c	c	cpc
	Felixstowe ...	bccir.	cir.	cir.c	c
	Gorleston ...	cq	coir.	oc	opr.c
	Mildenhall ...	bccd.	cd.d.r.c	cir.c	cm.c
	Cranwell ...	r.r.ddrr	d.d.r.r.dd.	cprc	c
3	Birmingham ...	cpr.	pr.c	cpr.	cbc
4	Upper Heyford	c.ir.q	cq	c	cDc
	Ross-on-Wye	cr.c	c	c	ccr
5	Bristol ...	r.d.d.	cd.r.c	cqm.	cid.m.
	Portland Bill ...	c	cpr	c	c
	Plymouth ...	cid.c	cir.c	oid.d	oid.m.c
	The Lizard ...	cpr.c	cm.pr.	prff	ffd
	Scilly (St. Mary's)	p.oidm	oid.o	fffe	iffFe
	Guernsey ...	c	co	oid.	dirdf
6	Pembroke ...	cq	mir.cq	cqirFFm.c	cqfem.c
7	Holyhead ...	d.d.irc	d.c	d.r.c	r.c
	Chester (Sealand)	c.r.r.d.d.	d.d.r.r.m.c d.r	c	
8	Manchester ...	r.r.ddrr	Drmid.c	cr.r.ir.	cm.
10	Spurn Head ...	cpr	pre	c	c
	Catterick ...	ri.r.m.c	cqcbc	bc	cbcc
	Tynemouth ...	bcoir	obc	bcc	or.r.
11	Inchkeith ...	cpre	cbc	bcc ††	crrmott
12	Loughans ...	cm.r.bc	cbcy	bcc	cor.r.m.
	Rentrew (Abbots L.)	rr.r.d.c	bcy	bcyc	r.r.m.d.d.
	Eskdalemuir ...	r.r.r.d.d.	d.d.cbc	bccr	crcd.
	Point of Ayre ...	rrc	cbc	cr.rc	c
13a	Tiree	cid.	cbc	bccr	Rrr
13r	Stornoway ...	crrpr.	c	c	cpr.
15	Dalwhinnie ...	irc	iroc	*	cir
	Aberdeen ...	cir.c	cprv	bcvw	cwr.
16	Wick ...	crr	crr	c	c
	Lerwick ...	cpr	bc	bcc	cpr
17	Blacksod Point	dd	id	ID	iD
18	Malin Head ...	c	cbcc	cdoR	ocid
	Aldergrove ...	orm.cd.	cr.bc	bcc	ccid.
19	Birr Castle ...	circ	cid	cid	idir.
20	Valentia Obsy.	oidom.	m.id.ido	ir.ofdd	ir.ofom
	Roches Point	cpr.cv	cpr.cv	cvbc	bc

†† Observations for St Abbs Head

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r., slight rain. rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

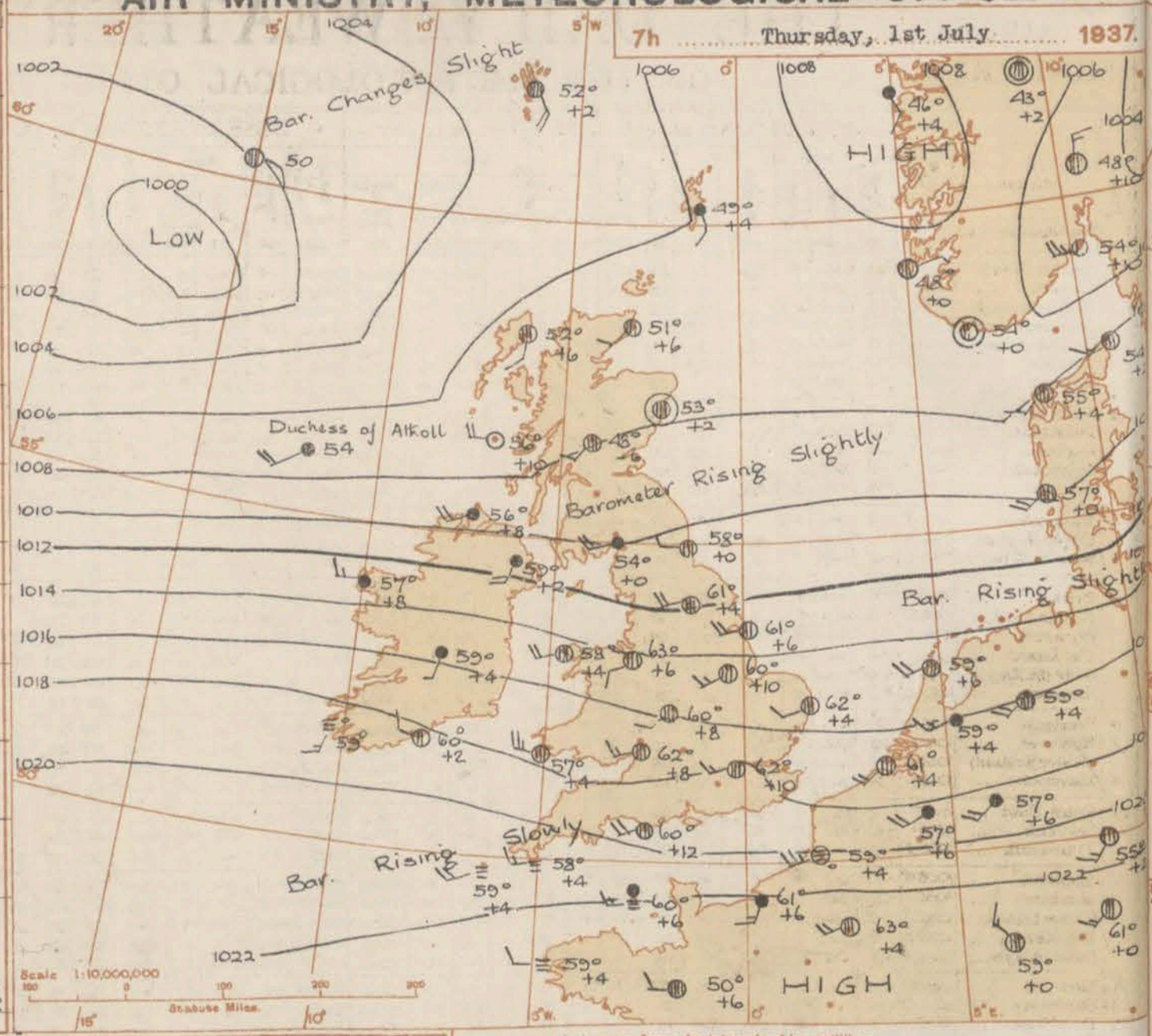
REPORTS from HEALTH RESORTS for Wednesday, 30th June, 1937.

Districts	Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F.) Min. 9h. 29th to 9h. 30th	Temperature (°F.) Max. 9h.—17h. 30th.	Rainfall (mm.) Night. 17h. 29th to 9h. 30th	Rainfall (mm.) Day. 9h.—17h. 30th.	Sunshine (Hrs.) Sunrise to 17h. 30th.	Sunshine (Hrs.) Sunrise to Sunset. 29th.
1	Tunbridge W.	co	odo	39	62	–	Trace	3.5	7.5
	Bournemouth	coc	coc	47	64	Trace	–	0.3	11.6
	Ventnor ...	copo	ou	48	60	–	0.3	1.6	3.6
	Southsea ...	oc	opoc	45	63	–	Trace	1.5	11.2
	Bognor Regis	bcc	cpr.	46	62	–	Trace	2.6	8.4
	Littlehampton	c	cd.c	45	63	–	Trace	3.2	3.7
	Worthing ...	c	cd.c	47	62	–	Trace	3.4	8.7
	Brighton ...	c	cdc	48	61	–	Trace	2.8	7.4
	Eastbourne† ...	20	20	50	62	–	–	3.7	5.5
	Hastings† ...	bcco	co	46	60	–	–	3.8	5.8
	Folkestone ...	bcyc	c	46	64	Trace	–	4.0	5.3
	Dover ...	c	co	48	62	Trace	–	4.0	4.6
	Deal	bbcc	oco	47	64	Trace	–	5.1	4.4
	Ramsgate ...	bcc	c	47	62	–	–	4.2	5.2
	Margate ...	bcc	c	50	62	–	–	4.2	7.0
2	Southend ...	co	o	47	63	–	–	3.0	6.2
	Maldon ...	bbcc	c	46	62	–	–	3.6	6.0
	Clacton-on-Sea	bcc	cpc	45	63	Trace	Trace	4.4	7.5
	Dovercourt ...	bc	oc	50	63	–	–	4.3	8.2
	Lowestoft ...	c	cir.	47	64	Trace	Trace	2.3	5.8
	Skegness ...	bbcp.	cor.c	42	62	Trace	0.2	3.1	5.8
	Mablethorpe...	bco	cor	43	61	–	Trace	2.4	5.5
	Cleethorpes ...	bccr	cr	45	62	0.5	0.3	2.4	6.6
3	Leamington S.	o	oco	43	65	–	–	0.2	7.7
4	Cheltenham†	o	oc	44	65	0.3	–	0.0	8.6
5	Bath	cp.	cd.	45	64	0.3	Trace	0.0	3.4
	Weymouth ...	c	ccd.	50	62	Trace	Trace	0.5	5.3
	Jersey ...	bcc	cbcc	53	63	–	–	3.3	7.4
	Torquay ...	cop.	cq	45	67	–	Trace	0.4	9.4
	Penzance ...	cid.	c	52	66	0.5	Trace	2.3	9.0
	St. Ives ...	c	c	54	61	Trace	–	2.2	9.5
	Bude... ...	o	o	57	61	–	–	0.0	11.7
	Ilfracombe ...	codo	c	52	63	1	–	0.0	9.4
6	Aberystwyth	cpr	c	52	60	2	0.3	0.0	8.0
7	Llandudno ...	cir.	rc	47	61	Trace	0.6	0.1	8.7
	Colwyn Bay...	cp.	pcbcc	45	63	–	0.5	0.1	8.1
	Rhyl	cpr	cprc	43	64	Trace	1	0.1	8.3
8	Wallasey ...	rr	rc	50	61	0.3	6	0.0	9.6
	Southport ...	rroir	poc	50	61	2	6	0.2	10.6
	Blackpool ...	Ro	oc	51	60	3	7	0.3	11.5
	Morecambe ...	rorc	rcbbc	45	61	2	5	2.6	11.1
9	Ilkley... ...	cpc	pc	40	60	–	1	0.0	5.9
	Harrogate ...	cp.	cp.	42	59	1	0.1	0.4	7.7
10	Berwick-on-T.	or.	cbcb	42	66	1	0.2	3.2	5.6
11	Dunbar ...	cr.	bc	45	65	Trace	–	3.1	10.1
12	Troon... ...	oroc	cbc	46	61	2	–	4.6	10.7
	Douglas ...	cd.q	bcq	46	63	3	Trace	1.1	12.2

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Thursday, 1st July ..... 1937.



Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate westerly winds; mainly cloudy with occasional drizzle or fog near the south and west coasts; average temperature, rather close.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland	Moderate westerly or southwesterly winds, fresh in places; cloudy, dull at times with periods of rain; average temperature rather close at times.
16 Orkney and Shetland	Light variable or southeast winds; cloudy, dull at times with periods of rain; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate westerly winds, fresh at times; mainly cloudy, occasional drizzle or fog; average temperature, rather close.

Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
Sea Disturbance. ~~ Rough. ≈≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression northwest of Ireland is moving east and is likely to be followed by another depression which will probably develop west of the British Isles. There will be periods of rain in the North, but elsewhere it will be cloudy at times with some drizzle and fog particularly near the south and west coasts. It will be rather close in many places.

FURTHER OUTLOOK.

Probably showery in the North; mainly fair in the South.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
THURSDAY, 1ST JULY.
1937.

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

Clarke's Projection Scale 1: 4x10⁷ along meridian ab 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 1st July, 1937.
No. 27615.

OBSERVATIONS at 1 hr. G.M.T. July 1st

District	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.	% Humid.	Visibility 0–9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Height of Base. (feet)
		(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1017.4	+2	SWW	4	c	61	85	8	5	3	-	3	3	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	340	1014.1	-4	SWW	3	c	59	92	7	5	2	-	3	10	800
	Manston ...	142	1017.0	-2	SWW	3	c	60	86	7	5	7	-	4-6	7-8	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1014.4	0	SW	2	c	60	85	7	5	-	-	3	3	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1019.1	+4	W	4	c	59	92	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1021.3	-2	W	4	cF	58	87	1	5	-	-	10	10	220
	Scilly (St. Mary's)	163	1021.4	0	W	5	F	59	87	1	-	-	-	10	10	<150
	Guernsey ..	175	1021.4	0	W	3	d.d.	60	87	4	5	-	-	10	10	800
6	Pembroke ...	142	1016.9	+2	W	4	q	57	87	6	5	-	-	10	10	1500
7	Holyhead ...	26	1014.4	+6	WSW	3	c	57	85	8	5	2	-	2-3	10	1500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1012.6	+4	SWS	3	c	57	87	6	5	7	-	7-8	9+	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1010.5	0	W	3	c	55	76	8	-	2	-	3	3	1500
11	St. Abbs Head. ...	190	1006.6	+4	WNW	5	c	53	65	7	4	6	-	7-8	9	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1012.1	+2	W	3	c	56	87	8	8	1	-	7-8	10	800
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1006.7	0	SW	3	c	50	85	8	5	7	-	7-8	9	2500
15	Dalwhinnie ...	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1006.5	+2	SW	1	c	49	92	8	5	7	-	3	3+	1500
16	Lerwick ...	156	1006.8	0	SSE	3	c	48	92	8	8	7	2	4-6	7-8	1500
17	Blacksod Point	18	1013.2	-2	W	3	id	56	87	7	6	-	-	10	10	800
18	Malin Head ...	84	1006.9	-10	WSW	3	c/r	56	87	6	3	-	-	10	10	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1016.4	0	SSW	2	f	57	87	2	-	-	-	10	10	<150
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. July 1st

District	Stations.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	% Humid.	Visibility 0–9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sea. 0–9
		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	London (Kew)	1017.7	+8	NSW	3	c	63	85	8	5	2	-	3	3+	2500	0	*
	Croydon ...	1018.1	+10	WSW	3	c	62	85	8	8	-	-	3+	3+	1500	1	*
	S. Farnborough	1016.3	+16	SW	3	c/d	60	87	8	6	7	-	7-8	3+	800	1	*
	Boscombe Down	1018.7	+10	W'S	4	c	61	85	7	8	3	-	7-8	3+	800	1	*
	Calshot (Sthmtn.)	1019.3	+10	SWW	3	bc	65	85	8	8	4	-	4-6	4-6	1500	0	2
	Lympne ...	1018.9	+6	WSW	4	c/d	62	92	7	5	-	1	3+	3+	4000	2	3
	Manston ...	1017.6	+6	WSW	2	c	63	85	7	5	-	-	3	3	5700	2	*
2	Shoeburyness ...	1017.4	+8	WSW	3	c/pr	63	85	8	6	-	-	3+	3+	2500	0	*
	Felixstowe ...	1016.6	+8	SW'W	3	c	63	85	7	5	7	-	7-8	3+	2500	1	2
	Gorleston ...	1014.7	+4	SWW	2	c	62	85	6	5	-	-	10	10	2500	0	2
	Mildenhall ...	1015.8	+6	W	4	c	63	85	8	5	-	-	3+	3+	4000	1	*
	Cranwell ...	1014.8	+10	SW	3	c	60	85	7	5	-	-	3+	3+	4000	1	*
3	Birmingham ...	1015.9	+6	SW	2	c	60	85	7	5	-	2	4-6	7-8	2500	0	*
	Upper Heyford	1017.5	+8	WSW	3	c	61	85	8	5	3	1	2-3	3+	1500	1	*
4	Ross-on-Wye	1016.9	+8	WSW	3	c	62	75	8	8	-	-	3	3	2500	0	*
5	Bristol ...	1018.9	+12	W	4	Z_o	61	92	6	5	7	-	7-8	3+	1500	1	*
	Portland Bill ...	1019.6	+12	WSW	4	c	60	92	8	4	-	-	10	10	2500	1	3
	Plymouth ...	1020.6	+8	W'N	4	c/d	61	92	6	5	-	-	3+	3+	800	1	1
	The Lizard ...	1021.7	+4	W	3	cF	58	87	1	5	-	-	10	10	220	1	2
	Scilly (St. Mary's)	1021.5	+4	WSW	4	F	59	87	1	-	-	-	10	10	<150	1	3
	Guernsey ..	1022.0	+6	W	3	df	60	87	2	5	-	-	10	10	450	1	3
6	Pembroke ...	1017.5	+4	W'N	5	q	57	87	6	5	2	-	3	10	1500	1	3
7	Holyhead ...	1014.6	+4	WSW	4	c	58	92	7	5	7	-	7-8	10	2500	1	2
	Chester(Sealand)	1014.4	+6	SW'W	2	c	63	75	8	5	3	-	3	3	2500	1	*
8	Manchester ...	1014.3	+10	SWW	3	Z_o	60	85	6	5	-	-	10	10	1500	1	*
10	Spurn Head ...	1013.4	+6	WSW	4	c	61	92	6	5	7	-	4-6	3+	2500	0	3
	Catterick ...	1011.4	+4	W'S	4	c	61	75	8	8	3	-	7-8	7-8	2500	0	*
	Tynemouth ...	1010.8	0	W	1	c/r	58	85	6	-	2	-	3	3	1500	1	2
11	St. Abbs Head. ...	1008.7	0	-	0	m	51	87	4	5	-	-	10	10	450	1	2
	Leuchars ...	1009.3	0	WSW	1	r.r.	50	92	6	5	-	-	10	10	1500	1	*
12	Renfrew (Abbotsl.)	1008.2	-2	SW'W	5	d.d.	57	87	7	5	-	-	10	10	450	1	*
	Eskdalemuir ...	1009.3	0	SW'W	4	d.d.	54	87	5	-	2	-	10	10	220	1	*
	Point of Ayre...	1011.9	0	W	5	c	60	85	8	8	6	-	4-6	9	450	0	3
13A	Tiree	1006.8	+10	W	4	c	56	87	7	5	2	-	3+	10	450	1	3
13B	Stornoway ...	1006.2	+6	SSW	2	c	52	85	8	5	7	2	4-6	7-8	2500	1	1
15	Dalwhinnie ...	[illegible]	+6	SW	2	c	48	85	7	5	-	-	10	10	2500	1	*
	Aberdeen ...	1007.9	+2	-	0	c/r	53	85	7	-	7	-	0	10	-	0	1
	Wick ...	1006.6	+6	SW	2	c	51	92	8	5	6	-	4-6	3	1500	1	1
16	Lerwick ...	1006.4	+4	SSE	2	pr.	49	92	8	8	7	-	7-8	3+	800	1	*
17	Blacksod Point	1013.0	+8	W	3	id	57	87	6	6	-	-	10	10	450	1	3
18	Malin Head ...	1006.7	+8	WSW	4	id	56	87	6	3	2	-	7-8	10	800	0	2
	Aldergrove ...	1011.1	+2	SW'S	4	id.	59	92	8	5	-	-	10	10	800	1	*
19	Birr Castle ...	1015.0	+4	SSW	1	ir.	59	87	7	5	-	-	10	10	2500	1	*
20	Valentia Obsy. †	1018.6	+2	SSW	3	m	59	87	6	5	-	-	10	10	<150	1	3
	Roches Point	1018.3	+2	WNW	2	bc	60	92	8	5	4	-	2-3	2-3	1500	0	1

PAST 24 HOURS.

District	Stations.	Temperature. Max. Day 7h–18h °F.	Temperature. Min. Night 18h–7h °F.	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 30th Hrs.
		(31)	(32)	(33)	(34)	(35)	(36)
1	London (Kew)	64	60	57	Tr	-	2.5
	Croydon ...	62	60	58	Tr	0.1	3.4
	S. Farnborough	63	59	57	Tr	1	2.2
	Boscombe Down	61	59	57	0.2	0.1	0.5
	Calshot (Sthmtn.)	63	58	57	Tr	Tr	0.6
	Lympne ...	60	57	56	-	Tr	4.3
	Manston ...	63	58	56	-	-	4.6
2	Shoeburyness ...	63	60	55	Tr	Tr	3.7
	Felixstowe ...	63	60	57	Tr	Tr	3.3
	Gorleston ...	62	58	56	0.1	0.3	2.4
	Mildenhall ...	62	59	58	0.1	Tr	3.1
	Cranwell ...	60	58	55	1	0.3	0.2
3	Birmingham ...	63	58	56	Tr	Tr	0.1
	Upper Heyford	64	57	54	Tr	Tr	*
4	Ross-on-Wye	67	59	57	0.1	-	0.3
5	Bristol ...	62	58	58	1	Tr	0.0
	Portland Bill ...	61	57	*	0.3	-	*
	Plymouth ...	63	59	58	0.1	0.1	0.0
	The Lizard ...	63	57	*	0.1	1	*
	Scilly (St. Mary's)	63	58	*	0.6	0.2	1.4
	Guernsey ..	64	58	58	-	2	1.5
6	Pembroke ...	60	56	*	1	0.2	0.1
7	Holyhead ...	60	56	55	1	0.2	0.1
	Chester(Sealand)	62	59	55	1	0.1	0.0
8	Manchester ...	61	57	56	6	0.6	0.0
10	Spurn Head ...	62	56	*	0.5	-	1.3
	Catterick ...	64	56	48	1	-	5.3
	Tynemouth ...	66	53	43	1	2	7.4
11	St. Abbs Head. ...	165	50	*	110.1	1	*
	Leuchars ...	67	49	43	1	1	6.9
12	Renfrew (Abbotsl.)	65	50	50	1	1	6.6
	Eskdalemuir ...	63	48	43	3	4	4.5
	Point of Ayre...	64	54	*	1	Tr	4.8
13A	Tiree	59	51	51	0.2	5	5.2
13B	Stornoway ...	59	50	*	1	Tr	6.7
15	Dalwhinnie ...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Aberdeen ...	62	47	39	0.3	Tr	5.7
	Wick ...	54	46	*	6	-	*
16	Lerwick ...	53	46	*	0.4	2	10.6
17	Blacksod Point	59	53	*	1	1	*
18	Malin Head ...	58	53	*	Tr	6	1.4
	Aldergrove ...	67	55	55	Tr	Tr	2.7
19	Birr Castle ...	61	56	57	0.3	3	0.0
20	Valentia Obsy. †	61	57	57	0.2	0.4	0.0
	Roches Point	67	56	*	0.1	-	*

LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	cpr.c	cpr.c	c	64	60	57	Tr	-	2.7 ~~2.5~~	*	*	8
Croydon	217	cy.pr.	ir.c	cd.mx	62	60	58	Tr	0.1	3.4	*	*	6
Greenwich (Royal Observatory)...	149	c	c	c	65	60	57	-	-	2.8	80	71	7
City (Bunhill Row)	—	*	*	*	*	*	*	-	-	2.8	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	57	66	60	-	-	2.4	78	74	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	66	59	58	-	-	2.6	77	65	*
Camden Square	110	c	cpc	*	67	60	59	-	-	*	*	68	*
Kensington	80	c	c.o	*	63	61	56	-	-	2.2	At 18h. 73		*
Hampstead Observatory	450	c	bc.p	c	62	57	54	Tr	-	2.4	78	78	*

FOREIGN OBSERVATIONS.

18h G.M.T. 30th June

7h. G.M.T. 1st July

Stations.	18h Barom. mb.	18h Wind. Direc.	18h Wind. Force.	18h Weather.	18h Temp. °F.	7h Barom. mb.	7h Wind. Direc.	7h Wind. Force.	7h Weather.	7h Temp. °F.
Paris	1022.3	W	4	c	64	1022.7	WSW	4	c	63
Brussels	1019.5	SW'W	4	c	59	1019.0	SW'W	4	d.d.	54
Berlin	1015.7	WNW	3	bc	61	1017.6	SW	3	bc	59
Zurich	1022.6	SW	2	c	57	1024.2	SSE	1	b	54
Rome	1011.8	NE	2	bc	72	1014.7	NE'N	4	pr.	61

Past 24 Hours.

Stations.	Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	66	59	-	0.2
Brussels	63	52	-	0.3
Berlin	*	*	-	-
Zurich	*	*	0.2	-
Rome	*	*	-	-

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 1st

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

Kew Observatory. Max.	Time.	Min.	Time.
<0.1 whole period			

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 6 h.

§ Sea disturbance reported from Dungeness.

†† Observations for Inchkeith.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 2nd July, 1937.

No. 27616.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 1st July: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1018·8	0	W'S	3	c	70	65	8	8	-	-	9+	9+	2500
	Croydon ...	1019·0	+2	W'S	4	c/pr	70	65	8	8	6	-	7-8	9+	1500
	S. Farnborough	1019·4	+2	W	4	c	71	66	8	8	6	1	7-8	9+	4000
	Boscombe Down	1019·7	+4	W'S	4	c	67	75	8	5	-	-	9	9	1500
	Calshot (Sthmtn.)	1020·4	+6	SW'S	4	c	66	85	8	8	6	-	9	9	2500
	Lympne ...	1019·5	-2	W	5	c	70	65	8	8	6	-	7-8	9	2500
	Manston ...	1018·1	+2	W	4	c	72	55	8	8	7	1	4-6	7-8	4000
2	Shoeburyness ...	1018·3	+2	WSW	3	c	71	65	7	8	6	-	4-6	9	2500
	Felixstowe ...	1017·3	-2	WSW	3	bc	72	55	8	8	4	1	4-6	4-6	2500
	Gorleston ...	1016·0	+2	SW	3	c	71	65	6	8	-	-	9+	9+	2500
	Mildenhall ...	1016·4	-2	W	4	c	73	65	9	8	6	-	7-8	7-8	2500
	Cranwell ...	1015·0	-2	WSW	4	c	72	55	9	8	3	-	7-8	9+	2500
3	Birmingham ...	1016·9	0	W	4	c	71	65	8	5	-	-	7-8	7-8	2500
4	Upper Heyford	1018·3	0	W'S	4	c/r	68	75	7	5	7	-	7-8	9+	2500
	Ross-on-Wye	1017·9	+4	SW'S	4	c	68	75	8	7	-	-	9	9	4000
5	Bristol ...	1019·9	0	W	4	c	65	85	8	5	-	-	9+	9+	1500
	Portland Bill ...	1020·6	+4	WSW	4	c	60	85	7	4	-	-	9	9	2500
	Plymouth ...	1021·1	-2	SW	3	c	64	92	8	5	-	-	9+	9+	1500
	The Lizard ...	1022·5	+4	W	3	f	61	97	2	5	-	-	10	10	450
	Scilly (St.Mary's)	1022·7	0	WSW	4	m	64	92	4	5	-	-	10	10	220
	Guernsey ...	1022·8	+2	W'N	3	c	66	85	8	5	2	-	7-8	10	1500
6	Pembroke ...	1019·2	+4	W'S	3	q	58	97	5	5	-	-	10	10	1500
7	Holyhead ...	1015·8	+6	WSW	4	c	63	85	8	7	2	-	7-8	9+	2500
	Chester(Sealand)	1015·7	+8	SW	2	c	67	75	8	5	-	-	10	10	1500
8	Manchester ...	1014·9	+2	W	6	c	69	75	8	8	3	-	7-8	9	2500
10	Spurn Head ...	1014·4	+2	W'S	4	c	67	85	6	5	7	-	7-8	9+	1500
	Catterick ...	1012·7	+8	W	4	c	65	75	8	4	4	1	7-8	9	1500
	Tynemouth ...	1011·5	+8	W	4	c	65	75	8	6	2	-	7-8	10	1500
11	St. Abbs Head	1009·6	+16	W	4	c	63	85	8	8	7	9	7-8	9	1500
12	Leuchars ...	1008·9	+2	E	2	c	62	85	8	9	7	-	9+	9+	1500
	Renfrew (Abbotsl.)	1011·0	+14	SW	4	id$_o$	59	85	7	5	-	-	10	10	800
	Eskdalemuir ...	1011·6	+12	W'S	4	c	59	85	6	5	-	-	10	10	1500
	Point of Ayre...	1013·3	+8	W	5	c	65	75	8	8	-	-	10	10	1500
13A	Tiree	1010·1	+14	W	4	c	59	85	7	5	7	-	7-8	9+	1500
13B	Stornoway ...	1007·9	+4	SSE	4	c	56	85	8	5	4	-	4-6	7-8	2500
15	Dalwhinnie ...	1008·7	+6	SW	2	c	62	66	8	5	6	-	4-6	7-8	2500
	Aberdeen ...	1009·3	+10	SSE	3	c	57	75	7	5	7	-	7-8	9	4000
	Wick ...	1008·1	+8	SW	2	c	56	92	8	5	7	-	4-6	7-8	1500
16	Lerwick ...	1008·0	+8	WSW	3	c	53	85	8	8	7	-	4-6	9	1500
17	Blacksod Point	1013·9	0	WSW	3	c	59	97	6	5	-	-	10	10	450
18	Malin Head ...	1011·9	+8	W'N	3	c	59	97	7	8	1	-	4-6	9	1500
	Aldergrove ...	1013·3	+6	WSW	3	c	63	85	9	5	-	-	10	10	1500
19	Birr Castle ...	1015·6	+4	SW	2	c	65	85	7	5	1	-	7-8	10	2500
20	Valentia Obsy. †	1019·1	-2	SW	4	2	61	97	6	5	-	-	10	10	450
	Roches Point	1018·4	-2	W'S	3	fs	67	85	9	5	4	-	4-6	7-8	800

District	Stations.	OBSERVATIONS at 18h. G.M.T. 1st July: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)	PAST 24 HOURS. Weather. 7h.—12h. 1st. (37)	12h.—18h. 1st. (38)	18h. 1st. to 1h. 2nd. (39)	1h.—7h. 2nd. (40)
1	London (Kew)	1018·8	-2	W'S	3	bc	73	55	8	7	-	-	2-3	2-3	2500	0	*	cpr$_o$c	cbcby	bybc	c
	Croydon ...	1018·9	0	WSW	3	bc	70	65	8	4	6	-	4-6	4-6	4000	0	*	c ir$_o$cpr$_o$	cbc	bccr$_o$	bw,c
	S. Farnborough	1019·4	0	W'S	4	bc	70	65	8	2	-	9	4-6	4-6	2500	1	*	cpr$_o$c	cbc	bccbw	bwccr$_o$
	Boscombe Down	1019·5	-2	W	4	c	69	75	8	8	-	-	7-8	7-8	1500	0	*	c	c pr$_o$c	cbc	c
	Calshot (Sthmtn.)	1020·1	-2	SW	4	c	65	85	7	8	6	-	4-6	7-8	4000	0	3	bcc	cbcr	bc	bcccr$_o$
	Lympne ...	1020·0	0	SWW	3	bc	67	85	8	2	6	-	Tr	4-6	2500	0	§	crd$_o$bc	cbccbc	bc,Fe	FeFe
	Manston ...	1018·5	+2	WSW	3	bc	71	75	8	8	-	-	2-3	2-3	4000	0	*	bebcbcy	bcybcb	bbc	bcr$_o$wc
2	Shoeburyness ...	1018·4	+2	WSW	3	bc	71	65	8	2	6	-	Tr	2-3	4000	0	*	cbc	cbcb	bw	bwcr$_o$
	Felixstowe ...	1017·6	+2	SWW	3	c	73	55	8	8	3	-	2-3	7-8	2500	0	2	cid$_o$bc	bcvyc	cyc	cbcc
	Gorleston ...	1016·3	+4	SWW	3	c	72	65	7	8	-	-	9+	9+	2500	0	2	cq	c	cbc	bcc
	Mildenhall ...	1017·2	+6	W	3	c	71	75	8	4	7	-	Tr	9+	5700	0	*	cbcc	c	c,bc	bcr$_o$cr$_o$
	Cranwell ...	1016·5	+10	WSW	3	c	69	75	9	8	-	-	7-8	9+	4000	0	*	c	cyc	c	cbcc
3	Birmingham ...	1017·3	+4	W	3	c	70	65	8	8	6	-	4-6	7-8	4000	0	*	c	pr$_o$bc	c	e
4	Upper Heyford	1018·6	+4	WSW	4	pr$_o$	68	75	8	6	7	-	4-6	9	2500	1	*	cq d$_o$r$_o$	cpr$_o$	pr$_o$bcc	c
	Ross-on-Wye	1018·0	+4	W'S	4	c	69	65	7	7	7	-	4-6	9	4000	0	*	c	cbc	cbcc	c
5	Bristol ...	1020·0	-2	W	4	c	64	92	7	5	-	-	9	9	800	0	*	d$_o$r$_o$c	cbcc	c	cd$_o$
	Portland Bill ...	1020·4	-4	W	4	bc	61	92	8	4	-	-	2-3	2-3	2500	0	4	c	cbc	c	off
	Plymouth ...	1021·3	-2	W'S	1	jf	62	97	6	5	7	-	4-6	9+	450	1	1	cm$_o$d$_o$c	c jf	cf	qf d$_o$d$_o$
	The Lizard ...	10233	0	W	2	F	59	87	1	5	-	-	10	10	220	1	2	FFid	FFd	FFe	FFe
	Scilly (St.Mary's)	1022·0	-4	WSW	3	m	61	97	4	5	-	-	10	10	220	1	2	FFem	om	m$_o$cof	offe
	Guernsey ...	1022·3	-2	WNW	2	m	62	92	4	5	-	-	10	10	800	1	3	odfmc	com	omow	owmcz
6	Pembroke ...	1017·8	-6	W'S	5	F	58	97	1	5	-	-	10	10	1500	1	3	cqdfm$_o$	pqFFo	oifid$_o$c	cmfo
7	Holyhead ...	1015·6	-4	SWW	4	c	60	85	8	8	-	-	9+	9+	4000	1	2	cid$_o$c	c	d$_o$rmbc	bcmro
	Chester(Sealand)	1016·0	0	SSW	3	c	68	75	8	5	-	-	9	9	4000	0	*	cpr	c	c	c
8	Manchester ...	1016·0	+2	SWW	3	c	67	75	7	5	-	-	10	10	2500	1	*	cm$_o$ipc	ccr$_o$dc	c	ccpsc
10	Spurn Head ...	1015·6	+4	WNW	3	c	64	92	6	8	-	-	9+	9+	800	0	2	c	c	pr$_o$c	cm$_o$c
	Catterick ...	1014·4	+8	W'S	3	c	66	75	8	8	9	3	4-6	7-8	2500	0	*	c	c	c	ccbr
	Tynemouth ...	1013·2	+12	W	4	bc	64	75	8	2	6	1	4-6	4-6	2500	0	2	oc	cbc	c	bdeh$_o$
11	St. Abbs Head	1011·2	+8	W	4	c	65	66	6	8	7	1	4-6	7-8	2500	0	2	c	cz$_o$	c	c
12	Leuchars ...	1010·9	+14	WSW	4	bc	64	55	9	7	4	2	Tr	4-6	2500	1	*	om$_o$c	cbcy	bcc	cpr$_o$
	Renfrew (Abbotsl.)	1011·9	+2	WSW	4	c	61	75	9	2	3	-	4-6	9	2500	1	*	c d$_o$m$_o$	cd$_o$pr$_o$	com$_o$	Rcr$_o$r$_o$m$_o$
	Eskdalemuir ...	1013·2	+4	WSW	4	d$_o$d$_o$	58	92	5	6	2	-	9	9+	800	1	*	r$_o$r$_o$c	cd$_o$d$_o$	d$_o$d$_o$c	circ
	Point of Ayre...	1014·2	+2	WN	4	c	66	85	8	8	6	-	4-6	7-8	1500	0	2	cpr$_o$	cd$_o$dc	c	cir$_o$
13A	Tiree	1010·5	-2	SW'S	4	c	57	85	8	8	3	-	7-8	9+	1500	0	3	cid$_o$	c	cRr	rrR
13B	Stornoway ...	1007·9	+4	SW	4	c	57	75	8	5	5	5	4-6	7-8	2500	1	2	c	c	rrc	
15	Dalwhinnie ...	1010·5	+6	SW	3	c	60	65	8	4	5	-	4-6	9	2500	0	*	cir$_o$	c	*	cir
	Aberdeen ...	1010·0	+2	SE	2	c	56	85	7	2	3	-	1	9	2500	0	1	r$_o$c	pr$_o$bc	ccz$_o$	cr$_o$c
	Wick ...	1008·9	+6	SW	3	bc	53	92	8	5	7	-	2-3	4-6	1500	1	1	c	cbc	c	crrc
16	Lerwick ...	1009·2	+10	WSW	3	c	53	85	8	8	7	-	4-6	7-8	1500	0	*	cpr	c	c	orm$_o$
17	Blacksod Point	1012·5	-10	S	4	id	60	97	6	6	-	-	10	10	450	1	3	id	iD	iR	PRcq
18	Malin Head ...	1011·8	-6	WSW	3	c	59	97	7	5	-	-	9	9	1500	0	1	cid$_o$c	c	cpr	cpr$_o$
	Aldergrove ...	1013·4	-4	WSW	3	c/r	64	85	8	5	-	-	10	10	800	1	*	cid$_o$c	cvcir$_o$	cir$_o$c	c$_o$r$_o$c
19	Birr Castle ...	1015·6	-4	SSW	2	id$_o$	65	85	7	6	-	-	10	10	2500	1	*	cir$_o$c	cid$_o$	cid$_o$c	cpr
20	Valentia Obsy. †	1018·2	-8	SW	4	c	62	92	8	5	-	-	10	10	1500	1	3	omirm$_o$	om$_o$oc	cir$_o$r$_o$r$_o$	cr$_o$r$_o$
	Roches Point	1018·2	-2	W	3	c/pr	62	92	8	8	3	3	4-6	7-8	1500	0	2	id$_o$cf$_s$	ff$_s$p$_o$c	c	ffedfdf

† See disturbance reported from Dungeness.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

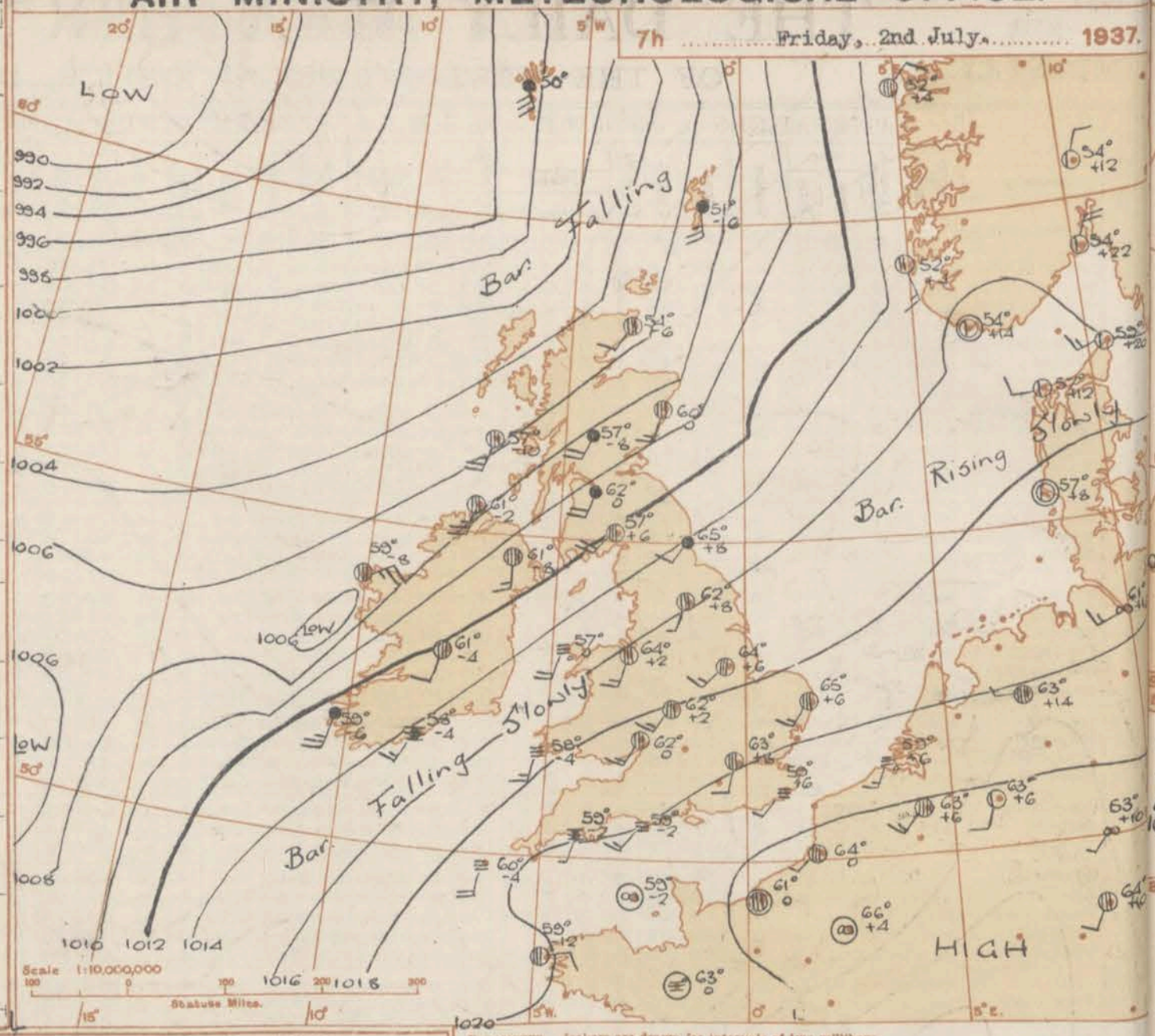
REPORTS from HEALTH RESORTS for 1st. July 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 30th. to 9h. 1st.	Temperature (°F.) Max. 9h.—17h. 1st.	Rainfall (mm.) Night. 17h. 30th. to 9h. 1st.	Rainfall (mm.) Day. 9h.—17h. 1st.	Sunshine (Hrs.) Sunrise to 17h. 1st.	Sunshine (Hrs.) Sunrise to Sunset. 30th.
1	Tunbridge W.	opoc	opco	54	71	2	0·3	1·2	3·5
	Bournemouth	cbc	bcbbc	57	73	-	-	2·9	0·3
	Ventnor ...	pc	bocm	56	67	Trace	-	2·2	1·6
	Southsea ...	ocbc	co	58	70	-	-	1·6	1·5
	Bognor Regis	bcbc	cbcc	58	67	-	-	1·0	2·6
	Littlehampton	c	c	58	68	Trace	-	2·3	3·2
	Worthing ...	bccbc	c	58	68	Trace	-	1·4	3·4
	Brighton ...	cbc	cbc	56	65	Trace	-	1·0	2·8
	Eastbourne† ...	oco	oc	59	65	0·2	-	1·7	3·7
	Hastings† ...	cbc	cbcc	58	69	Trace	-	1·7	3·8
	Folkestone ...	ccrc	cbcb	57	73	Trace	0·3	4·6	4·0
	Dover ...	bccb	bccbc	58	69	-	Trace	4·8	4·1
	Deal	coc	cb	59	74	-	-	2·1	5·2
	Ramsgate ...	bc	bc	58	74	-	-	5·6	4·2
	Margate ...	bcc	bc	57	74	-	-	6·2	4·2
2	Southend ...	cbc	bcb	59	75	-	-	5·3	3·0
	Maldon ...	bbc	bcb	59	74	-	-	5·7	3·8
	Clacton-on-Sea	cbc	bc	58	75	0·3	-	5·7	4·4
	Dovercourt ...	oc	bbc	58	76	-	-	7·3	4·3
	Lowestoft ...	c	cbcc	57	77	0·2	-	3·1	2·3
	Skegness ...	bc	bcbcb	54	73	0·2	Trace	3·2	3·1
	Mablethorpe ...	bcc	corbc	54	73	Trace	0·5	4·2	2·4
	Cleethorpes ...	bc	bcc	55	73	Trace	-	3·5	2·4
3	Leamington S.	c	cpc	55	74	-	1	1·7	0·2
4	Cheltenham†	cp.c	bc	58	73	Trace	Trace	5·1	0·0
5	Bath	c	cbcb	55	69	Trace	-	1·5	0·0
	Weymouth ...	cbc	cb	58	69	-	-	3·3	0·5
	Jersey ...	pcfc	cbcc	59	67	1	-	1·1	3·3
	Torquay ...	c	cjp	59	72	-	-	1·7	0·5
	Penzance ...	dc	c	59	67	1	-	0·8	2·3
	St. Ives ...	1		53	63	3	Trace	4·2	2·2
	Bude	o	m	56	63	3	-	0·0	0·0
	Ilfracombe ...	o	omcom	55	65	-	-	0·0	0·0
6	Aberystwyth	coc	c	54	63	-	-	0·1	0·0
7	Llandudno ...	dbc	bcc	57	68	0·3	Trace	6·0	0·1
	Colwyn Bay ...	cbc	bcc	57	70	1	-	1·4	0·1
	Rhyl	cbc	bcc	56	73	Trace	-	7·2	0·1
8	Wallasey ...	bcc	c	52	67	Trace	-	0·6	0·7
	Southport ...	bcc	cp.c	52	67	0·1	Trace	1·6	1·5
	Blackpool ...	c	c	51	65	0·5	-	2·3	2·5
	Morecambe ...	c	cbbcc	51	64	Trace	-	0·9	5·1
9	Ilkley... ...	cd.	bcc	50	69	1	Trace	3·7	0·0
	Harrogate ...	c	cir.	50	65	-	Trace	0·3	0·7
10	Berwick-on-T.	od.oc	cbc	50	67	1	Trace	3·6	6·3
11	Dunbar ...	cr.	bc	50	66	3	-	3·2	5·8
12	Troon... ...	ocbc	cbc	51	60	2	-	1·5	6·8
	Douglas ...	cbid.	cb	52	65	Trace	Trace	3·0	3·3

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Friday, 2nd July, ... 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd July, 1937.
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	Freshening south or southwest winds; bright periods inland at first, but cloud and fog near south and west coasts, cloud spreading from west later with occasional rain; rather warm and close at first, but temperature tending to fall later.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate southwest winds, fresh at times; cloudy, dull at times with periods of rain, becoming fairer later; rather warm and close but temperature tending to fall later.

C.S.D.

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

GENERAL INFERENCE.

A deep depression south of Iceland will drift northeast, and another west of Ireland will move eastnortheast. There will be rain in many places and there will be considerable fog on the south and western coasts. It will be rather warm and close at first, but temperature will tend to fall later.

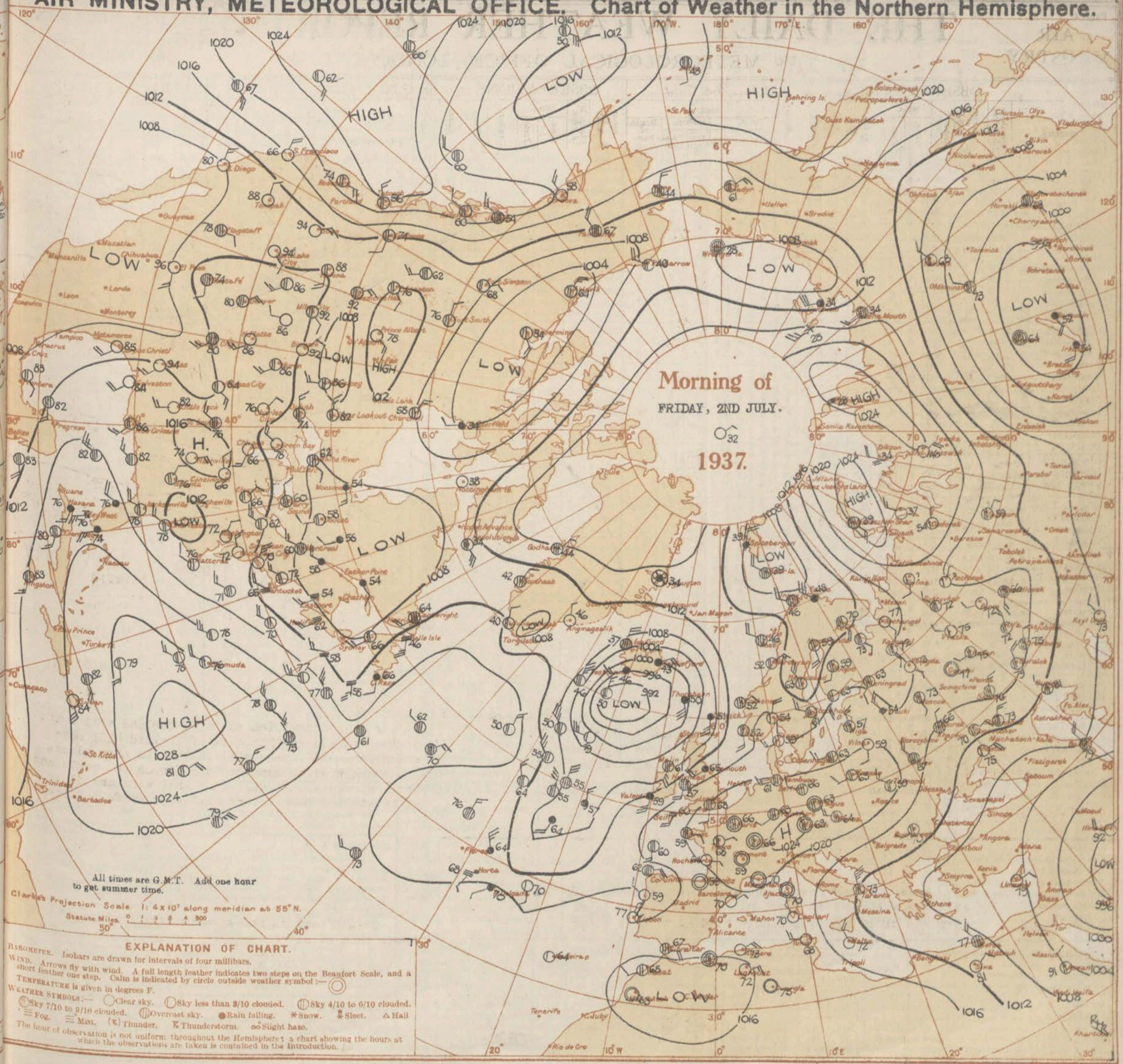
FURTHER OUTLOOK.

Bright periods and showers; temperature lower than of late.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 2nd July, 1937.

No. 27616.

OBSERVATIONS at 1 hr. G.M.T. 2nd July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1020·2	-2	SW'W	2	bc	62	86	8	5	-	-	2·3	2·3	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1021·1	-2	SSW	2	F	57	97	1	-	-	-	10	10	<150
	Manston ...	142	1013·3	0	SW	3	bc	59	92	7	-	4	-	0	4·6	.-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018·4	+4	SW'S	1	bc	63	85	7	5	-	-	4·6	4·6	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1020·4	-2	W	3	c	59	92	7	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1021·5	-6	WSW	2	cF	59	97	1	5	-	-	10	10	220
	Scilly (St. Mary's)	163	1021·2	-8	SW'W	3	f+	60	97	3	-	-	-	10	10	<150
	Guernsey ..	175	1022·2	-4	W'N	1	0	60	97	6	5	-	-	10	10	1500
6	Pembroke ...	142	1018·4	0	WSW	2	Z_o	58	97	6	5	-	-	10	10	1500
7	Holyhead ...	26	1016·1	-2	SW'S	4	bc	56	82	6	5	7	1	1	4·6	800
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1016·5	0	SW'W	3	c	62	92	7	5	7	-	4·6	7·8	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1013·4	-2	SW	2	c	60	92	7	5	-	-	7·8	7·8	1500
11	St. Abbs Head	280	1011·7	+2	SW	2	c	59	92	8	4	4	1	4·6	7·8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1013·3	0	W'S	4	c	63	92	8	5	-	-	9+	9+	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1005·2	-20	SSE	6	r$_o$r$_o$	53	97	6	5	2	-	7·8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1007·1	-6	SW	2	c	52	92	8	5	1	-	7·8	9	1500
16	Lerwick ...	156	1010·0	-6	S	4	c	52	85	8	8	7	-	4·6	9	1500
17	Blacksod Point	18	1008·3	-12	S	5	c	59	97	7	9	-	-	10	10	800
18	Malin Head ...	84	1009·8	-14	S	8	c	60	97	7	8	-	-	7·8	7·8	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1015·4	-10	SSW	4	RR	60	97	6	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 2nd July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1020·1	+6	SSW	2	c	66	85	7	8	-	-	9+	9+	2500	0	*
	Croydon ...	1020·6	+8	S'W	2	c	63	92	7	5	-	-	9+	9+	1500	0	*
	S. Farnborough	1020·1	+6	S'W	2	c	62	92	6	6	-	-	9+	9+	4000	0	*
	Boscombe Down	1020·0	+2	S'W	2	c	62	92	7	5	2	-	7·8	10	800	0	*
	Calshot (Sthmtn.)	1020·6	+8·6	SSW	3	Z_o	62	97	6	5	-	-	10	10	450	0	2
	Lympne ...	1021·5	+6	SW	1	f-	59	97	2	-	-	-	10	10	<150	0	2
	Manston ...	1020·8	+8	SW	2	c	64	85	7	5	3	1	1	9+	2500	0	*
2	Shoeburyness...	1020·3	+8	WSW	2	c	64	85	6	5	7	-	4·6	9	4000	0	*
	Felixstowe ...	1020·0	+6	SW'S	2	c	65	85	7	7	3	2	7·8	9+	2500	0	2
	Gorleston ...	1018·9	+6	SW'S	3	c	65	85	6	5	-	-	9+	9+	2500	0	2
	Mildenhall ...	1019·1	+4	SW	3	c	64	92	7	5	-	-	10	10	1500	0	*
	Cranwell ...	1017·9	+6	SW	3	c	64	85	7	5	3	-	9	9+	5700	0	*
3	Birmingham ...	1018·6	+2	SW	3	c	62	92	7	5	7	-	4·6	9+	4000	0	*
	Upper Heyford	1019·6	+2	SW	3	c	64	85	7	5	7	-	9	10	1500	0	*
4	Ross-on-Wye	1018·4	0	SW'S	3	c	62	85	7	5	1	-	7·8	10	2500	0	*
5	Bristol ...	1019·6	-2	SW	2	c/p	62	97	7	5	7	-	7·8	10	800	0	*
	Portland Bill ...	1019·9	-2	SW	3	of	59	92	2	5	-	-	10	10	<150	1	3
	Plymouth ...	1020·0	-2	S'W	1	df	59	97	2	-	-	-	10	10	<150	1	1
	The Lizard ...	1020·3	0	SSW	2	cF	59	97	1	5	-	-	10	10	220	2	2
	Scilly (St. Mary's)	1019·1	-4	S'W	4	f	60	92	2	-	-	-	10	10	<150	1	2
	Guernsey ..	1021·8	-2	-	0	Z_o	59	97	5	5	1	-	4·6	10	2500	1	2
6	Pembroke ...	1016·9	-4	SSW	3	F+	58	97	1	-	-	-	10	10	<150	1	2
7	Holyhead ...	1015·8	0	SSW	4	om	57	97	4	5	-	-	10	10	220	1	2
	Chester(Sealand)	1016·5	+2	SSW	3	c	64	75	8	5	2	-	7·8	9	2500	0	*
8	Manchester ...	1016·9	+6	SSW	3	Z_o	62	92	6	5	-	-	9+	9+	2500	1	*
10	Spurn Head ...	1017·3	+8	SW'S	2	c	66	85	6	5	7	-	7·8	9	2500	0	1
	Catterick ...	1015·4	+8	SSW	1	c/pr	62	92	8	9	7	-	4·6	9+	1500	1	*
	Tynemouth ...	1014·1	+8	SW	2	pr	65	75	6	9	-	-	7·8	7·8	800	1	1
11	St. Abbs Head	1011·8	+14	SW	5	c	61	92	8	8	7	-	4·6	10	800	0	2
	Leuchars ...	1010·6	-6	SW	3	c	63	85	7	5	7	-	7·8	9+	1500	1	*
12	Renfrew (Abbotsl.)	1010·5	0	SSW	4	d	62	85	6	5	3	-	9	9+	800	1	*
	Eskdalemuir ...	1013·1	+6	SW	4	c/r	57	97	5	5	-	-	10	10	220	1	*
	Point of Ayre...	1013·5	0	SW'W	3	c/r	62	85	8	8	7	-	2·3	9+	2500	1	2
13A	Tiree	1005·3	-10	SSW	5	c/r	57	97	7	6	2	-	10	10	800	1	4
13B	Stornoway ...	1001·3	-10	SSW	7	r$_o$r$_o$	57	97	7	6	2	-	9	10	1500	1	4
15	Dalwhinnie ...	1008·9	-8	SW	4	ir	57	92	7	4	-	-	10	10	2500	1	*
	Aberdeen ...	1008·6	0	SSW	3	c	60	92	7	6	7	-	1	9+	1500	0	1
	Wick ...	1004·9	-6	SW	2	c	54	97	7	5	2	-	7·8	10	1500	1	2
16	Lerwick ...	1007·3	-16	S	5	rr	51	97	6	6	-	-	10	10	220	1	*
17	Blacksod Point	1006·8	-8	ENE	5	q	59	92	7	9	-	-	10	10	800	1	3
18	Malin Head ...	1007·3	-2	S'W	5	c	61	97	7	6	2	-	4·6	9	1500	0	2
	Aldergrove ...	1011·4	-8	S	3	0	61	85	8	6	-	-	10	10	800	1	*
19	Birr Castle ...	1012·4	-4	SSW	2	c/pr	61	92	8	6	2	-	7·8	10	1500	1	*
20	Valentia Obsy. †	1012·9	-6	S'W	5	r$_o$r$_o$	59	97	7	6	-	-	10	10	800	1	3
	Roches Point	1015·0	-4	S'W	3	df	58	97	3	5	-	-	10	10	<150	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine Hrs. (36)
1	London (Kew)	73	62	57	Tr	-	6·1
	Croydon ...	72	59	55	Tr	-	4·9
	S. Farnborough	72	53	46	-	-	4·6
	Boscombe Down	69	55	55	-	-	3·0
	Calshot (Sthmtn.)	70	61	59	-	-	3·3
	Lympne ...	71	56	51	-	Tr	5·1
	Manston ...	75	56	52	-	-	7·6
2	Shoeburyness...	75	60	53	-	-	8·4
	Felixstowe ...	75	60	56	Tr	-	6·5
	Gorleston ...	75	62	60	-	-	2·3
	Mildenhall ...	75	60	56	-	-	4·4
	Cranwell ...	75	60	58	-	-	2·4
3	Birmingham ...	72	59	58	0·2	-	4·8
	Upper Heyford	73	59	55	Tr	Tr	*
4	Ross-on-Wye	73	60	57	-	-	3·7
5	Bristol ...	68	60	60	Tr	Tr	2·8
	Portland Bill ...	62	58	*	-	-	*
	Plymouth ...	67	58	58	Tr	Tr	1·5
	The Lizard ...	62	57	*	0·1	*	*
	Scilly (St. Mary's)	64	59	*	Tr	Tr	0·0
	Guernsey ..	66	57	57	-	-	0·4
6	Pembroke ...	60	56	*	Tr	Tr	0·0
7	Holyhead ...	65	55	54	Tr	2	2·5
	Chester(Sealand)	71	62	55	-	-	0·6
8	Manchester ...	70	60	58	Tr	0·1	4·2
10	Spurn Head ...	70	59	*	-	0·1	3·0
	Catterick ...	66	61	57	-	0·5	2·8
	Tynemouth ...	68	59	55	-	Tr	5·3
11	St. Abbs Head	65	57	*	0·6	-	*
	Leuchars ...	69	57	(54)	0·4	0·3	6·2
12	Renfrew (Abbotsl.)	65	57	57	0·1	2	1·0
	Eskdalemuir ...	64	56	56	3	3	1·1
	Point of Ayre...	*	*	*	Tr	Tr	1·1
13A	Tiree	60	55	54	Tr	8	3·0
13B	Stornoway ...	62	52	*	-	4	2·9
15	Dalwhinnie ...	64	51	48	Tr	2	5·4
	Aberdeen ...	61	51	47	Tr	1	2·3
	Wick ...	56	51	*	-	4	*
16	Lerwick ...	54	49	*	0·5	0·3	4·4
17	Blacksod Point	60	56	*	1	5	*
18	Malin Head ...	60	59	*	0·4	1	0·1
	Aldergrove ...	65	59	58	Tr	1	0·0
19	Birr Castle ...	68	59	57	0·1	1	0·5
20	Valentia Obsy. †	63	58	57	2	4	0·0
	Roches Point	70	56	*	Tr	0·6	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T % (Yesterday.)	Humidity. 9h. G.M.T % (To-day.)	Visibility 9h.
Kew	18	cp$_o$c	cbcby	bybcc	73	62	57	Tr	-	6·1	*	*	7
Croydon	217	cic$_o$cp$_o$	cbc	bccmwp	72	59	55	Tr	-	4·9	*	*	7
Greenwich (Royal Observatory)...	149	c	cpby	bc	78	61	55	0·3	-	6·4	55	79	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6·6	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	74	64	59	-	-	6·5	50	79	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	74	63	60	-	-	7·1§	59	79	*
Camden Square	110	c	bcb	*	76	63	60	-	-	-	*	76	*
Kensington	80	cpbc	bc	*	73	62	59	Tr	-	7·1	At 18h. 58	79	*
Hampstead Observatory	450	c	bcb	c	73	60	62	-	-	7·5	*	87	*

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 1st July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 2nd July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1022·1	NW	2	pr	70	1022·3	I—	0	Z_o	66
Brussels	1020·1	W	3	c	68	1021·8	SW	3	0	63
Berlin						1021·7	WNW	2	c	68
Zürich	1022·0	NW	3	bc	*	1022·7	WSW	1	b	57
Rome	1015·8	N	4	bc	77					

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
Less than 0·3 whole period			

Kew Observatory. Max.	Time.	Min.	Time.
Less than 0·1 whole period			

Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
73	61	0·2	Tr
68	54	3	0·1
*	59		-
*	52	*	-
*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 3rd July, 1937.
No. 27617.

OBSERVATIONS at 13h. G.M.T 2nd July

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	1019·0	-10	SSW	2	c	75	65	8	8	-	-	9+	9+	2500
	Croydon ...	1019·3	-6	S'W	3	c	73	65	8	2	3	-	4-6	9+	2500
	S. Farnborough	1019·0	-8	S'W	2	c	72	65	8	2	3	2	4-6	9	2500
	Boscombe Down	1018·9	-6	SSW	3	bc	71	65	7	2	-	9	4-6	4-6	1500
	Calshot (Sthmtn.)	1020·0	-6	SW	3	c	71	75	8	8	8	-	2-3	7-8	800
	Lympne ...	1020·9	-4	SW	2	c	69	75	7	5	3	9	4-6	9	450
	Manston ...	1020·1	0	SSW	4	c	69	75	7	5	3	-	2-3	9+	2500
2	Shoeburyness ...	1019·7	-8	SSW	3	c	74	65	8	8	-	-	9+	9+	4000
	Felixstowe ...	1019·6	-2	SE3	3	c	68	75	7	8	3	3	4-6	9+	2500
	Gorleston ...	1019·1	-4	SE	4	c	67	75	6	8	4	-	4-6	7-8	2500
	Mildenhall ...	1019·0	+2	SW	3	c	70	75	7	8	7	-	7-8	9+	2500
	Cranwell ...	1017·5	-2	SW3	2	c	72	65	8	8	3	-	7-8	9+	4000
3	Birmingham ...	1018·1	-2	S	2	c	65	85	8	5	7	-	4-6	10	1500
	Upper Heyford	1018·6	-6	S'W	2	c	70	75	8	8	7	-	7-8	9+	2500
4	Ross-on-Wye	1017·4	-8	SSW	3	c	72	65	8	2	3	-	4-6	9+	4000
5	Bristol ...	1018·2	-10	SW	3	c	72	75	8	8	3	8	4-6	7-8	1500
	Portland Bill ...	1019·5	-4	E	2	oF	62	92	2	5	-	-	10	10	<150
	Plymouth ...	1018·2	-14	SW3	3	cf$_s$	65	85	8	8	7	-	4-6	9	1500
	The Lizard ...	1018·0	-6	SSE	2	m	61	97	4	5	-	-	10	10	450
	Scilly (St.Mary's)	1016·8	-8	S'W	4	f	65	85	3	-	-	-	10	10	<150
	Guernsey ...	1019·3	-16	SEE	2	c	68	75	8	2	7	6	2-3	7-8	2500
6	Pembroke ...	1015·7	-6	S'W	3	z$_o$	59	97	6	5	-	-	10	10	2500
7	Holyhead ...	1014·9	-6	SSW	5	O	60	92	7	5	-	-	10	10	220
	Chester(Sealand)	1015·8	-8	S	2	c	71	65	8	8	7	-	9	9+	2500
8	Manchester ...	1016·4	-6	SW	4	c	71	55	8	8	3	-	9	9+	2500
10	Spurn Head ...	1017·2	0	SSW	2	c	74	75	7	8	7	-	7-8	10	2500
	Catterick ...	1015·2	-4	SSW	3	c	70	65	7	8	9	-	4-6	9	2500
	Tynemouth ...	1014·9	+4	WSW	3	c	70	65	7	7	-	-	7-8	7-8	2500
11	St Abbs Head	1011·6	-4	SW	5	q	68	75	8	8	7	9	4-6	9	1500
12	Leuchars ...	1010·7	+2	SSW	4	ir$_o$	65	75	8	5	7	-	7-8	9+	1500
	Renfrew (Abbotsl.)	1008·7	-6	SSW	5	c	67	75	8	5	3	-	4-6	9	1500
	Eskdalemuir ...	1013·5	0	SSW	5	r$_o$r$_o$	58	97	6	6	-	-	10	10	220
	Point of Ayre...	1013·2	-4	SW3	4	c	67	75	7	5	-	-	9+	9+	1500
13A	Tiree	1005·3	+2	SW	6	rr	58	97	5	-	2	-	10	10	220
13B	Stornoway ...	1003·0	+12	WSW	6	o/r	55	97	7	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1008·3	0	S	3	d	59	92	7	5	2	-	4-6	10	2500
	Aberdeen ...	1009·2	+2	SW	4	c	62	75	7	2	7	2	4-6	7-8	2500
	Wick ...	1004·3	-2	SSW	4	c	66	85	8	5	2	-	2-3	9	1500
16	Lerwick ...	1005·6	-8	S	5	pr$_o$	54	97	6	5	7	-	7-8	9+	800
17	Blacksod Point	1007·3	+8	NW	1	rr	56	92	7	6	-	-	10	10	800
18	Malin Head ...	1006·6	+4	S'W	3	e/pr	62	92	7	9	2	-	7-8	9	1500
	Aldergrove ...	1010·3	-4	S	4	ir$_o$	65	85	8	5	-	-	10	10	1500
19	Birr Castle ...	1011·2	-10	SSW	2	PR	62	85	8	7	2	-	7-8	10	1500
20	Valentia Obsy. †	1010·4	-4	S'W	5	rr	59	97	6	6	-	-	10	10	450
	Roches Point	1013·5	-2	SW	4	dr$_o$	59	97	5	5	-	-	10	10	450

OBSERVATIONS at 18h. G.M.T 2nd July

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1017·9	-8	S	3	c	74	65	8	2	-	6	Tr	10	2500	0	*
	Croydon ...	1018·2	-10	SE	3	c	71	65	8	2	4	6	2-3	9	4000	0	*
	S. Farnborough	1017·8	-6	S'W	3	c	71	65	8	1	-	2	Tr	7-8	4000	0	*
	Boscombe Down	1017·4	-12	SE	4	c	70	65	8	-	-	6	0	7-8	-	0	*
	Calshot (Sthmtn.)	1018·5	-10	E	4	c	64	92	8	1	4	4	1	7-8	4000	0	3
	Lympne ...	1020·0	-6	SE'E	2	bc	65	85	8	5	9	2	2-3	4-6	5700	0	§
	Manston ...	1018·9	-6	S'W	4-3	bc	72	65	8	5	4	4	2-3	7-8	4000	0	*
2	Shoeburyness ...	1018·8	-6	S	3	c	70	75	8	2	3	8	Tr	9	4000	0	*
	Felixstowe ...	1018·6	-6	SSE	3	c	67	75	8	5	7	1	2-3	7-8	2500	0	3
	Gorleston ...	1018·4	-4	SE	4	c	66	85	6	5	-	-	9	9	2500	0	2
	Mildenhall ...	1017·4	-6	S	3	c	73	65	8	8	4	1	2-3	7-8	4000	0	*
	Cranwell ...	1016·3	-8	SSE	3	c	72	65	8	8	4	-	4-6	9	4000	0	*
3	Birmingham ...	1015·8	-14	S	3	c	71	65	8	4	-	6	7-8	9	2500	0	*
	Upper Heyford	1017·1	-10	SW	3	c	71	65	9	8	4	6	2-3	7-8	2500	0	*
4	Ross-on-Wye	1015·3	-12	SSW	3	bc	73	55	8	8	4	9	2-3	4-6	4000	0	*
5	Bristol ...	1016·6	-10	S	3	c	72	75	8	8	7	8	4-6	7-8	2500	1	*
	Portland Bill ...	1017·3	-18	E	3	c	59	92	7	4	-	-	10	10	2500	1	3
	Plymouth ...	1016·4	-12	S'E	3	cf$_s$	63	92	7	5	7	-	4-6	9+	800	0	1
	The Lizard ...	1016·1	-10	S'E	2	o	59	97	6	5	-	-	10	10	800	0	2
	Scilly (St.Mary's)	1014·7	-10	S	4	c	62	85	8	8	-	-	10	10	2500	0	2
	Guernsey ...	1017·5	-12	SEE	1	c	68	75	9	8	1	-	4-6	7-8	2500	0	1
6	Pembroke ...	1014·2	-14	SW	3	c	59	97	7	5	7	-	7-8	9+	2500	1	2
7	Holyhead ...	1013·7	-8	SSW	4	c	58	92	7	5	-	-	10	10	220	1	2
	Chester(Sealand)	1014·2	-14	SE'S	2	c	70	75	7	4	2	-	4-6	10	4000	0	*
8	Manchester ...	1014·9	-12	S'W	3	c	72	65	7	8	7	6	2-3	9	4000	1	*
10	Spurn Head ...	1016·0	-4	SSW	2	c	68	85	7	5	7	-	4-6	9+	2500	0	2
	Catterick ...	1014·1	-2	SE'S	1	c	67	75	7	9	7	-	7-8	9+	1500	0	*
	Tynemouth ...	1012·9	-4	WSW	2	c	69	65	7	5	-	-	7-8	7-8	1500	0	1
11	St Abbs Head	1010·4	-10	SSW	5	c	65	85	8	4	6	6	4-6	9	2500	0	3
12	Leuchars ...	1010·1	-4	SSW	5	c	65	75	8	5	7	-	2-3	9+	1500	1	*
	Renfrew (Abbotsl.)	1009·5	-4	S	4	r$_o$r$_o$	62	85	6	5	2	-	7-8	10	1500	1	*
	Eskdalemuir ...	1012·3	-6	SSW	6	rr	59	97	6	6	-	-	10	10	220	1	*
	Point of Ayre...	1012·4	-4	SW	5	ir$_o$	61	92	7	8	7	-	4-6	9+	800	0	3
13A	Tiree	1006·6	+2	WS	2	r$_o$r$_o$	53	85	7	2	2	-	1	10	1500	1	3
13B	Stornoway ...	1005·0	+10	SSW	4	r$_o$r$_o$	53	92	7	5	2	-	7-8	10	1500	1	2
15	Dalwhinnie ...	1007·9	0	SE	3	ir	58	92	7	4	-	-	10	10	2500	1	*
	Aberdeen ...	1009·4	-2	SEE	3	c	61	75	7	2	9	-	4-6	9+	1500	0	2
	Wick ...	1005·3	+2	S	4	c	57	85	8	8	1	-	7-8	9	1500	1	2
16	Lerwick ...	1006·2	+6	S	4	c	54	92	7	5	7	-	7-8	9	800	1	*
17	Blacksod Point	1007·1	0	N	3	iR	51	92	7	6	-	-	10	10	450	2	3
18	Malin Head ...	1006·4	+2	N	1	RR	55	97	6	3	2	-	7-8	10	1500	1	1
	Aldergrove ...	1006·3	-2	S	3	RR	60	97	6	6	2	-	4-6	10	800	1	*
19	Birr Castle ...	1009·0	-16	SSW	2	pr$_o$	61	97	8	9	2	-	7-8	10	1500	1	*
20	Valentia Obsy. †	1007·5	-18	S	6	rr	59	97	5	6	-	-	10	10	450	1	4
	Roches Point	1010·6	-20	SW	4	ir	58	97	7	5	7	-	4-6	10	800	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 2nd... (37)	Weather. 13h.—18h. 2nd. (38)	Weather. 18h. 2nd to 1h. 3rd... (39)	Weather. 1h.—7h. 3rd. (40)
1	London (Kew)	c	c	c	cbc
	Croydon ...	c	c⊕	cbc	bc
	S. Farnborough	m·c	cbcv	bcvcbcw	bcw
	Boscombe Down	cbc	bccbc	bc	bc
	Calshot (Sthmtn.)	om·c	bc	bc	bc
	Lympne ...	focm·c	cz·yc	bc	cbcc
	Manston ...	c	cbc	bcc	bcm$_o$c
2	Shoeburyness ...	cm·c	cbccv	cvbc	bccw
	Felixstowe ...	cm·c	cm·bv	bcvb	bwbcm$_o$
	Gorleston ...	cq	cq	cbc	bcz$_o$
	Mildenhall ...	c	c	c	cbc
	Cranwell ...	c	c	c	cbcwcm$_o$c
3	Birmingham ...	cid.	c	cbcc	c
	Upper Heyford	clr·c	cvy	cvc	cbc
4	Ross-on-Wye	cbcc	cbc	c	c
5	Bristol ...	cd·cbc	bcc	c	cbc
	Portland Bill ...	off	offc	cbc	bcc
	Plymouth ...	ofd·mbc	c	c	c
	The Lizard ...	ff pd	cmifc	cff bc	bcc
	Scilly (St.Mary's)	ofifc	oifcc	cbcw	bcc
	Guernsey ...	czmbc	cbcc	cbcw	bcwc
6	Pembroke ...	ofcfpr·m$_o$	cm·c	cbcc	c
7	Holyhead ...	ofd·c	odo·c	cpr·o	oc
	Chester(Sealand)	cr.	c	c	c
8	Manchester ...	cm·c	cypr·c	c	ccpr
10	Spurn Head ...	c	c	c	pr·c
	Catterick ...	c	cr·c	ccm$_o$	cm$_o$
	Tynemouth ...	cp·bc	c	cp	c
11	St Abbs Head	cq	cq	c	cm$_o$
12	Leuchars ...	⊕ clr·	cir·c	cir$_o$	cir·c
	Renfrew (Abbotsl.)	r·dd r·c	cm·r·r$_o$	cm·rr	cm·rrdd
	Eskdalemuir ...	cr·r$_o$	cir rr	crr ir$_o$	cir$_o$m$_o$c
	Point of Ayre...	c	cir·	cir$_o$	c
13A	Tiree	oDrr	orRr·c	corr	rrc
13B	Stornoway ...	r·r$_o$ c	cpr·r$_o$r$_o$	r·r$_o$pr$_o$	c
15	Dalwhinnie ...	eir	cir	*	crr
	Aberdeen ...	c	cpr·c	ccr·r	cr·c
	Wick ...	c	c	r·r·c	m$_d$·o
16	Lerwick ...	orr pr·m$_o$	cpr·pr	crr	cr$_o$r·rr
17	Blacksod Point	iR	iR	iR	rpcq
18	Malin Head ...	cpr·	crrc	oRR	ciRc
	Aldergrove ...	cir·c	cr·rrR	Rrrm$_o$	crrRm
19	Birr Castle ...	cpr	cpr	cpr	cprrr
20	Valentia Obsy. †	r·r$_o$rr	r·rrr·rr	rrRR	RRrr
	Roches Point	drfrfdrdr	drdr ir	orr	rroid$_o$

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Co predominating, and a little cirrus.
(Co may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

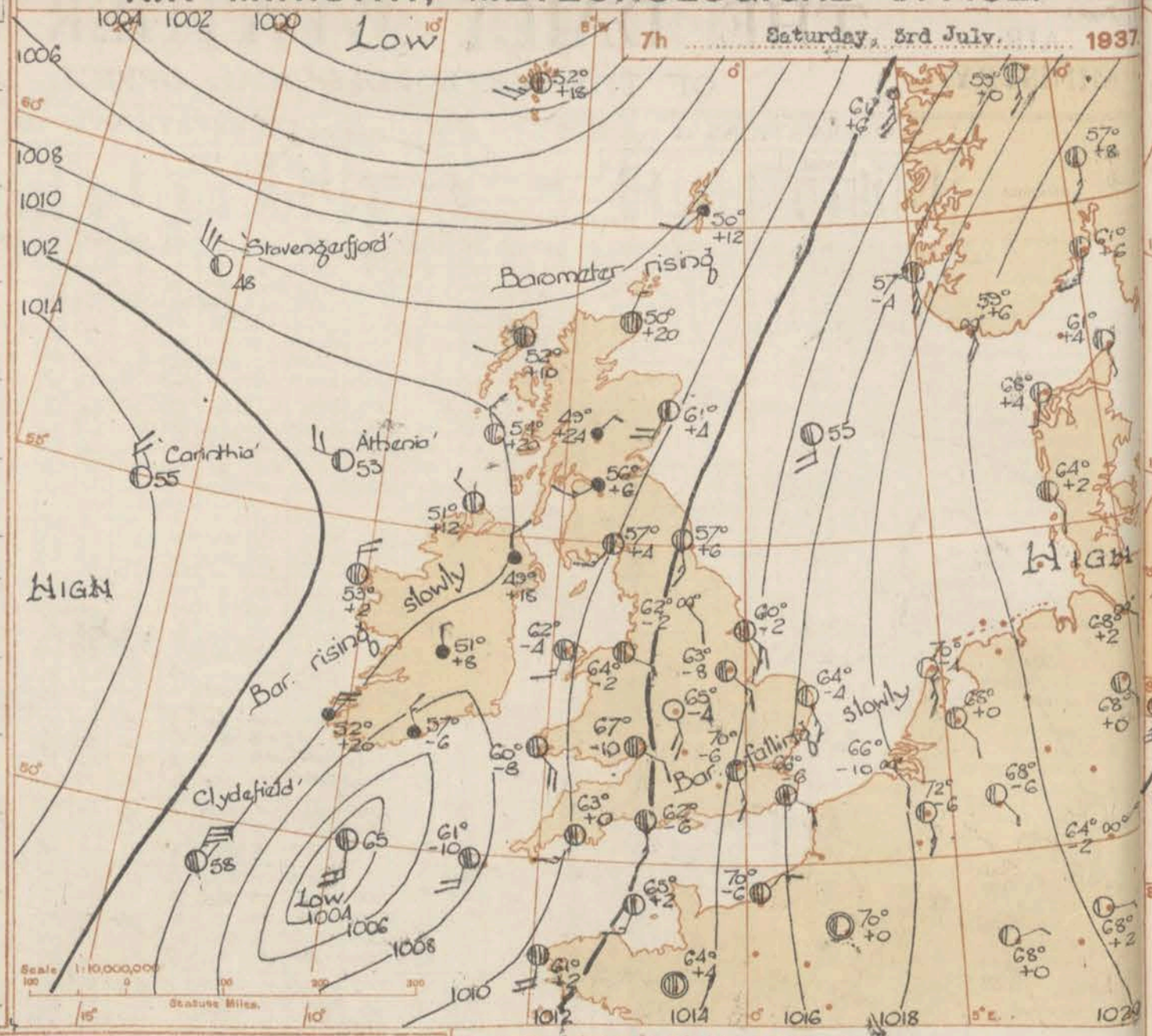
† Spn disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 2nd July 1937

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 1st to 9h. 2nd	Temperature (°F.) Max. 9h.—17h. 2nd	Rainfall (mm.) Night. 17h. 1st to 9h. 2nd	Rainfall (mm.) Day. 9h.—17h. 2nd	Sunshine (Hrs.) Sunrise to 17h. 2nd	Sunshine (Hrs.) Sunrise to Sunset. 1st
1	Tunbridge W.	oc	bc	53	76	-	-	3·4	2·4
	Bournemouth	ocbc	bfc	60	71	-	-	4·8	3·7
	Ventnor ...	om	obbm	58	66	-	-	3·4	2·8
	Southsea ...	ocb	bcbc	61	71	-	-	3·0	2·9
	Bognor Regis	oc	em.bc	59	62	-	-	0·2	1·5
	Littlehampton	o	ocbc	58	63	-	-	2·1	3·1
	Worthing ...	o	cbcb	58	63	-	-	2·1	1·5
	Brighton ...	c	cb	58	64	-	-	1·3	1·0
	Eastbourne† ...	o	ocb	58	67	-	-	2·9	1·7
	Hastings† ...	oc	cbcbc	57	69	-	-	4·3	1·9
	Folkestone ...	om.o	ocbc	57	66	-	-	1·9	7·1
	Dover ...	oif	oifbc	57	63	-	-	1·0	7·1
	Deal	coco	bcbcb	58	75	-	-	4·2	4·6
	Ramsgate ...	c	cbc	59	70	-	-	3·5	7·7
	Margate ...	c	bc	59	75	-	-	4·7	8·2
2	Southend ...	ocbc	bcb	61	76	-	-	2·8	6·3
	Maldon ...	bc	cbv	57	76	-	-	2·7	6·5
	Clacton-on-Sea	bccz	bcb	60	71	-	-	4·7	6·9
	Dovercourt ...	bc	ocbc	58	72	-	-	5·6	7·6
	Lowestoft ...	c	c	61	72	-	-	2·2	3·2
	Skegness ...	bcbc	bcc	60	73	-	-	2·1	3·7
	Mablethorpe...	bcc	bcc	58	74	-	-	2·1	4·7
	Cleethorpes ...	bcc	bcc	60	76	-	-	1·6	3·5
3	Leamington S.	c	c	59	73	Trace	-	0·2	1·9
4	Cheltenham†	oc	cbc	60	76	-	-	1·3	5·7
5	Bath	pcbc	bcb	62	76	-	Trace	4·5	1·9
	Weymouth ...	if	iff	59	67	-	-	3·2	4·2
	Jersey ...	bbc	bcc	57	79	-	-	6·1	1·5
	Torquay ...	om.cbc	co	60	65	Trace	-	2·3	2·6
	Penzance ...	fcmc	cmc	58	63	-	-	0·1	0·8
	St. Ives ...	c	p	54	62	Trace	Trace	4·4	4·4
	Bude... ...	cbc	bc	59	72	0·4	-	3·8	0·0
	Ilfracombe ...	orco	bccbc	60	74	1	-	3·7	0·9
6	Aberystwyth	prc	cbc	57	69	2	-	0·3	0·1
7	Llandudno ...	cir.	r.c	60	68	Trace	0·2	0·1	6·1
	Colwyn Bay...	cdc	cdc	61	69	-	0·3	1·7	1·4
	Rhyl	c pr.	d.c	61	76	Trace	0·2	0·1	7·3
8	Wallasey ...	c	cpc	61	71	-	1	0·4	0·6
	Southport ...	coc	pcpc	60	70	1	0·5	0·7	1·6
	Blackpool ...	c	cpc	61	70	0·5	Trace	0·8	2·3
	Morecambe ...	c	bbcc	59	71	1	-	0·5	0·3
9	Ilkley... ...	c	c	60	72	0·2	-	1·5	3·7
	Harrogate ...	c	cp	60	69	0·1	0·2	0·3	0·3
10	Berwick-on-T.	c	c	58	63	-	-	2·2	5·3
11	Dunbar ...	bc	bc	54	71	-	-	4·2	5·5
12	Troon... ...	groc	or.o	55	61	4	0·3	0·0	1·5
	Douglas ...	cbr.	com	56	59	0·5	Trace	0·1	3·2

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Freshening southeast or south winds, becoming northerly and moderating later; bright periods, but cloud increasing and thundery rain occurring later; very warm at first, but temperature falling later.
5 S.W. England	Light or moderate southeast winds, becoming northerly, occasional thundery rain at first, fairer later; rather warm at first.
6 South Wales ... 7 North Wales ...	Fresh southeast winds, strong locally, becoming northerly and moderating later; occasional thundery rain at first, fairer later; rather warm at first.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 4.
12 S.W. Scotland & Isle of Man.	Moderate northwest winds; mainly fair apart from local showers; average temperature.
13 A. W. Scotland B.N.W. Scotland.	Fresh northwest winds, strong at times; mainly fair apart from local showers; average temperature.
14 Mid Scotland	As 12 & 13A.
15 N. E. Scotland	
16 Orkney and Shetland	Fresh west or northwest wind, strong at times; mainly fair apart from local showers; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 12 & 13A.

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

GENERAL INFERENCE.

A deep depression near Iceland is drifting northeast and another west of Scilly is moving slowly eastwards. Thundery rain will spread over Wales and England, but it will be mainly fair elsewhere. In the southeast it will be very warm at first but temperature will tend to fall later.

FURTHER OUTLOOK.

Mainly fair in most districts, but some showers in the west; cooler than of late in England.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of

SATURDAY
3RD JULY
1937.

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

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 2/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere: a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 3rd July, 1937.

No. 27617.

OBSERVATIONS at 1 hr. G.M.T. 3rd July

District	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Rel. Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1016.4	-14	SE	4	c	65	85	8	5	3	>	2-3	7-8	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1018.2	-10	ESE	3	bc	64	85	7	-	-	2	0	4.6	-
	Manston ...	142	1017.8	-10	E's	3	bc	61	92	7	-	1	-	0	4.6	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018.0	-2	SSE	3	bc	61	92	7	-	7	6	0	4.6	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1014.6	-20	ESE	3	bc	60	85	7	4	-	4	2-3	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1012.2	-20	ESE	2	bc	58	87	7	5	-	-	4.6	4.6	1500
	Scilly (St. Mary's)	163	1010.5	-30	SE's	4	bc	58	87	7	5	4	3	2-3	4.6	2500
	Guernsey ..	175	1014.3	-20	SE's	1	bc	65	85	6	-	1	-	0	4.6	-
6	Pembroke ...	142	1011.0	-6	SE's	4	c	57	87	8	5	2	-	4.6	7.8	1500
7	Holyhead ...	26	1011.0	-14	SW	4	o	52	92	8	5	-	-	10	10	450
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1015.9	0	SSE	5	c	60	87	7	5	1	-	4.6	7.8	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1012.4	-8	S	3	c/pr	62	85	7	4	-	-	7.8	7.8	1500
11	St. Abbs Head	280	1011.1	-4	S	3	c	60	92	7	5	2	-	7.8	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1010.4	-8	Sw's	6	c	60	87	8	6	-	-	5	5	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1006.0	+6	S	3	c	51	92	7	5	7	-	7.8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1006.6	+4	NNW	2	r.r.	52	92	6	5	2	-	7.8	10	800
16	Lerwick ...	156	1008.0	+10	SW	3	rr	52	92	7	6	2	-	7.8	10	800
17	Blacksod Point	18	1009.1	+6	-	0	c	51	92	7	5	-	-	5	9	800
18	Malin Head ...	84	1007.5	+10	N	1	RR	49	97	6	3	-	-	10	10	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1008.1	+10	WSW	4	RR	56	97	6	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 3rd July

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1014.1	-10	SSE	3	c	70	75	8	-	-	8	0	7-8	-	0	*
1014.2	-6	SSE	3	c	70	75	8	1	3	3	Tr	7-8	4000	0	*
1013.3	-8	SSE	3	bc	65	75	8	1	3	2	Tr	4.6	2500	0	*
1012.2	-16	SE	3	c	65	85	7	2	2	6	Tr	7-8	2500	0	*
1013.1	-6	SE	3	c	67	85	7	-	4	6	0	7-8	-	0	3
1016.0	-6	SE'E	3	c	66	85	8	7	8	2	2-3	7-8	5700	0	3
1015.8	-6	SE'S	4	c	64	85	7	-	7	6	0	7-8	-	0	*
1015.7	-10	SE	3	c	68	85	7	-	3	8	0	7-8	-	0	*
1016.2	-4	SE'E	3	c	66	85	6	-	4	4	0	4.6	-	0	2
1016.6	-4	SSE	3	bc	64	85	6	-	-	1	0	4.6	-	0	2
1014.4	-6	SE	3	bc	68	85	8	1	3	4	1	4.6	4000	0	*
1013.8	-8	SE	3	c	63	85	7	8	4	3	2-3	3+	2500	0	*
1012.6	-4	SSE	2	c	65	85	8	5	3	-	4.6	7-8	2500	0	*
1013.2	-10	SE	3	bc	66	85	8	7	3	8	1	4.6	4000	0	*
1011.1	-10	ESE	2	c	67	85	7	-	3	-	0	7-8	-	0	*
1011.0	-12	SSE	3	bc	65	85	7	7	3	6	2-3	4.6	2500	0	*
1011.1	-6	S	3	c	62	85	7	4	4	-	4.6	5	2500	0	3
1010.2	0	SSW	3	c	63	85	8	5	7	3	1	3+	1500	0	1
1009.4	-6	S'E	3	c	60	87	7	5	-	-	10	10	1500	0	2
1007.7	-10	S	4	c	61	92	7	8	2	-	7-8	10	1500	0	3
1012.2	+2	S'W	3	c	65	85	8	7	3	1	4.6	7-8	2500	0	2
1008.6	-8	SE	4	c	60	87	7	5	7	-	7-8	3+	2500	0	2
1002.7	-4	S'W	3	c	62	85	5	5	7	-	2-3	10	4000	1	2
1011.3	-2	SE'E	1	c	64	85	8	5	2	-	3	10	2500	0	*
1011.8	+6	SE'S	1	c/pr	65	85	7	8	7	-	7-8	10	2500	1	*
1013.5	-2	SE'S	4	c	60	87	7	5	7	-	4.6	3+	1500	1	3
1012.1	-2	SE'S	2	z	62	85	6	8	3	5	7-8	3+	2500	0	*
1012.5	+6	S	3	c	57	85	6	5	-	-	7-8	7-8	1500	1	1
1010.5	+2	S	4	c	61	85	6	6	2	-	4.6	10	1500	0	2
1009.3	+4	S	4	c	62	85	8	5	6	-	7-8	10	1500	1	*
1010.2	+20	NNW	2	c	54	85	8	3	2	8	2-3	3+	1500	1	3
1008.8	+10	SW	2	c	52	85	7	5	8	6	4.6	3+	1500	1	1
*	+24	NE	1	RR	49	92	6	4	2	-	7-8	10	2500	1	*
1009.8	+4	SSW	4	c	61	85	7	5	7	-	2-3	3+	2500	1	2
1009.3	+20	NNE	1	o	50	87	5	5	-	-	10	10	800	1	1
1009.4	+12	SW	2	rr	50	87	7	6	2	-	7-8	10	800	1	*
1011.4	+2	N	4	c	53	85	7	5	-	-	5	5	800	1	3
1010.2	+12	NW	1	c	51	87	7	5	2	-	4.6	5	1500	1	1
1010.0	+8	N'W	2	rr	49	87	6	6	2	-	2-3	10	1500	2	*
1008.7	+8	N'W	1	rr	51	87	7	5	-	-	10	10	2500	1	*
1010.1	+20	NNE	4	rr	52	92	8	6	2	-	7-8	10	1500	1	3
1007.2	-6	NW	3	rd	57	87	8	5	-	-	10	10	1500	1	2

PAST 24 HOURS.

District	Stations. (For heights see	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine (36)
1	London (Kew)	77	63	58	-	-	2.5
	Croydon	75	64	61	-	-	4.1
	S. Farnborough	74	60	54	-	-	5.2
	Boscombe Down	73	59	56	-	-	4.3
	Calshot (Sthn.	73	62	62	-	-	5.3
	Lympne	69	59	55	-	-	3.7
	Manston	75	60	58	-	-	6.4
2	Shoeburyness	76	62	56	-	-	5.6
	Felixstowe	70	61	56	-	-	5.3
	Gorleston	70	61	58	-	-	3.0
	Mildenhall	75	60	56	-	-	2.1
	Cranwell	75	59	56	-	-	2.0
3	Birmingham	72	61	59	Tr	-	1.3
	Upper Heyford	75	61	57	Tr	-	*
4	Ross-on-Wye	75	61	55	-	-	3.4
5	Bristol	74	59	56	Tr	-	6.3
	Portland Bill	63	58	*	-	-	*
	Plymouth	67	60	58	Tr	-	2.2
	The Lizard	62	57	*	Tr	Tr	*
	Scilly (St. Mary's)	65	58	*	-	-	0.6
	Guernsey	71	63	60	-	-	7.1
6	Pembroke	62	56	*	Tr	-	0.1
7	Holyhead	62	58	57	Tr	0.2	0.0
	Chester(Sealand)	73	61	58	Tr	-	0.3
8	Manchester	72	62	60	Tr	Tr	1.4
10	Spurn Head	75	55	*	-	0.1	1.3
	Catterick	71	60	58	Tr	-	0.7
	Tynemouth	72	57	56	0.1	0.3	*
11	St. Abbs Head	70	59	*	-	-	*
	Leuchars	70	59	57	Tr	0.1	2.6
12	Renfrew (Abbots	68	56	55	2	8	0.6
	Eskdalemuir	59	56	56	6	2	0.0
	Point of Ayre	69	57	*	Tr	0.4	0.0
13A	Tiree	55	49	47	8	5	0.0
13B	Stornoway	58	50	*	1	2	0.0
15	Dalwhinnie	63	45	47	3	16	1.1
	Aberdeen	68	57	55	Tr	1	4.1
	Wick	69	45	*	-	4	*
16	Lerwick	55	49	*	2	5	0.0
17	Blacksod Point	66	46	*	25	17	*
18	Malin Head	63	48	*	10	28	0.4
	Aldergrove	67	48	48	14	18	0.9
19	Birr Castle	66	50	51	6	14	0.0
20	Valentia Obsy.	60	51	50	22	34	0.0
	Roches Point	60	55	*	5	8	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. Yesterday. hrs.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew	18	c	c	cbc	77	63	58	-	-	2.5	*	*	8
Croydon	217	c	c ⊕	cbc	75	64	61	-	-	4.1	*	*	8
Greenwich (Royal Observatory)...	149	c	cy	cb	80	61	53	-	-	3.4	58	60	8
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2.6	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	77	47	60	—		2.6	63	61	*
Kbgents Pk. (Botanic Gardens)‡...	168	*	*	*						3.8			*
Camden Square	110	c	cbc	*	77	65	57	-	-	*	*	61	*
Kensington	80	cocbc	bc	*	74	65	57	-	-	2.8	At 18h. 57	61	*
Hampstead Observatory	450	b	bcp	bc	73	63	53	-	-	4.0	*	66	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 2nd July. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.	7h. G.M.T. 3rd July. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
Paris	1019.1	NE	2	bc	77	1016.9	-	0	bc	70
Brussels	1020.3	S	3	c	73	1013.0	SSE	3	bc	72
Berlin	1022.4	WNW	2	bc	73					
Zürich	1020.0	NNE	1	b	73	1019.8	W	1	b	61
Rome	1014.9	N	5	b	73	1016.7	ENE	2	b	72

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
73	59	-	-
75	59	-	-
*	*	-	-
81	55	-	-
*	*	-	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 3rd

South Kensington.

Max.	Time.	Min.	Time.
4	0-3	whole	period

Kew Observatory.

Max.	Time.	Min.	Time.
20-1	whole	period	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

‡ 1 hr. observations are from Valentia W/T Station. † Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‖ Sea disturbance reported from Dungeness.

AIR MINIST

(For heights see

1 London (Kew)
Croydon
S. Farnborou
Boscombe D
Calshot (Sth
Lympne
Manston

2 Shoeburyne
Felixstowe
Gorleston
Mildenhall
Cranwell

3 Birmingham
Upper Heyf
4 Ross-on-Wy

5 Bristol
Portland Bil
Plymouth
The Lizard
Scilly (St. Ma
Guernsey

6 Pembroke
7 Holyhead
Chester(Seal
8 Manchester

10 Spurn Head
Catterick
Tynemouth

11 St. Abbs He
Leuchars
12 Renfrew (Abb
Eskdalemui
Point of Ay

13A Tiree ...
13B Stornoway
15 Dalwhinnie
Aberdeen
Wick
16 Lerwick

17 Blacksod P
18 Malin Head
Aldergrove

19 Birr Castle
20 Valentia Ob
Roches Poi

COLUM

b, blue sky (n
covered
bc, sky par
covered).
d, drizzle.
f, fog, visibilit
F, thick fog
fs, low fog ov
fg, low fog ov
m, mist, visib
h, hail. i, int
jf, fog at a dist
jp, precipitat
station.
ks, storm of d
k/s, slight s
(generally
k/S, heavy s
(generally
s/k, slight s
(generally
S/k, heavy s
(generally
KQ, line squa
o, overcast sk

NOTE.—The

‖ Sea disturbance

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 4th July, 1937.

No. 27618

OBSERVATIONS at 13h. G.M.T. 3rd July

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1012·0	-6	SSE	4	bc	81	55	8	1	4	6	Tr	4·6	4000
	Croydon ...	1012·0	-10	SSE	4	bc	81	55	8	1	4	3	1	2·3	5700
	S. Farnborough	1011·6	-6	SSE	4	bc	80	55	8	1	-	1	Tr	2·3	4000
	Boscombe Down	1010·8	-10	S	4	bc	77	65	8	-	-	6	0	4·6	-
	Calshot (Sthmtn.)	1012·4	-6	S'W	4	bc	76	55	8	-	4	6	0	4·6	-
	Lympne ...	1014·2	-8	SE	3	bc	76	65	8	2	-	4	Tr	4·6	4000
	Manston ...	1013·9	-10	SSE	4	bc	77	55	8	-	-	4	0	4·6	-
2	Shoeburyness ...	1013·6	-20	SSE	3	bc	81	75	8	1	-	8	Tr	4·6	5700
	Felixstowe ...	1014·7	-10	ESE	3	c	71	75	8	-	4	3	0	7·8	-
	Gorleston ...	1015·0	-8	SES	3	bc	67	85	6	1	7	1	2·3	4·6	4000
	Mildenhall ...	1012·0	-16	SSE	5	bc	82	55	8	1	9	8	2·3	4·6	4000
	Cranwell ...	1011·2	-14	SEE	5	c	79	55	8	8	4	3	7·8	9	2500
3	Birmingham ...	1008·5	-10	SSE	4	c	78	45	8	7	8	6	7·8	7·8	4000
	Upper Heyford	1010·9	-6	S	4	c	81	46	8	1	9	6	Tr	7·8	4000
4	Ross-on-Wye	1009·8	-8	S	4	c	77	55	8	1	9	6	0	7·8	-
5	Bristol ...	1010·1	-6	S'E	4	c	73	75	8	5	7	3	2·3	9	7200
	Portland Bill ...	1011·1	0	SW	2	c	63	92	7	4	-	2	4·6	7·8	2500
	Plymouth ...	1010·1	-2	S	3	d.	61	97	5	-	2	-	10	10	450
	The Lizard ...	1007·8	-10	S	5	ir.	60	97	5	5	-	-	10	10	800
	Scilly (St. Mary's)	1005·8	-8	S'E	5	d.	63	92	5	5	-	-	10	10	800
	Guernsey ...	1011·4	-6	S'W	3	c	75	65	8	5	7	1	4·6	9	2500
6	Pembroke ...	1007·6	0	S'E	3	c	64	85	7	5	7	-	4·6	9+	2500
7	Holyhead ...	1008·6	-10	N	3	c	62	85	8	7	2	-	4·6	10	4000
	Chester (Sealand)	1008·8	-14	SSE	2	c	75	65	7	8	1	-	4·6	10	5700
8	Manchester ...	1009·1	-14	S'E	3	c	78	55	7	8	7	-	7·8	10	4000
10	Spurn Head ...	1012·1	-12	SE'E	4	bc	65	85	6	7	7	9	2·3	4·6	4000
	Catterick ...	1010·0	-14	NNW	2	c.	69	85	6	9	7	-	7·8	9+	2500
	Tynemouth ...	1011·3	-4	SE	1	c	58	85	6	-	2	-	7·8	7·8	800
11	St. Abbs Head	1011·5	+4	SE	3	ir	62	92	6	5	2	-	7·8	10	1500
12	Leuchars ...	1011·5	+10	SW	2	c/r	60	92	7	5	2	-	7·8	10	1500
	Renfrew (Abbotsl.)	1012·0	+10	NW	2	r.	57	85	6	2	-	-	10	10	2500
	Eskdalemuir ...	1010·4	-2	SW	2	c	63	85	7	5	1	2	4·6	9+	1500
	Point of Ayre ...	1010·2	+2	N	2	c	60	92	7	5	1	-	4·6	10	800
13a	Tiree	1013·3	+14	N'N	2	c	58	75	8	2	7	8	Tr	9+	2500
13b	Stornoway ...	1012·6	+12	WSW	2	c	62	55	8	6	6	-	7·8	7·8	4000
15	Dalwhinnie ...	1013·1	+18	N	1	c	52	92	7	4	2	-	4·6	10	2500
	Aberdeen ...	1013·2	+24	NNE	2	rr	52	97	6	-	-	-	10	10	1500
	Wick ...	1012·9	+16	S	2	r.	51	97	7	-	-	-	10	10	800
16	Lerwick ...	1012·7	+20	SW	2	c/r	51	97	7	8	7	-	7·8	10	800
17	Blackwood Point	1014·2	+12	N	4	c	56	75	8	9	-	-	9	9	1500
18	Malin Head ...	1013·2	+10	N	2	c	56	85	7	8	-	5	4·6	9	2500
	Aldergrove ...	1011·2	+10	N	2	rr	53	92	6	6	2	-	4·6	10	800
19	Birr Castle ...	1010·7	+6	N	1	c/r	53	97	8	6	2	-	4·6	10	1500
20	Valentia Obsy. †	1012·7	+12	NNE	5	c	53	85	8	6	-	-	9	9	1500
	Roches Point	1007·9	+6	N	5	RR	54	97	8	6	-	-	10	10	800

OBSERVATIONS at 18h. G.M.T. 3rd July

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1011·0	-8	SSE	3	c	78	56	8	-	7	-	0	9+	-	0	*
	Croydon ...	1011·4	-4	S'E	2	c	78	55	8	-	8	6	0	9+	-	0	*
	S. Farnborough	1010·6	-10	SE	3	c	76	55	8	5	7	8	2·3	9+	5700	0	*
	Boscombe Down	1010·3	-6	S'E	4	c	72	65	8	-	7	-	0	7·8	-	0	*
	Calshot (Sthmtn.)	1011·4	-2	ESE	3	c	69	85	7	5	7	6	2·3	9	5700	0	2
	Lympne ...	1013·0	-6	SE	1	c	74	65	8	-	-	6	0	7·8	-	0	51
	Manston ...	1012·8	-6	S	2	c	77	65	8	-	-	6	0	9	-	0	*
2	Shoeburyness ...	1013·2	-4	S	2	c	75	85	8	-	7	8	0	9	-	0	*
	Felixstowe ...	1013·1	-4	ESE	3	c	68	75	8	-	-	6	0	7·8	-	0	2
	Gorleston ...	1012·2	-4	SSE	4	bc	68	85	6	-	8	-	0	4·6	-	0	2.
	Mildenhall ...	1011·3	0	SSW	4	c	80	55	8	-	8	6	0	7·8	-	0	*
	Cranwell ...	1008·7	+4	S'E	3	c	78	55	9	5	3	3	7·8	9+	2500	0	*
3	Birmingham ...	1009·2	0	S	3	c	74	55	8	5	7	-	2·3	9	4000	0	*
	Upper Heyford	1010·6	0	S	3	c	73	55	8	5	9	-	4·6	9+	5700	0	*
4	Ross-on-Wye	1009·1	0	WSW	3	bc	71	65	8	1	9	2	1	4·6	2500	0	*
5	Bristol ...	1009·1	-10	SW'S	3	c	70	75	8	5	7	-	2·3	9	2500	0	*
	Portland Bill ...	1009·8	-6	SSW	3	c	63	85	7	4	-	-	7·8	7·8	2500	0	3
	Plymouth ...	1007·8	-16	S	6	dd	60	97	4	-	2	-	10	10	450	-	3
	The Lizard ...	1006·0	-6	SW'S	4	z.	60	97	5	5	-	-	10	10	800	-	2
	Scilly (St. Mary's)	1005·7	+4	W'N	5	id.	60	97	5	5	-	-	10	10	800	-	3
	Guernsey ...	1011·7	0	SW'S	4	c	66	76	7	5	7	1	4·6	9	2500	0	3
6	Pembroke ...	1006·5	-6	SSE	3	d.	59	97	5	5	-	-	10	10	2500	1	3
7	Holyhead ...	1008·7	0	NNW	3	0	56	92	7	5	-	-	10	10	450	1	2
	Chester (Sealand)	1007·7	-4	S'E	2	c	74	65	8	8	7	-	4·6	7·8	7200	0	*
8	Manchester ...	1008·4	-2	SE	2	c	74	55	7	8	4	-	9	9+	2500	0	
10	Spurn Head ...	1010·2	-14	SE'E	4	z.	62	92	5	5	1	-	4·6	9+	1500	0	3
	Catterick ...	1008·9	-2	N	2	c/pr	67	92	6	9	7	-	2·3	10	2500	1	*
	Tynemouth ...	1009·5	-8	NE	1	TLR	58	97	6	6	2	-	4·6	10	800	1	1
11	St. Abbs Head	1012·0	-4	N	2	rf	54	97	2	5	-	-	10	10	LEADHAM 150	1	1
12	Leuchars ...	1013·2	+12	NE	3	c	53	92	7	5	2	-	7·8	10	1500	1	*
	Renfrew (Abbotsl.)	1012·0	-2	NW	2	c	59	85	9	5	-	-	10	10	4000	1	*
	Eskdalemuir ...	1010·4	-2	NNE	4	c	63	85	6	5	2	-	9	10	800	1	*
	Point of Ayre ...	1009·5	-10	N	3	c	58	92	8	6	9	-	2·3	9	2500	1	1
13a	Tiree	1015·1	+10	N'W	4	bc	56	75	8	4	3	2	1	4·6	2500	0	3
13b	Stornoway ...	1015·3	+14	W	3	c	58	65	8	5	5	-	4·6	7·8	4000	1	2
15	Dalwhinnie ...	1014·7	+10	N	1	c	52	85	7	6	6	-	7·8	10	2500	1	*
	Aberdeen ...	1015·3	+6	N	2	c	52	97	8	6	7	-	4·6	10	1500	1	2
	Wick ...	1015·2	+10	S	2	c	52	97	8	6	7	-	4·6	9	800	1	1
16	Lerwick ...	1015·4	+24	SW	2	c	53	85	8	7	3	-	4·6	7·8	1500	1	*
17	Blackwood Point	1016·7	+12	N	4	c	55	65	8	9	-	-	4	4·6	1500	0	4
18	Malin Head ...	1014·6	+16	N	2	c	55	85	7	8	-	1	4·6	7·8	2500	0	2
	Aldergrove ...	1012·6	+2	N'W	4	c	54	85	7	5	7	-	4·6	10	1500	1	*
19	Birr Castle ...	1012·0	+2	N	1	pr.	53	92	7	6	2	-	4·6	10	1500	1	*
20	Valentia Obsy. †	1015·6	+18	N'W	6	c	58	65	8	8	4	1	4·6	7·8	2500	1	3
	Roches Point	1010·2	+10	N'E	6	rr	54	92	8	6	2	-	7·8	10	800	1	3

PAST 24 HOURS.

Weather. 7h.–13h. 3rd... (37)	13h.–18h. 3rd.. (38)	18h. 3rd to 1h. 4th. (39)	1h.–7h. 4th. (40)
cbcy	bcycy	cyc	c
cbcy	bccy	cybcc	cir. cv
bc	bccy	cbcc	cid.
bc	bcc	cdcd. m.	cd.d.c
bcy	bcyc	c	c
bc	bcy ⊕c	bc	bcc
cbcy	bcbyc	cbcb	bccqv
cbc	bcc	c	c
bcm.bc	bc	bcc	c
bcz.	bcz.	cbc	bccqv
bccbcy	bcycy	cyc	c.
cy	cy	c	cid.c
c	c	c	r.r.d.o
bcy	bcycy	cir.c	ir.od.m.
cbcc	cybc	c	cp.c
bcc	cr.cbc	c	cor.d.
bcc	c	od.	oc
cddmm.	oid.idm	odd mid.	oid.idm.
cmir	mir.	omprc	c
id.m.	id.mdf	oid.q	cbc
cbcc	c	coir.	oir.c
cpr.c	cmgidc	nfrrqm.o	cr.rrqc
cprc	cpr.o	oc	cddm.o
cm.c	cpr.c	bccrr	cd.d.mc
ccz.cy	cy	cycrr	crrddm
c	cm.	c	c
m.TLR	tPRcm.	cm.ir.	om.
cp.ct	coRRtl	oir	co
irm.c	rrffp	amrrl	irm.o
crrrrc	cirrc	cir.ir	tkr.
rrrrrc	rr.m.c	r.m.RRc	RRtlr
d.irc	cprc	d.d.ctl	cm.cr.o
rrc	c	ct.lc	cr.r
cvc	cbc	bc	bcbv
cy	c	cbc	bc
rrc	ciro	*	crr
corr	rrirr	cir	cir
cr.r.	cr.rc	c	c
crr	c	c	c
bc	bc	bc	bc
c	cbc	cbcc	cbcc
crm.r.r	crrirc	c crrc	c
crr	cpr	cpr	cprbc
rrrrc	c	cbc	bcbbc
drRR	crr	rrrcbc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 15, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus
R, heavy rain. r., slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 . . Ground dry.
1 . . „ wet.
2 . . „ flooded.
3 . . „ frozen hard and dry.
4 . . „ partly covered with snow or hail.
5 . . „ covered with ice or glazed frost.
6 . . Ground covered with thawing snow.
7 . . „ covered with snow, less than 6 ins., deep but ground not frozen.
8 . . „ covered with snow, less than 6 ins., but ground frozen.
9 . . „ covered with snow greater than 6 ins. deep.

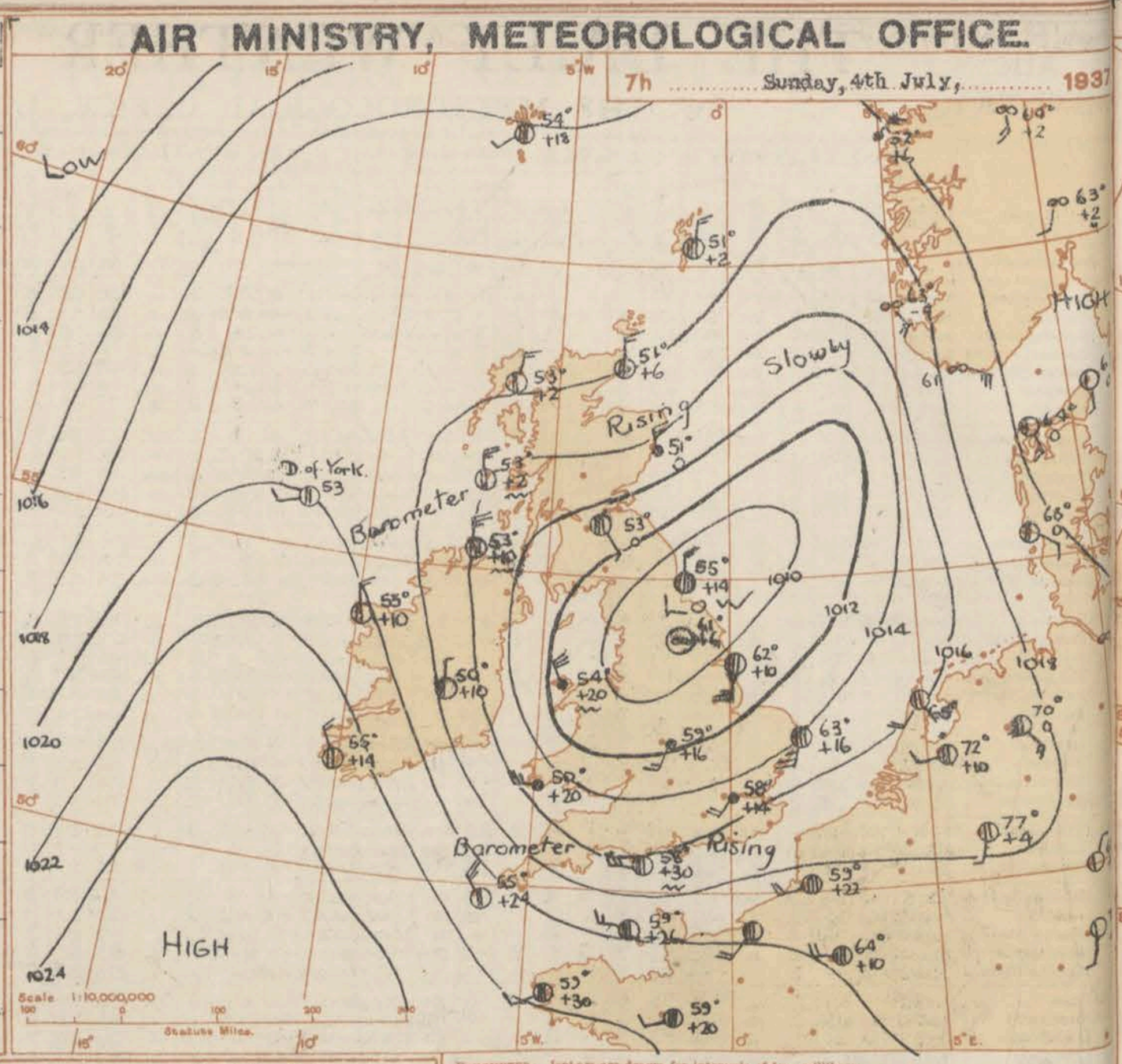
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 3rd July 1937.

Distr. Nos.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 2nd to 9h. 3rd.	Temperature. (°F.) Max. 9h.—17h. 3rd.	Rainfall. (mm.) Night. 17h. 2nd to 9h. 3rd.	Rainfall. (mm.) Day. 9h.—17h. 3rd.	Sunshine. (Hrs) Sunrise to 17h. 3rd.	Sunshine. (Hrs) Sunrise to Sunset. 2nd.
1	Tunbridge W.	bcb	bbc	60	83	-	-	10·3	4·5
	Bournemouth	b	bbc	61	74	-	-	8·8	5·6
	Ventnor ...	b	bc	59	73	-	-	9·2	4·4
	Southsea ...	bcb	bbco	63	77	-	-	9·0	4·3
	Bognor Regis	bc	bc	60	70	-	-	9·2	1·2
	Littlehampton	bc	bc	61	73	-	-	9·5	3·2
	Worthing ...	b	bbc	61	72	-	-	10·2	3·9
	Brighton ...	c	c	59	74	-	-	9·3	3·3
	Eastbourne† ...	bcb	bbcc	60	76	-	-	11·1	4·7
	Hastings† ...	bc	bbc	61	73	-	-	10·8	5·6
	Folkestone ...	b	b	59	81	-	-	11·6	3·8
	Dover ...	bcb	bbc	60	80	-	-	12·2	3·2
	Deal	b	b	60	86	-	-	12·4	6·4
	Ramsgate ...	b	b	61	77	-	-	12·2	5·5
	Margate ...	bc	bc	61	85	-	-	12·4	7·1
2	Southend ...	b	bbc	63	81	-	-	10·2	4·6
	Maldon ...	b	b	60	84	-	-	10·6	4·3
	Clacton-on-Sea	bc	bc	61	70	-	-	11·0	5·8
	Dovercourt ...	bc	bcv	61	74	-	-	11·8	6·8
	Lowestoft ...	b	b	60	72	-	-	11·6	2·6
	Skegness ...	bcb	bbc	61	75	-	-	8·2	2·3
	Mablethorpe...	bbc	bbc	59	71	-	-	7·9	2·4
	Cleethorpes ...	bc	bc	60	78	Trace	-	6·9	1·6
3	Leamington S.	bcc	bc	61	82	-	-	5·3	0·2
4	Cheltenham†	bqbcc	cpoc	62	79	-	Trace	3·8	2·4
5	Bath	bbc	c	60	78	-	-	6·5	4·8
	Weymouth ...	b	cbcb	60	70	-	-	8·7	3·2
	Jersey ...	bc	c	63	77	-	-	8·6	6·7
	Torquay ...	bcc	co	59	68	-	-	3·8	2·3
	Penzance ...	oid.	om	57	62	-	Trace	0·0	0·2
	St. Ives ...	d	d	53	68	Trace	0·5	0·0	4·4
	Bude... ...	c	m	59	67	-	-	0·0	4·1
	Ilfracombe ...	bccbc	co	63	73	-	-	1·6	4·3
6	Aberystwyth	bcc	c	62	72	-	-	0·4	0·6
7	Llandudno ...	c	cpc	62	75	-	0·1	0·7	0·1
	Colwyn Bay...	c	cocbc	58	75	-	r	0·2	1·7
	Rhyl	c	rac	61	76	-	Trace	0·6	0·1
8	Wallasey ...	cbc	cpc	63	75	-	Trace	0·3	0·4
	Southport ...	oc	cpoc	61	75	-	Trace	0·7	0·7
	Blackpool ...	c	cpc	62	75	-	Trace	2·0	0·8
	Morecambe ...	cbbc	c	63	75	-	-	4·5	1·0
9	Ilkley... ...	cbc	bc	61	82	-	-	4·9	1·5
	Harrogate ...	bbc	bcc	60	80	-	-	5·4	0·3
10	Berwick-on-T.	c	omro	60	64	-	3	0·0	2·2
11	Dunbar ...	bc	crr	60	65	-	3	0·0	4·2
12	Troon... ...	rrorororoc		52	57	8	5	0·0	0·0
	Douglas ...	cbirz	czo	55	65	3	0·5	1·0	0·1

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate or fresh westerly winds, decreasing later; cloudy at first, but bright periods later; average temperature.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Moderate west to northwest winds, backing southwest to west later fresh locally at first; fair with bright periods; rather above average temperature.
8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate northwest to north winds, backing to westerly later; local rain early in period, but fair later; below average temperature.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate northeast to north wind, backing to north to northwest later; rain at first, but generally fair towards end of period; below average temperature.
13 { A. W. Scotland. B.N.W.Scotland.	Moderate or fresh north winds at first, becoming moderate west later; fair apart from local showers; average temperature.
14 Mid Scotland	As 11 & 12.
15 N. E. Scotland 16 Orkney and Shetland	Moderate northerly winds, freshening later; cloudy with occasional rain average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate northerly winds at first, fresh locally in northeast, winds becoming light or moderate west to northwest; cloudy in the northeast at first; local showers in western parts, otherwise fair with bright periods; average temperature.

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

GENERAL INFERENCE.

A depression which is filling up and moving northeast is centred over northern England. An anticyclone west of Spain is spreading northeast. Conditions will be unsettled in the North, and mainly cloudy in the South; temperature increasing in the South.

FURTHER OUTLOOK.

Warmer and more settled conditions generally.

Forecasts issued at 1100 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
SUNDAY, 4TH JULY.
1937.

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

Clarke's Projection Scale 1: 4x10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—◯

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ◯ Clear sky. ◐ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✱ Snow. ✱ Sleet. △ Hail. ≡ Fog. ≡ Mist. (Σ) Thunder. Σ Thunderstorm. ∞ Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 4th July, 1937.

No. 27618

OBSERVATIONS at 1 hr. G.M.T. 4th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1012.6	+6	SW'S	4	c	61	86	8	5	-	-	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014.7	+14	SW	4	bc	63	75	8	-	8	9	0	4.6	-
	Manston ...	142	1013.4	+16	SW	[illegible]	bc	63	75	8	-	8	-	0	4.6	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1011.8	- 4	SSE	3	bc	64	92	7	-	-	8	0	2.3	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1011.2	+10	WSW	6	o	55	92	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1014.4	+14	WNW	6	c	55	92	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	1015.7	+18	NW'W	6	o	56	95	8	6	-	-	10	10	1500
	Guernsey ..	175	1015.4	+20	W'N	5	[illegible]	59	86	6	5	-	-	10	10	1500
6	Pembroke ...	142	1008.5	+12	N	6	r	52	97	6	5	-	-	10	10	800
7	Holyhead ...	26	1008.2	-2	N	6	c	55	95	7	5	-	-	10	10	800
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1009.4	-6	SE'S	3	c	61	97	7	5	7	-	4.6	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1011.0	+4	ENE	2	[illegible]	58	97	6	-	2	-	10	10	1500
11	St.Abbs Head	280	1013.7	+4	NNE	2	r	51	97	4	3	-	-	10	10	800
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1008.6	-6	NE	4	c	57	97	7	8	-	-	5	5	800
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1018.4	+6	NW	2	bc	45	92	8	5	-	-	4.6	4.6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1017.4	+10	NNW	1	c	61	92	8	5	4	-	4.6	7.8	1500
16	Lerwick ...	156	1018.1	+10	NNW	2	c	51	92	8	4	3	-	4.6	7.8	1500
17	Blacksod Point	18	1015.0	+4	N	3	bc	51	75	8	3	-	-	4.6	4.6	1500
18	Malin Head ...	84	1015.2	0	N	5	c	53	85	7	4	6	-	4.6	7.8	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1015.9	+10	NNW	3	c	53	92	8	6	-	-	7.8	7.8	450
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 4th July

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1014.3	+16	SSW	4	c	61	85	8	5	-	-	9+	9+	1500	0	*
1015.0	+14	SWS	4	[illegible]	58	85	8	5	-	-	10	10	1500	0	*
1015.0	+18	S'W	4	[illegible]	57	85	7	5	-	-	10	10	800	0	*
1014.6	+24	SW	4	c	56	85	8	5	-	-	10	10	1500	0	*
1015.7	+22	SW	4	c	58	85	8	5	-	-	10	10	800	0	2
1017.4	+18	SW'W	4	o	57	85	8	5	-	-	10	10	1500	0	§5
1016.2	+18	SW'S	5	[illegible]	58	75	8	5	-	-	9+	9+	1500	0	*
1015.3	+18	SW	4	c	62	75	8	8	5	-	7-8	9	2500	0	*
1015.0	+16	SSW	4	c	61	85	8	5	3	-	9	9+	1500	0	4
1014.2	+16	S'W	5	c	63	85	7	8	4	-	4.6	7.8	2500	0	2
1013.3	+20	SW'S	4	oc	61	85	7	5	-	-	9+	9+	2500	0	*
1011.7	+20	S'E	3	[illegible]	60	92	8	5	-	-	10	10	2500	0	*
1011.9	+16	SSW	3	[illegible]	59	97	5	5	-	-	10	10	450	1	*
1013.2	+20	SSW	3	[illegible]	57	97	6	-	2	-	10	10	450	1	*
1012.2	+21	W'N	3	c	60	85	8	5	-	-	10	10	2500	0	*
1013.8	+38	WSW	5	[illegible]	55	92	7	5	-	-	10	10	800	0	*
1016.4	+30	W	5	c	58	92	7	4	-	-	9	9	2500	1	5
1017.7	+28	W'N	4	[illegible]	54	97	6	6	-	-	9+	9+	800	1	3
1015.1	+22	NW	5	c	55	75	8	8	-	-	7-8	7-8	2500	1	2
1020.0	+24	NW'W	5	bc	55	65	8	4	-	-	2-3	2-3	2500	0	3
1019.6	+26	W'N	3	c	59	85	7	8	-	-	9+	9+	2500	1	3
1014.5	+20	W	5	[illegible]	50	97	6	5	-	-	10	10	1500	1	3
1011.2	+20	NW'N	6	[illegible]	54	97	5	5	-	-	10	10	220	1	4
1009.9	+10	NW	3	[illegible]	57	92	6	5	-	-	9	9	1500	1	*
1010.2	+20	W	3	[illegible]	58	97	4	6	2	-	9	10	220	1	*
1012.5	-12	NNE	6	[illegible]	50	97	6	5	-	-	10	10	800	1	4
1014.1	0	NNE	2	[illegible]	52	85	8	5	-	-	10	10	1500	1	*
1013.3	0	SE	1	c	53	97	8	5	-	-	10	10	1500	1	*
1011.8	+8	NE	5	[illegible]	50	92	6	6	-	-	10	10	800	1	*
1010.7	+20	N	3	[illegible]	55	97	7	8	-	-	9	9	800	1	2
1016.3	+2	N	5	b	53	85	8	1	3	-	Tr	1	4000	0	4
1018.8	+2	NNE	3	bc	53	75	8	5	7	-	4.6	4.6	4000	1	1
1016.1	+6	N	3	c	48	92	7	4	2	-	4.6	10	2500	1	*
1016.0	0	N'W	3	[illegible]	51	92	7	6	2	-	4.6	10	1500	1	2
1018.2	+6	N	3	c	51	92	8	5	7	-	7-8	9+	1500	1	1
1019.3	+2	NNE	3	c	51	92	8	5	7	-	4-6	7-8	1500	1	*
1020.4	+10	N	3	bc	55	75	8	3	-	-	4.6	4.6	1500	0	2
1016.5	+10	N'W	5	c	53	85	7	5	5	-	4.6	9	2500	0	4
1014.7	+18	NNW	4	c	53	85	8	5	-	-	10	10	1500	1	*
1017.5	+10	N	1	bc	50	85	8	5	-	-	2-3	2-3	2500	1	*
1022.4	+14	NNW	3	bc	55	75	8	7	4	1	1	2-3	2500	1	3
1020.3	+16	NW	4	bc	51	85	8	-	4	-	0	1-3	-	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 3rd Hrs. (36)
1	London (Kew)	82	60	58	-	-	5.8
	Croydon ...	82	58	57	-	Tr	10.5
	S. Farnborough	80	56	56	-	Tr	10.2
	Boscombe Down	78	55	54	-	0.1	8.1
	Calshot (Sthmtn.)	77	58	57	-	-	5.2
	Lympne ...	73	56	56	-	-	12.1
	Manston ...	84	58	58	-	-	12.3
2	Shoeburyness...	81	58	56	-	-	11.1
	Felixstowe ...	73	60	60	-	-	13.2
	Gorleston ...	68	61	58	-	-	14.1
	Mildenhall ...	84	52	58	-	-	10.2
	Cranwell ...	84	60	59	-	Tr	8.4
3	Birmingham ...	79	59	58	-	1	3.1
	Upper Heyford	82	56	*	-	Tr	*
4	Ross-on-Wye	80	59	59	-	Tr	5.4
5	Bristol ...	76	54	54	Tr	0.1	6.2
	Portland Bill ...	66	57	*	-	Tr	*
	Plymouth ...	65	53	53	0.4	0.4	0.5
	The Lizard ...	61	53	*	0.3	0.4	*
	Scilly (St. Mary's)	63	54	*	0.4	Tr	0.3
	Guernsey ..	76	56	55	-	0.1	8.6
6	Pembroke ...	64	49	*	Tr	12	0.0
7	Holyhead ...	66	54	51	1	2	0.2
	Chester(Sealand)	77	56	56	Tr	3	1.2
8	Manchester ...	80	57	53	-	1	0.9
10	Spurn Head ...	68	60	*	-	-	6.4
	Catterick ...	75	59	58	3	0.4	2.5
	Tynemouth ...	61	54	53	21	24	*
11	St.Abbs Head	65	49	*	3	3	*
	Leuchars ...	64	50	49	2	8	0.1
12	Renfrew (Abbotsl.)	60	52	52	6	15	0.0
	Eskdalemuir ...	67	49	49	0.6	0.1	0.1
	Point of Ayre...	63	55	*	4	0.2	0.3
13A	Tiree	59	51	49	-	-	8.4
13B	Stornoway ...	62	42	*	-	-	8.3
15	Dalwhinnie ...	53	46	47	6	4	0.0
	Aberdeen ...	61	49	48	4	12	0.0
	Wick ...	52	50	*	4	-	*
16	Lerwick ...	56	49	*	4	-	1.8
17	Blacksod Point	58	46	*	-	-	*
18	Malin Head ...	56	50	*	-	-	0.9
	Aldergrove ...	55	50	49	11	3	0.0
19	Birr Castle ...	58	44	42	9	3	0.0
20	Valentia Obsy. †	59	51	45	3	-	4.5
	Roches Point	57	48	*	25	2	*

LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h. Kensington.
9h—21h. other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cbcy	bcycy	cyc	§2	60	58	-	-	5.8	*	*	8
Croydon	217	cbcy	bccy‖	cybc,c	§2	58	57	-	Tr	10.5	*	*	§‖
Greenwich (Royal Observatory)...	149	by	bye	c	§7	56	57	-	-	5.7	40	76	8
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	10.2	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	§3	59	59	—		10.3	43	77	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*						10.3	*	*	*
Camden Square	110	b	bcc	*	87	59	59	-	-	*	At 18h.	75	*
Kensington	80	bc	co	*	§4	59	56	-	-	5.6	43	79	*
Hampstead Observatory	450	bc	bc	od	§2	55	50	-	Tr	10.2	*	§5	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

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

Kew Observatory. Max.	Time.	Min.	Time.
10.1	whole	period.	

FOREIGN OBSERVATIONS.

18h G.M.T. 3rd July — 7h G.M.T. 4th July

Stations.	18h Barom. mb.	18h Wind. Direc.	18h Wind. Force.	18h Weather.	18h Temp. °F.	7h Barom. mb.	7h Wind. Direc.	7h Wind. Force.	7h Weather.	7h Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	1014.1	SSW	2	bc	§8	1020.5	W	4	c	64	90	63	-	-
Brussels	1014.7	SSW	3	bc	§2									
Berlin						1021.1	SE	1	b	73		63		-
Zurich	1017.9	N	1	b	77	1020.4	E	1	b	64	86	59	-	-
Rome	1017.3	W	2	b	75						*	*	-	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —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	2¼ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

§ hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‖ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 5th July. 1937.
No. 27619

OBSERVATIONS at 13h. G.M.T. 4th July

Distrct.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1018·2	+18	SW	4	c	63	65	8	5	–	–	10	10	2500
	Croydon ...	1018·3	+16	SW'W	4	c	61	65	8	5	–	–	10	10	2500
	S. Farnborough	1018·5	+14	WSW	4	id$_o$	60	75	8	5	–	–	10	10	2500
	Boscombe Down	1019·0	+18	W'S	4	c	58	75	8	5	–	–	10	10	1500
	Calshot (Sthmtn.)	1019·2	+14	SW	4	c	61	75	8	8	7	–	7-8	10	1500
	Lympne ...	1019·6	+10	SW	5	c	60	75	8	5	3	–	9	9+	1500
	Manston ...	1018·8	+10	S6W	4	c	64	65	7	5	–	–	9+	9+	1500
2	Shoeburyness ...	1018·0	+14	SW'S	4	c	64	75	8	8	–	–	9+	9+	2500
	Felixstowe ...	1017·3	+10	SW	4	c	67	65	8	5	–	–	9+	9+	1500
	Gorleston ...	1015·8	+8	S'W	4	c	66	75	6	8	–	–	9	9	2500
	Mildenhall ...	1016·0	+10	SW	3	c	65	75	8	5	–	–	10	10	1500
	Cranwell ...	1013·8	+12	S	4	c	68	75	9	5	–	–	9	9	1500
3	Birmingham ...	1016·1	+24	WSW	4	c	60	75	8	5	–	–	10	10	2500
4	Upper Heyford	1017·4	+20	WSW	4	q	59	75	7	5	2	–	9+	10	1500
	Ross-on-Wye	1017·3	+20	W'S	4	c	59	75	8	5	–	–	10	10	2500
5	Bristol ...	1018·9	+18	WSW	4	c	55	85	8	5	–	–	10	10	1500
	Portland Bill ...	1020·1	+20	W	5	c	58	85	8	4	–	–	10	10	2500
	Plymouth ...	1021·2	+14	W'N	4	c	58	75	8	5	2	2	7-8	9	2500
	The Lizard ...	1022·6	+16	WNW	4	bc	58	65	8	2	6	–	4-6	4-6	2500
	Scilly (St.Mary's)	1023·1	+10	NW	4	bc	62	65	8	7	–	–	4-6	4-6	2500
	Guernsey ...	1022·5	+14	W	4	bc	63	65	9	1	–	–	2-3	2-3	2500
6	Pembroke ...	1019·1	+20	NW	4	q	54	85	7	5	2	–	4-6	9	1500
7	Holyhead ...	1016·2	+22	NW	5	c	55	85	8	5	2	–	10	10	1500
	Chester(Sealand)	1015·0	+28	W'S	5	c	57	85	8	5	–	–	10	10	1500
8	Manchester ...	1014·4	+26	W	3	c/d	57	85	6	5	–	–	10	10	800
10	Spurn Head ...	1013·0	+12	SSW	4	c	69	65	7	7	6	–	4-6	7-8	1500
	Catterick ...	1012·6	+14	N	1	2_o	59	92	6	5	–	–	10	10	800
	Tynemouth ...	1011·8	+16	N	3	c	54	97	6	–	2	–	10	10	1500
11	St. Abbs Head	1012·2	+16	NNE	7	q	50	97	6	5	–	–	10	10	800
12	Leuchars ...	1013·7	-2	N	1	rr	53	92	5	5	–	–	10	10	800
	Renfrew (Abbotsl.)	1014·4	+2	W'S	1	rr	56	92	5	6	2	–	7-8	10	800
	Eskdalemuir ...	1014·0	+10	NE	3	c	51	85	8	5	2	–	10	10	1500
	Point of Ayre...	1014·5	+18	N'W	4	ir$_o$	55	97	7	8	2	–	9	10	800
13A	Tiree	1016·6	0	N	4	b	58	75	9	–	4	8	0	1	–
13B	Stornoway ...	1017·9	-4	NE	5	bc	56	75	8	7	5	5	4-6	4-6	2500
15	Dalwhinnie ...	1016·8	0	N	5	c	51	75	7	5	2	–	7-8	10	2500
	Aberdeen ...	1014·9	-6	N'W	4	ir$_o$	52	92	6	6	–	–	10	10	800
	Wick ...	1017·5	0	NNE	4	c	52	92	8	8	2	–	7-8	10	1500
16	Lerwick ...	1017·7	-8	NNE	5	c	53	92	8	8	7	–	4-6	7-8	800
17	Blacksod Point	1020·6	-4	W	3	bc	56	65	8	2	3	–	2-3	4-3	2500
18	Malin Head ...	1017·8	+4	N'W	4	bc	57	85	8	7	–	–	4-6	4-6	2500
	Aldergrove ...	1017·1	+14	NW	4	c	56	75	8	5	4	–	7-8	9	1500
19	Birr Castle ...	1019·6	+4	NW	1	c	59	65	8	4	–	–	7-8	7-8	4000
20	Valentia Obsy. †	1022·7	-4	W'N	3	c	58	65	8	7	7	6	2-3	9	2500
	Roches Point	1021·3	+2	NW	4	bc	61	65	9	1	–	5	2-3	4-6	4000

OBSERVATIONS at 18h. G.M.T. 4th July

Distrct.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1020·0	+10	WSW	3	c	58	75	8	5	–	–	10	10	1500	0	*
	Croydon ...	1020·0	+8	W	4	c	60	75	8	5	–	–	10	10	2500	0	*
	S. Farnborough	1020·6	+16	W'S	3	d$_o$d$_o$	56	85	7	6	–	–	10	10	2500	0	*
	Boscombe Down	1020·9	+12	W	4	c	55	85	8	5	–	–	10	10	1500	0	*
	Calshot (Sthmtn.)	1021·0	+10	W	3	c	59	75	8	8	7	–	4-6	10	2500	0	2
	Lympne ...	1020·9	+6	SW'W	3	c	59	75	8	5	–	–	9	9	2500	0	§4
	Manston ...	1019·8	+6	SW	3	c	61	75	7	5	–	–	9+	9+	2500	0	*
2	Shoeburyness ...	1019·4	+8	SW	3	c	62	85	8	5	2	–	9	10	1500	0	*
	Felixstowe ...	1019·1	+10	SW'S	3	c	63	65	8	5	7	–	7-8	9+	1500	0	3
	Gorleston ...	1017·8	+10	S'W	4	c	65	75	7	5	–	–	10	10	2500	0	3
	Mildenhall ...	1018·0	+6	SW	4	c	61	85	8	5	–	–	10	10	1500	0	*
	Cranwell ...	1017·7	+18	W'S	4	o	61	65	9	5	–	–	10	10	2500	0	*
3	Birmingham ...	1018·8	+14	W	3	c	57	85	8	5	–	–	10	10	2500	0	*
4	Upper Heyford	1019·8	+14	W	3	c	57	85	9	5	7	–	7-8	10	2500	1	*
	Ross-on-Wye	1018·7	+10	W	4	c	57	75	8	5	7	–	7-8	9+	2500	0	*
5	Bristol ...	1021·0	+14	W	3	c	56	92	7	5	–	–	9+	9+	1500	0	*
	Portland Bill ...	1020·8	+6	WNW	4	c	58	97	8	4	4	9	4-6	7-8	2500	1	4
	Plymouth ...	1022·6	+8	WNW	4	bc	60	65	8	7	–	–	4-6	4-6	4000	0	2
	The Lizard ...	1023·8	+8	W'N	3	bc	59	75	8	2	4	–	4-6	4-6	2500	0	2
	Scilly (St.Mary's)	1023·8	+4	WNW	3	bc	60	65	8	7	3	1	2-3	4-6	2500	0	2
	Guernsey ...	1023·4	+4	WNW	3	bc	60	65	8	1	–	–	4-6	4-6	2500	0	3
6	Pembroke ...	1019·9	+4	W	5	q	57	75	8	7	4	–	Tr	1	5700	1	3
7	Holyhead ...	1018·4	+6	WSW	3	bc	59	75	9	7	–	2	Tr	4-6	2500	1	2
	Chester(Sealand)	1017·6	+10	W'S	3/4	c	56	85	6	5	2	–	7-8	10	1500	0	*
8	Manchester ...	1017·0	+18	W	4	id$_o$	56	92	6	5	–	–	10	10	450	1	*
10	Spurn Head ...	1015·3	+10	W	4	c	63	85	6	5	2	–	7-8	10	1500	0	3
	Catterick ...	1014·9	+18	N'W	1	id$_o$	57	85	7	5	–	–	10	10	800	1	*
	Tynemouth ...	1014·7	+16	N	2	o	55	85	7	–	2	–	10	10	1500	1	1
11	St. Abbs Head	1013·6	+2	WNW	3	c/r	52	97	6	6	2	–	4-6	10	800	1	2
12	Leuchars ...	1013·6	0	WSW	1	r$_o$6	56	97	7	5	–	–	10	10	800	1	*
	Renfrew (Abbotsl.)	1014·3	+2	SW'W	3	c	60	75	8	5	–	–	9	9	2500	1	*
	Eskdalemuir ...	1014·9	+2	WSW	2	rr	53	92	6	6	–	–	10	10	220	1	*
	Point of Ayre...	1017·3	+14	NNW	4	c	56	85	7	5	7	–	2-3	9	800	1	3
13A	Tiree	1016·1	0	NW	4	bc	56	75	8	5	4	2	Tr	4-6	4000	0	3
13B	Stornoway ...	1016·5	-14	NE	4	c	53	85	8	5	7	–	7-8	10	2500	1	2
15	Dalwhinnie ...	*	-8	E	3	c	51	85	7	4	2	–	4-6	10	2500	0	*
	Aberdeen ...	1013·4	-6	NW	4	ir$_o$	51	97	6	6	–	–	10	10	800	1	2
	Wick ...	1015·3	-8	ENE	3	c	53	85	8	5	2	–	7-8	10	1500	1	2
16	Lerwick ...	1015·5	-10	NNE	6	c	51	92	8	5	2	–	7-8	9+	800	0	*
17	Blacksod Point	1018·4	-14	S	3	c	56	75	8	9	–	–	9	9	1500	0	3
18	Malin Head ...	1018·2	0	WNW	3	jp	54	85	8	8	8	–	4-6	7-8	2500	0	3
	Aldergrove ...	1017·9	+10	W'N	4	bc	60	55	8	7	7	8	2-3	4-6	2500	1	*
19	Birr Castle ...	1019·5	+4	NW	2	c	61	65	8	5	7	–	4-6	7-8	4000	1	*
20	Valentia Obsy. †	1021·0	-12	SW:S	4	c	58	75	8	2	7	9	1	9+	2500	1	2
	Roches Point	1021·4	+2	WNW	4	bc	60	75	9	2	4	5	2-3	4-6	2500	1	3

PAST 24 HOURS.

Weather. 7h.—13h. 4th (37)	Weather. 13h.—18h. 4th (38)	Weather. 18h.—1h. 5th (39)	Weather. 1h.—7h. 5th (40)
c	c	c	c
cir$_o$c	c	c	cbc
cid$_o$c	cd$_o$d$_o$	cd$_o$cbc	bccbc
c	c	cbc	bc
c	c	c	cbcc
cc	c	cdbco	oc
cqc	c$_o$	c	c
c	c	cbc	cbcc
c	c	c	c
cqc	cq$_o$	c	cbc
c	c	c	bcmbw
c	c	c	bwbc
oc	c	cbc	bcc
id$_o$d$_o$dcq	cq$_o$c	cbc	bmwc
c	p$_o$c	cc bb	bwbcc
occd$_o$	cr$_o$c	cbc	bcwc
c	c	c	c
oid$_o$m$_o$c	cbc	b	bcc
cbc	bc	bcw	bcc
bc	bc	bc	bcc
cr$_o$bc	bc	bcbw	bwbcc
cq p r id$_o$	bc bq	bc	cqc
od$_o$d$_o$m$_o$c	c$_o$bc	bc$_o$b	bcc
c	c	cbcbw	bbcwcm$_o$
cddid$_o$	d$_o$d$_o$id$_o$	cid$_o$m$_o$	cbcm$_o$
c	c	co	oc
om$_o$om	om$_o$cd$_o$	oid$_o$m$_o$	cbcc
offid$_o$	o	old$_o$	cbc
ifirq	rrffc	oirc	c
oirc rr	rrmrr	c	or$_o$c
Rr Rrr	cm$_o$rrc	cbc	bccm$_o$r$_o$
RRrc	od$_o$d$_o$rr	rrir$_o$c	c
cir$_o$	ir$_o$dc	cbc	bcir$_o$
b	bbc	bcc	crr
bc	bcc	c	cpr$_o$
c	c orsd$_o$ omid	*	c
cir$_o$	cpr$_o$c	cir$_o$c	ccm$_o$
c	c	c	c
c	c	Ffa.	ffe
Rrq	bc	bc	Rrq
bc	c	c	crrc
c	cbcbcy	c	cor$_o$r$_o$rr
bcf	c	c	crr
c	c	cir$_o$r$_o$	r$_o$r$_o$rr$_o$r$_o$
bcv	bc	bcc	codd

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
za, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ◑ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 . . Ground dry.
1 . . ,, wet.
2 . . ,, flooded.
3 . . ,, frozen hard and dry.
4 . . ,, partly covered with snow or hail.
5 . . ,, covered with ice or glazed frost.
6 . . Ground covered with thawing snow.
7 . . ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 . . ,, covered with snow, less than 6 ins., but ground frozen.
9 . . ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

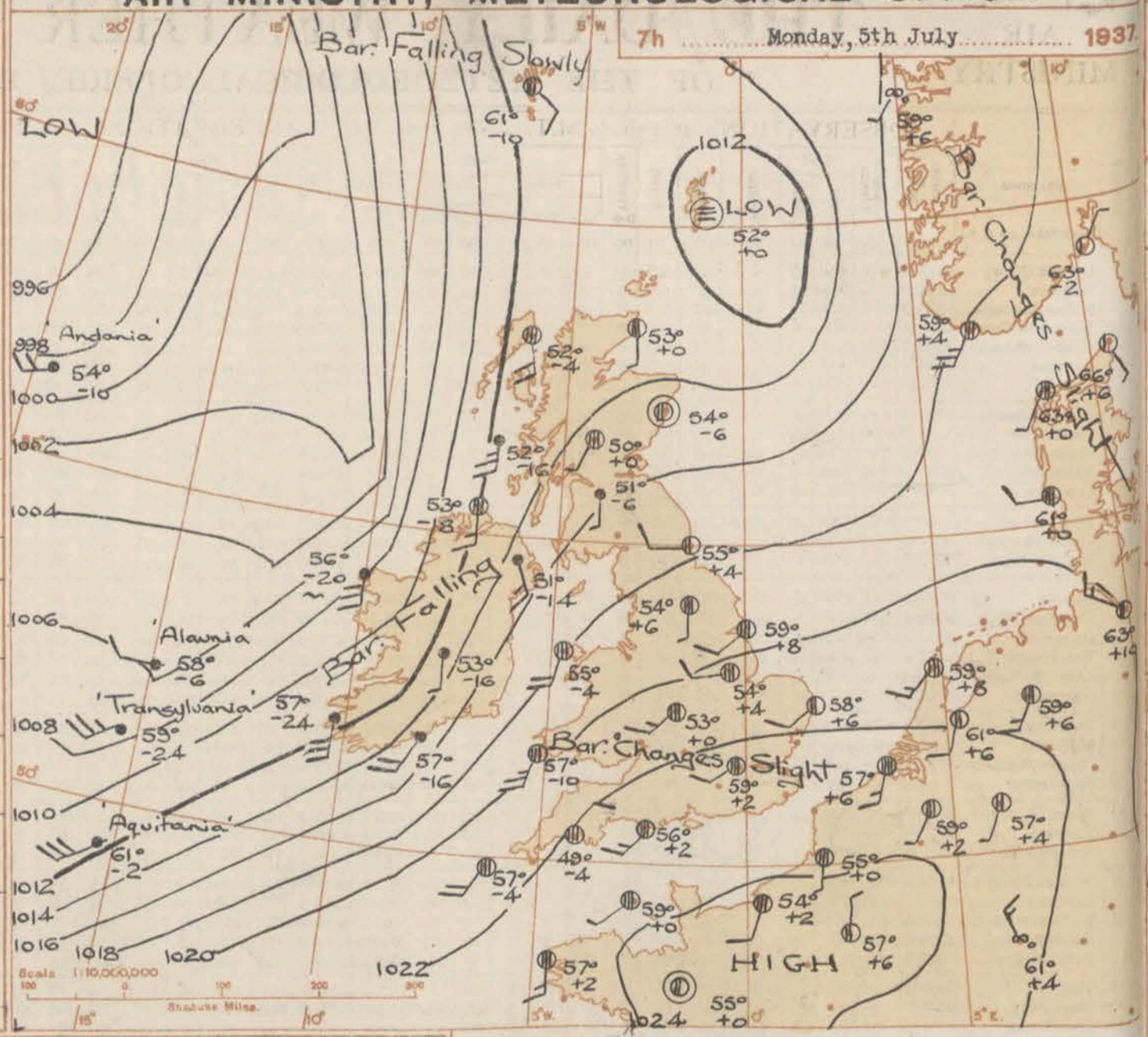
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Monday, 5th July ..... 1937.

REPORTS from HEALTH RESORTS for 4th July 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 3rd to 9h. 4th	Temperature (°F.) Max. 9h.—17h. 4th	Rainfall (mm.) Night. 17h. 3rd to 9h. 4th	Rainfall (mm.) Day. 9h.—17h. 4th	Sunshine (Hrs.) Sunrise to 17h. 4th	Sunshine (Hrs.) Sunrise to Sunset. 3rd.
1	Tunbridge W.	o	oco	57	64	–	–	0·3	10·4
	Bournemouth	c	c	56	63	–	–	0·3	9·1
	Ventnor ...	ou	ou	57	61	–	–	0·0	9·8
	Southsea ...	o	o	58	65	–	–	0·0	9·1
	Bognor Regis	oid.	obcc	59	62	Trace	Trace	0·5	9·3
	Littlehampton	c	c	58	61	–	–	0·2	9·6
	Worthing ...	c	c	59	63	–	–	0·1	10·7
	Brighton ...	c	cbc	58	61	Trace	–	0·2	9·5
	Eastbourne† ...	oc	cbc	58	70	–	–	4·7	11·3
	Hastings† ...	ococ	cbcc	59	70	–	–	0·4	10·8
	Folkestone ...	oc	coc	58	64	Trace	–	0·4	12·3
	Dover ...	c	cbcc	59	65	–	–	0·8	13·1
	Deal	ococ	co	58	65	–	–	0·7	13·2
	Ramsgate ...	cbc	bcc	59	68	–	–	2·2	13·1
	Margate ...	cbc	bcc	58	67	–	–	5·7	13·4
2	Southend ...	co	oc	59	67	–	–	1·0	10·6
	Maldon ...	o	oc	59	65	–	–	0·1	10·8
	Clacton-on-Sea	c	c	59	65	–	–	0·4	12·2
	Dovercourt ...	oc	bcoc	60	66	–	–	2·0	13·3
	Lowestoft ...	bbcc	cbcc	60	70	–	–	4·0	13·2
	Skegness ...	o	oco	61	65	–	–	0·2	8·3
	Mablethorpe...	co	bcco	62	69	–	–	1·9	8·0
	Cleethorpes ...	cbcc	bcc	62	71	–	–	3·1	6·9
3	Leamington S.	o	o	59	63	–	–	0·0	6·3
4	Cheltenham†	o	ocpc	57	66	0·3	Trace	0·1	3·9
5	Bath	c	cr.	56	59	Trace	Trace	0·0	7·2
	Weymouth ...	c	c	57	62	Trace	–	0·5	9·8
	Jersey ...	cbc	bc	58	62	0·2	–	7·7	8·7
	Torquay ...	cqcbc	bcyv	54	64	Trace	–	4·5	3·8
	Penzance ...	bcb	b	54	63	1	–	11·0	0·0
	St. Ives ...	pr	b	54	67	1	–	8·5	0·0
	Bude... ...	o	cbc	52	61	3	–	1·6	0·0
	Ilfracombe ...	crro	oro	54	57	7	3	0·0	1·6
6	Aberystwyth	cpr.	pr.c	53	60	0·5	1	0·0	0·4
7	Llandudno ...	drr	roc	54	58	1	3	0·0	1·4
	Colwyn Bay...	dd	doc	54	57	0·3	4	0·0	1·3
	Rhyl	od.d	od.c	55	62	0·5	1	0·2	1·2
8	Wallasey ...	cid	ido	55	56	2	Trace	0·0	1·3
	Southport ...	o	od.o	56	58	5	Trace	0·0	1·1
	Blackpool ...	o	ocpo	57	59	10	Trace	0·1	2·8
	Morecambe ...	idcbc	cbbcc	58	62	2	–	1·3	4·8
9	Ilkley... ...	c	c	59	68	0·4	–	0·5	4·9
	Harrogate ...	cbc	c	53	68	Trace	–	1·9	5·4
10	Berwick-on-T.	o	Ddc	51	52	5	7	0·0	0·0
11	Dunbar ...	or.	omrr	49	54	11	11	0·0	0·0
12	Troon... ...	chR	rococ	53	59	34	5	0·0	0·0
	Douglas ...	cbiR	cbid.	53	54	2	0·3	0·5	1·2

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light to moderate west to southwest winds; cloudy; slight rain locally; temperature rather below average today, rising tomorrow.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate to fresh south to southwest winds; cloudy periods; occasional rain; average temperature.
7 North Wales ... 8 N.W. England	Moderate to strong south to southwest winds, veering and moderating; cloudy with occasional rain; showers and bright intervals later; average temperature.
9 N. Midlands ...	As 4 - 6.
10 N.E. England 11 S.E. Scotland	Light to moderate westerly winds, freshening from south; cloudy; rain at times; average temperature.
12 S.W. Scotland & Isle of Man. 13 { A. W. Scotland B. N.W. Scotland.	Moderate to strong southerly winds, stronger at times locally at first, veering west and moderating; rainy at first, bright periods later; average temperature.
14 Mid Scotland 15 N. E. Scotland	As 10 - 11.
16 Orkney and Shetland	Light variable winds, freshening from south; occasional rain; local fog; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 12 - 13B.

GENERAL INFERENCE.

A trough of low pressure, associated with an almost stationary depression to the South of Iceland will move northeastwards across the British Isles. A belt of rain over Ireland will move eastwards across Great Britain reaching Eastern Scotland and Northeast England late today. This rain belt will be followed by showers and bright periods. In the extreme South England rainfall amounts will probably be slight.

FURTHER OUTLOOK.

Rain at times with average temperature in the North and West; probably mainly fair and rather warm in the Southeast.

TIME OF ISSUE OF GALE WARNING.

South Cone hoisted at 0815 on 5th in districts 13A, 13B, and 18 (part of).

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of

MONDAY,
5TH JULY.

1937.

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

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 5th July, 1937.

No. 27619

OBSERVATIONS at 1 hr. G.M.T. 5th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1022·0	+2	WSW	3	c	56	85	7	5	-	-	10	10	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1022·2	-2	WSW	1	0	54	92	7	5	-	-	10	10	2500
	Manston ...	142	1021·7	+2	SW	2	c	54	92	7	5	-	-	9+	9+	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1023·0	+6	SW's	2	c	60	85	7	5	-	-	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1022·7	+4	NW	3	c	56	85	8	4	-	-	7·8	7·8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1023·5	-4	SW'W	2	bc	52	92	8	2	-	-	2·3	2·3	2500
	Scilly (St.Mary's)	163	1023·5	-8	SW	3	bc	53	85	8	5	7	3	2·3	4·6	2500
	Guernsey ..	175	1024·1	-4	-	0	b	51	92	9	-	-	-	0	0	-
6	Pembroke ...	142	1021·5	*	W's	3	bc	55	85	6	5	1	-	4·6	4·6	2500
7	Holyhead ...	26	1019·1	-2	SW'W	2	bc	53	92	8	-	-	5	0	4·6	-
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018·9	+10	W's	3	0	58	92	7	5	-	-	10	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1016·6	+2	WSW	2	c/d	55	92	7	-	2	-	10	10	800
11	St.Abbs Head	280	1014·4	0	WNW	3	c/r	56	75	7	4	c	c	4·6	9	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1018·6	+10	SW'W	2	bc	45	97	6	4	4	-	1	2·3	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1014·3	-10	WSW	4	c	49	97	8	7	7	-	7·8	7·8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1018·6	-8	NW	2	c	51	97	7	5	2	-	9	10	1500
16	Lerwick ...	156	1012·3	-10	NE	3	dF	51	97	1	-	-	-	10	10	<150
17	Blacksod Point	18	1012·8	-20	S	6	RR	56	92	6	6	-	-	10	10	450
18	Malin Head ...	84	1014·8	-30	S'W	4	c	53	85	7	8	2	-	7·8	9	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1016·3	-14	S'W	3	r.r.	55	97	7	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 5th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1022·7	+4	WSW	1	c	57	85	7	5	-	-	9	9	2500	0	*
	Croydon ...	1022·5	+2	WSW	2	c	59	75	8	5	5	5	7-8	9+	7200	0	*
	S. Farnborough	1022·6	+4	W'S	2	c	57	75	8	1	9	2	Tr	9	1500	0	*
	Boscombe Down	1022·6	-2	WSW	2	c	55	85	7	-	7	9	0	7-8	-	0	*
	Calshot (Sthmtn.)	1022·5	+8	SW'W	2	c	58	75	8	8	3	6	2·3	9	4000	0	1
	Lympne ...	1023·1	+6	SSW	1	c	56	85	7	5	-	-	9+	9+	4000	0	ss
	Manston ...	1022·2	+4	SW'W	1	c	57	85	7	5	-	-	10	10	2500	0	*
2	Shoeburyness ...	1022·1	+6	SW	2	c	61	85	6	2	-	6	Tr	7-8	5700	0	*
	Felixstowe ...	1021·8	+4	W	1	c	59	75	8	5	-	-	9+	9+	4000	0	0
	Gorleston ...	1021·2	+6	WSW	2	bc	58	78	6	-	4	-	0	4·6	-	0	2
	Mildenhall ...	1021·3	+4	SSW	2	c	57	85	8	-	-	3	0	7-8	-	0	*
	Cranwell ...	1020·8	+4	W'S	2	bc	54	85	7	-	5	5	0	7-8	-	0	*
3	Birmingham ...	1021·4	0	WSW	3	c	53	85	8	-	7	-	0	9	-	0	*
	Upper Heyford	1022·0	-2	WSW	2	c	54	85	7	-	9	9	0	9	-	0	*
4	Ross-on-Wye	1021·1	0	SSW	2	c	53	85	7	-	7	-	0	10	-	0	*
5	Bristol ...	1022·3	+2	SW	1	c	53	92	7	5	3	-	4·6	9+	2500	0	*
	Portland Bill ...	1022·3	+2	WSW	3	c	56	85	8	4	-	-	10	10	2500	0	3
	Plymouth ...	1022·6	-4	NE'E	2	c	45	97	8	5	2	-	2·3	10	1500	0	1
	The Lizard ...	1021·8	-10	SSW	3	c	56	85	8	5	2	-	9	10	2500	0	2
	Scilly (St.Mary's)	1021·6	-4	SW'S	4	c	57	85	8	2	7	-	4·6	10	2500	0	2
	Guernsey ..	1023·8	0	WSW	1	c	60	65	9	6	3	-	4·6	7-8	2500	0	1
6	Pembroke ...	1019·0	-10	SSW	5	c	57	85	8	5	2	-	9	10	2500	0	3
7	Holyhead ...	1018·0	-4	SSW	4	c	55	85	8	5	7	-	4·6	10	2500	1	2
	Chester(Sealand)	1019·7	+2	SSE	1	Zo	54	85	6	5	3	-	9	9+	7200	0	*
8	Manchester ...	1019·8	0	SE	1	Zo	54	85	5	5	3	-	4·6	9+	2500	1	*
10	Spurn Head ...	1019·6	+8	WSW	2	c	59	85	7	4	6	-	4·6	7-8	4000	0	1
	Catterick ...	1018·8	+6	S	1	c	54	75	8	-	7	-	0	9	-	1	*
	Tynemouth ...	1017·2	+4	W	2	bc	55	65	6	2	-	1	4·6	4·6	1500	1	1
11	St.Abbs Head	1015·5	+10	SW	3	c	52	75	8	4	4	-	4·6	9	2500	1	2
	Leuchars ...	1015·3	+4	WSW	3	c	53	85	8	5	7	-	4·6	9+	2500	1	*
12	Renfrew (Abbots I.)	1016·0	-6	S	1	r.r.	51	85	6	5	2	-	4·6	10	4000	1	*
	Eskdalemuir ...	1017·3	-2	SSW	3	c	49	85	7	5	-	-	10	10	1500	1	*
	Point of Ayre...	1017·2	-8	S'W	3	lr	53	97	8	-	2	-	0	10	-	1	2
13A	Tiree	1012·2	-16	S	5	rr	52	97	6	6	2	-	9	10	450	1	3
13B	Stornoway ...	1012·6	-4	SSE	4	c/pr	52	85	8	5	7	-	4·6	9+	2500	1	2
15	Dalwhinnie ...	1015·0	0	SW	1	c	50	75	8	4	1	-	2·3	10	4000	0	*
	Aberdeen ...	1014·4	-6	-	0	bc	54	92	6	5	3	1	2·3	4·6	1500	1	1
	Wick ...	1013·2	0	S	1	c	53	92	8	5	1	-	7-8	9	2500	1	1
16	Lerwick ...	1011·4	0	-	0	f	52	97	2	-	-	-	10	10	<150	1	*
17	Blacksod Point	1008·0	-22	S	7	RR	57	92	7	6	-	-	10	10	450	2	4
18	Malin Head ...	1011·3	-18	S	3	c/pr	53	97	7	9	2	-	7-8	9	1500	1	2
	Aldergrove ...	1015·2	-14	SE'S	3	r.r.	51	92	6	5	2	-	1	10	800	1	*
19	Birr Castle ...	1012·7	-16	S	1	rr	53	97	7	5	-	-	10	10	2500	1	*
20	Valentia Obsy. †	1011·4	-24	S	6	r.r.	57	97	6	6	-	-	10	10	800	1	3
	Roches Point	1016·6	-16	SW	4	dd	57	97	5	5	-	-	10	10	450	1	3

PAST 24 HOURS.

District	Stations	Temper.-ture. Max. Day 7h–18h °F. (31)	Temper.-ture. Min. Night 18h–7h °F. (32)	Temper.-ture. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine Hrs. (36)
1	London (K	64	51	41	-	-	0·0
	Croydon	62	51	46	Tr	-	0·0
	S. Farnbo	60	48	38	Tr	Tr	0·1
	Boscombe	59	47	39	-	-	0·0
	Calshot (S	64	54	51	-	-	0·8
	Lympne	62	53	49	-	-	0·1
	Manston	67	52	49	-	-	1·7
2	Shoebury	66	56	56	-	-	1·1
	Felixstow	67	57	56	-	-	1·2
	Gorleston	68	54	53	-	-	5·1
	Mildenhal	65	49	43	-	-	0·0
	Cranwell	69	49	45	Tr	-	1·0
3	Birmingh	62	47	44	-	-	0·0
	Upper He	59	43	36	0·1	-	*
4	Ross-on-W	62	48	43	Tr	-	0·3
5	Bristol	57	46	39	Tr	-	0·0
	Portland	59	55	*	-	-	*
	Plymouth	61	46	43	Tr	-	6·2
	The Lizar	60	51	*	-	-	*
	Scilly (St.	63	52	*	-	-	13·6
	Guernsey	65	50	43	Tr	-	8·8
6	Pembroke	58	53	*	1	-	4·1
7	Holyhead	60	51	46	1	-	3·4
	Chester(Se	63	47	41	-	-	1·2
8	Manchest	62	42	36	0·4	Tr	0·2
10	Spurn He	70	55	*	-	-	3·6
	Catterick	65	52	49	Tr	Tr	0·0
	Tynemou	57	53	49	Tr	0·3	0·1
11	St.Abbs H	58	49	*	10	0·1	*
	Leuchars	56	47	45	23	1	0·0
12	Renfrew (A	62	45	39	6	0·4	0·0
	Eskdalem	53	40	32	16	1	0·0
	Point of	57	43	*	0·1	0·2	0·0
13A	Tiree ...	60	46	43	-	2	14·1
13B	Stornowa	56	48	*	-	Tr	3·5
15	Dalwhinn	52	38	36	-	-	0·0
	Aberdeen	52	51	50	0·2	0·6	0·0
	Wick	55	51	*	Tr	-	*
16	Lerwick	54	49	*	-	0·4	0·2
17	Blacksod	58	53	*	-	18	*
18	Malin He	58	53	*	-	5	7·0
	Aldergro	61	48	44	-	3	5·0
19	Birr Cast	63	52	51	-	6	8·2
20	Valentia	61	55	53	-	16	8·4
	Roches P	65	54	*	-	1	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
								Yesterday.				To-day.	
Kew	18	c	c	c	64	51	41	-	-	0·0	*	*	8
Croydon	217	c/c	c	c/bc	62	51	46	Tr	-	0·0	*	*	8
Greenwich (Royal Observatory)	149	c	c	c	64	50	38	-	-	0·0	68	58	6
City (Bunhill Row)	-	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park)	27	*	*	*	67	54	47	-	-	0·0	67	66	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	62	52	48	-	-	0·0	69	63	*
Camden Square	110	c	c	*	62	53	47	-	-	*	*	58	*
Kensington	80	oc	c	*	70	52	46	-	-	0·0	41	59	*
Hampstead Observatory	450	0	0	bc	61	49	42	-	-	0·0	*	69	*

18h. Tenths.

FOREIGN OBSERVATIONS.

Stations	18h G.M.T. 4th July. Barom. mb	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 5th July. Barom. mb	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1021·8	WNW	2	c	68	1024·2	N	1	bc	57
Brussels	1021·5	W	2	c/p	64	1023·4	SW	1	c	59
Berlin	1018·0	ENE	2	c	84	1018·4	E	1	Zo	75
Zürich						1020·0	SSE	1	bc	66
Rome										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
73	50	Tr	-
73	46	-	-
*	66	-	-
*	63		1
*	*		

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
Less than 0·3 whole period			

Kew Observatory.

Max.	Time.	Min.	Time.
Less than 0·1 whole period			

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 6th July, 1937.
No. 27620

OBSERVATIONS at 13h. G.M.T. 5th July

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°F Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1021·0	−8	SW	3	c	65	66	8	1	1	—	4-6	10	2500
	Croydon ...	1021·0	−10	SW'S	3	c	63	65	8	2	1	-	4-6	10	4000
	S. Farnborough	1021·0	−6	SW	2	c	62	65	8	1	7	-	4-6	9+	4000
	Boscombe Down	1021·0	−12	WSW	3	c	60	65	7	8	7	-	7-8	9	2500
	Calshot (Sthmtn.)	1022·0	−4	SSW	3	c	63	65	8	8	7	6	2-3	9+	2500
	Lympne ...	1022·6	−2	SW	2	c	59	85	8	5	3	-	7-8	10	2500
	Manston ...	1021·5	−6	SSW	3	c	62	75	7	5	2	-	7-8	10	2500
2	Shoeburyness ...	1021·3	−6	S'E	2	c	64	65	8	5	1	-	4-6	9+	4000
	Felixstowe ...	1021·1	−4	S'W	53	c	65	65	7	5	2	-	7-8	10	1500
	Gorleston ...	1020·5	−6	SE'S	4	c	65	65	6	8	-	-	10	10	2500
	Mildenhall ...	1020·5	−6	W'S	3	c	63	65	8	5	1	-	1	10	4000
	Cranwell ...	1019·5	−8	SW'S	3	c	62	55	7	7	7	-	7-8	9+	2500
3	Birmingham ...	1019·4	−8	SW	3	c	60	65	7	8	7	-	4-6	9	2500
4	Upper Heyford	1020·8	−6	WSW	3	c	62	55	9	7	7	-	4-6	10	2500
	Ross-on-Wye	1019·5	−8	SW'S	4	c	62	55	7	1	3	-	2-3	9+	4000
5	Bristol ...	1020·7	−10	SSW	2	bc	62	65	8	1	3	-	4-6	7-8	2500
	Portland Bill ...	1021·1	−6	WSW	4	c	59	85	7	4	-	-	7-8	7-8	2500
	Plymouth ...	1020·6	−8	SSW	4	c	61	85	8	5	7	-	2-3	9+	4000
	The Lizard ...	1020·2	−10	SW'S	4	c	60	85	8	8	7	-	7-8	9+	2500
	Scilly (St.Mary's)	1018·8	−14	SSW	5	pr$_o$	60	85	8	8	2	-	4-6	10	1500
	Guernsey ...	10229	−4	SW	1	c	62	65	8	5	7	8	4-6	9	2500
6	Pembroke ...	1017·2	−8	SSW	5	pr	56	97	7	8	2	-	7-8	9+	1500
7	Holyhead ...	1016·0	−10	S'W	4	r$_o$r$_o$	56	92	7	6	2	-	2-3	10	1500
	Chester(Sealand)	1017·5	−14	S'W	3	ir$_o$	64	55	7	8	2	-	7-8	10	2500
8	Manchester ...	1018·4	−8	SSW	4	c	62	65	8	7	7	-	4-6	9+	2500
10	Spurn Head ...	1019·6	0	SSW	3	c	64	75	8	5	6	-	7-8	9+	2500
	Catterick ...	1016·9	−12	SSW	4	bc	66	55	7	2	9	6	4-6	7-8	4000
	Tynemouth ...	1017·0	−2	WSW	2	c	63	65	7	5	-	-	7-8	7-8	1500
11	St Abbs Head	1015·3	−2	S	4	c	58	85	8	6	2	-	2-3	10	1500
	Leuchars ...	1015·0	−6	SSW	3	c	60	75	8	5	2	1	4-6	9+	1500
12	Renfrew (Abbotsl.)	1013·7	−10	SSW	3	ir$_o$	58	75	8	8	2	-	7-8	10	2500
	Eskdalemuir ...	1015·4	−4	SW'S	6	c/r	57	85	7	5	-	-	9+	9+	1500
	Point of Ayre...	1015·5	−8	SW	5	ir	57	85	8	9	-	-	10	10	1500
13A	Tiree	1009·7	−12	SSE	5	DD	54	92	6	-	2	-	10	10	800
13B	Stornoway ...	1010·8	−6	SSE	5	c	54	85	8	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1014·1	−4	S	2	c	51	85	7	5	2	-	7-8	9+	2500
	Aberdeen ...	1013·8	+2	SW'S	5	bc	62	55	7	1	4	1	1	4-6	4000
	Wick ...	1011·3	−6	SSW	2	bc	56	85	8	5	4	1	2-3	4-6	2500
16	Lerwick ...	1013·2	+12	WSW	3	c	53	92	8	5	2	-	7-8	10	450
17	Blacksod Point	1005·7	−10	S	5	ir	59	92	7	6	-	-	10	10	450
18	Malin Head ...	1007·9	−16	S	4	rr	57	97	6	8	2	-	4-6	9+	800
	Aldergrove ...	1011·3	−18	SSE	4	ir	56	92	6	6	2	-	9+	10	800
19	Birr Castle ...	1009·3	−20	SW	2	c/r	58	97	7	6	2	-	4-6	10	1500
20	Valentia Obsy. †	1008·4	−8	SW'S	5	dd	61	97	5	6	-	-	10	10	450
	Roches Point	1010·8	−24	SW	5	DD	58	97	4	5	-	-	10	10	220

OBSERVATIONS at 18h. G.M.T. 5th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°F Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1019·2	−8	SSW	3	c	65	55	8	5	7	-	7-8	9	2500	0	*
	Croydon ...	1019·6	−8	SW'S	3	c	63	55	8	-	5	-	0	9	-	0	*
	S. Farnborough	1019·4	−6	S'W	3	c	60	65	7	5	9	-	Tr	9+	4000	0	*
	Boscombe Down	1019·0	−10	SW'S	3	c	60	65	8	7	7	-	4-6	9+	4000	0	*
	Calshot (Sthmtn.)	1020·3	−10	SW'S	4	bc	61	65	8	7	3	4	2-3	4-6	2500	0	2
	Lympne ...	1020·8	−10	SW'S	4	bc	60	65	8	-	-	4	0	4-6	-	0	2
	Manston ...	1020·0	−6	SSW	4	bc	61	75	7	5	53	-	2-3	7-8	2500	0	*
2	Shoeburyness ...	1019·8	−10	SSW	3	c	64	65	8	5	7	-	7-8	9+	5700	0	*
	Felixstowe ...	1019·5	−8	S'W	3	c	64	65	8	8	3	-	4-6	9	4000	0	2
	Gorleston ...	1018·9	−10	SSE	5	c	65	75	6	5	-	-	9+	9+	2500	0	3
	Mildenhall ...	1018·4	−6	SW	3	c	64	65	8	1	7	-	1	9+	4000	0	*
	Cranwell ...	1017·6	−8	SW'S	3	c	64	45	8	7	7	-	7-8	9+	2500	0	*
3	Birmingham ...	1017·6	−10	SSW	3	bc	59	65	7	1	8	-	2-3	4-6	1500	0	*
4	Upper Heyford	1018·5	−10	SSW	3	ir$_o$	60	65	8	6	2	-	2-3	10	1500	1	*
	Ross-on-Wye	1016·9	−14	SW'S	4	c	62	65	8	8	7	-	9	9+	2500	0	*
5	Bristol ...	1018·7	−14	S	3	c/r	59	85	8	5	7	-	2-3	10	1500	0	*
	Portland Bill ...	1019·0	−10	SW	4	c	59	75	7	4	-	-	7-8	7-8	2500	0	3
	Plymouth ...	1019·0	−6	S'W	4	c	59	92	8	5	7	-	4-6	10	1500	0	2
	The Lizard ...	1018·2	−8	SW'S	4	c	58	85	7	8	2	-	9	10	2500	0	2
	Scilly (St.Mary's)	1016·3	−12	SW'S	6	z$_o$	58	97	5	5	-	-	10	10	1500	1	3
	Guernsey ...	1021·2	−8	S	0	c	61	65	8	5	7	-	10	10	2500	0	1
6	Pembroke ...	1015·6	−16	SSW	7	ir	57	92	6	5	-	-	10	10	800	1	4
7	Holyhead ...	1012·3	−18	S	6	id$_o$	55	92	7	5	2	-	7-8	10	450	1	3
	Chester(Sealand)	1015·5	−12	SSE	3	c	60	65	7	5	2	-	7-8	10	4000	1	*
8	Manchester ...	1016·2	−14	S	3	c	60	65	7	5	7	-	7-8	10	2500	1	*
10	Spurn Head ...	1017·5	−10	S'E	4	c	62	85	7	5	7	-	7-8	9	1500	0	2
	Catterick ...	1015·4	−6	SSW	2	z$_o$	61	75	6	5	7	-	Tr	9+	2500	1	*
	Tynemouth ...	1015·3	−6	SW	2	ir$_o$	62	85	6	-	2	-	10	10	800	1	1
11	St Abbs Head	1014·1	−10	S	3	ir$_o$	53	85	7	3	2	-	7-8	10	1500	1	2
	Leuchars ...	1013·6	−4	S	3	c	58	75	8	5	2	-	7-8	10	2500	1	*
12	Renfrew (Abbotsl.)	1011·5	−14	SSE	2	dd	56	85	6	5	-	-	10	10	1500	1	*
	Eskdalemuir ...	1013·6	−10	S	4	r$_o$r$_o$	53	92	6	6	-	-	10	10	800	1	*
	Point of Ayre...	1012·1	−22	S'W	5	DD	55	97	6	6	-	-	10	10	450	1	3
13A	Tiree	1007·5	−16	SSE	4	dd	54	97	6	5	-	-	10	10	220	1	3
13B	Stornoway ...	1009·0	−8	SSE	4	pr$_o$	55	85	7	5	2	-	4-6	10	1500	1	3
15	Dalwhinnie ...	1011·9	−10	S	2	c	53	85	7	4	-	-	10	10	2500	0	*
	Aberdeen ...	1013·0	−4	S'E	4	c	56	85	7	5	9	-	2-3	9	4000	0	1
	Wick ...	1011·0	−6	SSE	1	c	55	85	8	5	4	1	2-3	7-8	2500	1	*
16	Lerwick ...	1013·6	0	S	3	c	53	92	8	5	7	-	4-6	7-8	1500	0	*
17	Blacksod Point	1006·8	+12	W	4	c	58	92	7	5	-	-	10	10	800	1	3
18	Malin Head ...	1005·8	−20	S	4	r$_o$r$_o$	59	97	6	9	2	-	7-8	10	800	1	2
	Aldergrove ...	1008·1	−20	SSE	4	c	57	92	7	6	2	-	9	10	450	1	*
19	Birr Castle ...	1007·2	−8	SSW	1	ir	62	97	7	6	2	-	4-6	10	1500	1	*
20	Valentia Obsy. †	1010·8	+18	WSW	4	c	59	97	7	5	-	-	9+	9+	450	1	3
	Roches Point	1010·2	−2	WSW	4	o	59	97	7	5	-	-	10	10	800	1	4

PAST 24 HOURS.

Stations	Weather. 7h.–13h. 5th. (37)	13h.–18h. 5th. (38)	18h. 5th to 1h. 6th. (39)	1h.–7h. 6th. (40)
London (Kew)	c	cy	cyc	cr$_o$r$_o$
Croydon ...	c	cbcycy	circ	cr$_o$rr
S. Farnborough	bcc	cbcyc	cir$_o$c	cor$_o$r$_o$c
Boscombe Down	bcc	cyc	c	crrm$_o$c
Calshot (Sthmtn.)	c	cbc	bcc	ccrrir$_o$m$_o$
Lympne ...	c	cbc	bccr$_o$	cr$_o$orr
Manston ...	ccm$_o$c	c	cbc	cr$_o$crm$_o$r$_o$
Shoeburyness ...	cm$_o$c	c	c	r$_o$r$_o$c
Felixstowe ...	c	c	c	cr$_o$r$_o$
Gorleston ...	bccq	cq	cqc	cpr$_o$
Mildenhall ...	bcc	c	cir$_o$	cr$_o$r$_o$
Cranwell ...	bcc	cy	c	cir$_o$
Birmingham ...	cbcc	cpr$_o$bc	bc	bcc
Upper Heyford	c	cyr$_o$	cr$_o$c	cm$_o$irid$_o$
Ross-on-Wye	c	ccp$_o$c	c	coc
Bristol ...	cbc	bccr$_o$	c	cr$_o$r$_o$d$_o$
Portland Bill ...	c	c	orr	rrpro
Plymouth ...	c	c	cor$_o$r$_o$	od rRr$_o$
The Lizard ...	c	cpr$_o$c	prfr	ffRr
Scilly (St.Mary's)	cp$_o$	cp$_o$m$_o$	mdfdf	dfdfo
Guernsey ...	c	c	co	orr
Pembroke ...	cqprmc	cqm	crqmirc	c
Holyhead ...	p$_o$r$_o$cc	r$_o$d$_o$r$_o$d$_o$c	ddmo	oDmc
Chester(Sealand)	cyirc	c	c	c
Manchester ...	cm$_o$c	cr$_o$rc	cr$_o$c	c
Spurn Head ...	c	c	c	cq
Catterick ...	cz$_o$bcy	ccr$_o$z$_o$	cz$_o$c	ccrm$_o$c
Tynemouth ...	bcc	coir$_o$	or$_o$r$_o$	c
St Abbs Head	c	lrc	rrm$_o$o	ffm$_o$c
Leuchars ...	c,cir$_o$c	cjpc	cr$_o$r$_o$ir	cirir$_o$
Renfrew (Abbotsl.)	r$_o$r$_o$m$_o$c	cm$_o$r$_o$dd	cm$_o$r$_o$dcm$_o$	ofRcq
Eskdalemuir ...	r$_o$cqpr$_o$c	cr$_o$r$_o$	od$_o$d$_o$dd	oddm$_o$
Point of Ayre...	cir	rrDd	DdD	c
Tiree	cm$_o$dd	m$_o$ird	om$_o$dd	DDm
Stornoway ...	cpr$_o$	cpr$_o$	c	d$_o$d$_o$c
Dalwhinnie ...	c	cirr$_o$		cir
Aberdeen ...	cbcy	bcyc	cir$_o$c	cz$_o$
Wick ...	cbc	bcc	c	c
Lerwick ...	fcrfc	c	c	cr$_o$r$_o$
Blacksod Point	iRq	iR	prt	id
Malin Head ...	crr	crrr$_o$	cr$_o$fo	cz$_o$z$_o$
Aldergrove ...	r$_o$rrr$_o$c	irr$_o$r$_o$m$_o$c	ccr$_o$rc	crrr$_o$d$_o$
Birr Castle ...	crrir	cir	circ	c
Valentia Obsy. †	r$_o$r$_o$Rrrdd	d$_o$d$_o$ddc	id$_o$pr$_o$	cp$_o$c
Roches Point	drdrDD	Dddo	oc	oid$_o$c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⫽ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths o. the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

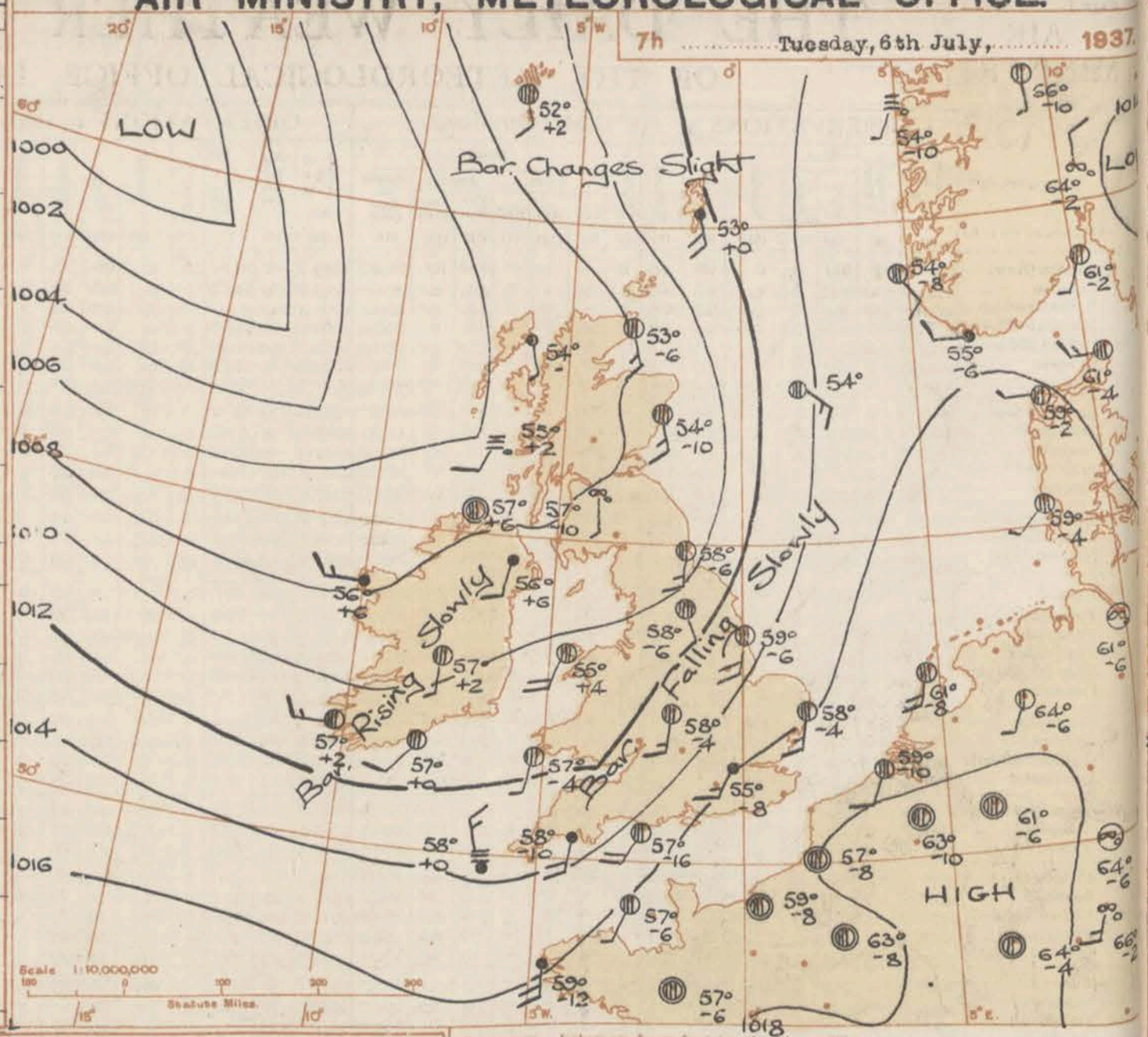
REPORTS from HEALTH RESORTS for Monday, 5th July, 1937.

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 4th to 9h. 5th.	Temperature (°F.) Max. 9h.—17h. 5th.	Rainfall (mm.) Night. 17h. 4th to 9h. 5th.	Rainfall (mm.) Day. 9h.—17h. 5th.	Sunshine (Hrs.) Sunrise to 17h. 5th.	Sunshine (Hrs.) Sunrise to Sunset. 4th.
1	Tunbridge W.	o	ocb	53	66	–	–	3·6	0·3
	Bournemouth	c	bbcbc	50	65	–	–	3·8	0·3
	Ventnor ...	oboco	obc	54	61	–	–	3·9	0·0
	Southsea ...	oc	cbc	55	66	–	–	3·5	0·0
	Bognor Regis	bcc	cbc	55	62	–	–	3·0	0·5
	Littlehampton	c	cbc	54	62	–	–	2·5	0·2
	Worthing ...	c	cbcb	54	63	–	–	1·7	0·1
	Brighton ...	c	cb	55	63	–	–	1·9	0·2
	Eastbourne† ...	o	ocbc	55	63	–	–	1·3	5·2
	Hastings† ...	co	cbcbc	54	63	–	–	1·5	0·6
	Folkestone ...	co	oc	55	63	–	–	0·4	0·6
	Dover ...	cbcc	cbc	57	63	–	–	1·1	1·7
	Deal	o	oc	58	64	–	–	0·3	0·7
	Ramsgate ...	c	cbc	56	63	–	–	0·3	2·2
	Margate ...	c	cbc	56	64	–	–	0·2	5·7
2	Southend ...	co	oc	55	67	–	–	3·9	1·0
	Maldon ...	bbcc	c	57	67	–	–	3·5	0·1
	Clacton-on-Sea	bcc	cbc	56	66	–	–	2·8	0·4
	Dovercourt ...	ocbc	ocbc	56	65	–	–	2·4	2·0
	Lowestoft ...	bbcc	c	53	65	–	–	4·5	4·0
	Skegness ...	bbcc	cbcc	50	64	–	–	3·8	0·2
	Mablethorpe...	bbc	bco	49	65	–	–	4·3	1·9
	Cleethorpes ...	bcc	c	53	67	–	–	4·2	3·1
3	Leamington S.	c	cp	48	65	–	0·3	0·7	0·0
4	Cheltenham†	coc	cpc	46	65	–	Trace	0·8	0·1
5	Bath	c	bccp	46	66	–	Trace	1·1	0·0
	Weymouth ...	c	bcc	50	64	–	–	2·2	0·7
	Jersey ...	bc	bc	58	64	–	–	7·4	10·0
	Torquay ...	wco	oc	46	62	–	–	0·0	6·7
	Penzance ...	c	c	50	63	–	–	0·3	13·1
	St. Ives ...	o	o	50	62	–	–	0·0	11·3
	Bude... ...	c	cro	48	62	–	Trace	0·0	3·8
	Ilfracombe ...	cbcco	copog	51	64	–	Trace	0·2	1·9
6	Aberystwyth	c	prc	52	61	–	1	0·0	2·0
7	Llandudno ...	cirr	rccr	48	61	–	2	0·1	1·0
	Colwyn Bay...	bccpc	cpcpc	48	63	–	1	0·3	1·3
	Rhyl	bcc	crrc	48	64	–	3	0·9	1·4
8	Wallasey ...	cbcc	crc	50	63	–	1	0·5	0·0
	Southport ...	oc	opco	50	63	–	0·2	1·0	0·0
	Blackpool ...	c	copo	48	63	–	0·5	1·3	0·1
	Morecambe ...	cbcc	bbcrc	48	64	1	0·3	1·5	1·3
9	Ilkley... ...	c	cpc	52	68	–	0·5	1·3	0·5
	Harrogate ...	cbc	c	51	66	–	–	1·9	1·9
10	Berwick-on-T.	co	cro	50	62	0·2	Trace	0·9	0·0
11	Dunbar ...	bc	cro	43	62	1	Trace	0·9	0·0
12	Troon... ...	rococ	coror	48	58	0·3	1	0·1	0·0
	Douglas ...	crom	crom	46	57	–	6	0·0	1·6

† Max. Temp. for period 24h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Tuesday, 6th July, ... 1937.



Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
Sea Disturbance. ~~ Rough. ≈≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts	Forecasts for the 24 hours commencing 12 noon, G.M.T. 6th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light to moderate southwest to west winds; cloudy, occasional rain or drizzle; rather cool.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Light to moderate northwest to west winds; cloudy, occasional rain or drizzle; perhaps thunder locally; rather cool.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	As 1 - 4.
13 A. W. Scotld. 13 B.N.W.Scotland.	Light variable winds, freshening from west; occasional rain or drizzle at first, showers with perhaps local thunder later; rather cool.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light to moderate southerly winds, veering west; cloudy; occasional rain or drizzle; rather cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light to moderate west to northwest winds, fresh locally; cloudy; occasional rain; local thunder; rather cool.

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

GENERAL INFERENCE.

A complex trough of low pressure, associated with an almost stationary depression near Iceland, is moving slowly eastwards across the British Isles. Weather will be mainly cloudy with rain or drizzle at times in most districts. Thunderstorms will occur locally in Ireland and will perhaps extend to western parts of England and Wales.

FURTHER OUTLOOK.

Continuing rather cool with rain at times.

Forecasts issued at 0950 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of

TUESDAY 6TH JULY.

1937.

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

Clarke's Projection Scale 1" = 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 800

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere: a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 6th July, 1937.

No. 27620

OBSERVATIONS at 1 hr. G.M.T. 6th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1015·0	-10	SSW	3	c	56	85	7	5	7	-	2·3	3+	7200
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013·7	-6	SSW	2	ir.	53	92	8	5	2	-	3	10	2500
	Manston ...	142	1016·6	-10	SSW	3	bc	52	92	9	5	-	-	2·3	2·3	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1017·5	-8	SSW	2	c	59	85	7	5	-	-	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1017·2	-10	SSW	4	rr	57	92	7	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1014·7	-6	SW'S	4	rf	57	97	2	5	-	-	10	10	450
	Scilly (St. Mary's)	163	1014·8	-8	SW'S	4	df	58	97	3	5	-	-	10	10	<150
	Guernsey ..	175	1015·0	-12	-	0	0	57	85	8	5	-	-	10	10	2500
6	Pembroke ...	142	1012·3	0	W	6	q	57	92	7	5	2	-	7·8	9+	1500
7	Holyhead ...	26	1010·1	-8	SW	4	d. d.	56	97	4	5	-	-	10	10	450
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1014·3	-10	SSW	3	c	55	85	7	5	2	-	4·6	10	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1012·4	-10	S	2	c	56	85	6	-	2	-	10	10	800
11	St. Abbs Head	280	1010·3	-12	SE	3	rr	55	97	5	5	-	-	10	10	800
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1008·5	-14	SSW	4	c	57	97	7	9	-	-	9+	9+	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1007·3	-8	SE	1	c	54	97	8	5	7	-	7·8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1006·7	-8	SSE	4	c	53	97	8	5	1	-	9	10	1500
16	Lerwick ...	156	1012·2	-2	S	4	c	52	97	7	5	7	-	7·8	9+	1500
17	Blacksod Point	18	1007·3	0	SW	3	c	57	92	7	5	-	-	10	10	800
18	Malin Head ...	84	1005·4	+4	SW	3	rr	55	97	3	3	-	-	10	10	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1010·2	-6	-	0	d. d.	57	97	5	5	-	-	10	10	800
	Roches Point	29	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 6th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1016·0	- 8	SSW	3	ir.	57	92	6	6	2	-	7·8	10	1500	1	*
	Croydon ...	1016·2	-8	SW'S	3	ir.	55	97	7	6	7	-	4·6	9+	1500	1	*
	S. Farnborough	1016·0	-4	SSW	2	c/r	56	92	7	6	7	-	7·8	9+	1500	1	*
	Boscombe Down	1015·5	-10	S	4	c	55	97	6	6	-	-	10	10	800	1	*
	Calshot (Sthmtn.)	1016·5	-4	S'W	4	c	57	85	8	5	7	-	4·6	10	1500	1	3
	Lympne ...	1017·6	-8	SW'S	1	rr	54	97	6	5	2	-	4·6	10	4000	1	5
	Manston ...	1017·2	-6	S'W	3	r. r.	55	92	6	6	2	-	7·8	10	1500	1	*
2	Shoeburyness ...	1017·0	-6	SSW	3	rr	56	92	6	6	2	-	4·6	10	1500	1	*
	Felixstowe ...	1016·6	-4	SSW	4	r. r.	56	92	7	5	7	-	7·8	10	2500	1	2
	Gorleston ...	1015·5	-4	S'W	3	c/pr	58	85	6	5	-	-	10	10	2500	0	2
	Mildenhall ...	1014·5	-6	SSW	2	c/r	56	92	8	-	7	-	0	9	-	1	*
	Cranwell ...	1013·5	-8	S'W	3	c	58	85	8	5	-	-	9+	9+	4000	0	*
3	Birmingham ...	1013·6	-4	SSW	3	c	58	85	8	5	-	-	9	9	800	0	*
	Upper Heyford	1015·3	-4	S	3	id.	55	92	7	6	-	-	10	10	800	1	*
4	Ross-on-Wye	1013·6	-6	SSW	3	c	55	92	7	5	-	-	9+	9+	1500	0	*
5	Bristol ...	1014·5	-6	S	2	c/d	57	97	6	5	-	-	10	10	800	0	*
	Portland Bill ...	1014·7	-16	SW	4	c	57	92	7	5	-	-	10	10	2500	1	4
	Plymouth ...	1013·5	-10	SSW	4	r. r.	58	97	5	-	2	-	10	10	<150	1	2
	The Lizard ...	1013·0	-8	SW'S	3	h	58	97	1	5	-	-	10	10	220	1	2
	Scilly (St. Mary's)	1013·1	0	NW'N	3	df	56	97	3	-	-	-	10	10	<150	1	2
	Guernsey ..	1017·1	-6	SW	1	c	57	92	8	8	-	-	9+	9+	2500	1	1
6	Pembroke ...	1011·6	-4	SSW	1	c	57	92	7	5	2	-	7·8 (4·6)	9+	1500 (800)	1	3
7	Holyhead ...	1010·3	+4	SW'S	4	c	55	97	5	5	2	-	7·8	10	450	1	3
	Chester(Sealand)	1011·6	+4	SW	2	c	60	85	8	5	-	-	9+	9+	1500	0	*
8	Manchester ...	1011·8	+2	S'E	2	z.	55	85	6	5	-	-	10	10	1500	1	*
10	Spurn Head ...	1013·6	-6	SSW	4	c	55	85	7	5	-	-	9+	9+	800	0	5
	Catterick ...	1010·4	-6	SSE	2	c	58	85	7	6	2	-	5	10	1500	0	*
	Tynemouth ...	1009·4	-6	SSW	3	c	58	85	6	5	-	-	7·8	7·8	800	1	1
11	St. Abbs Head	1008·5	-24	SE	3	c	56	97 (85)	6	8	2	-	4·6	7·8	1500	1	2
	Leuchars ...	1007·7	-12	E	2	ir.	54	92	5	5	2	-	4·6	10	450	1	*
12	Renfrew (Abbots I.)	1006·7	0	S'W	1	z.	57	92	6	5	-	-	9+	9+	450	1	*
	Eskdalemuir ...	1008·1	-8	S	3	dd	54	97	5	-	2	-	10	10	<150	1	*
	Point of Ayre ...	1008·8	+10	W	4	c	58	97	7	6	-	-	9+	9+	800	1	3
13A	Tiree	1006·0	+2	SWW	2	m	55	97	4	5	-	-	10	10	220	1	1
13B	Stornoway ...	1006·6	*	SSE	1	d. d.	54	97	7	5	2	-	7·8	10	1500	1	0
15	Dalwhinnie ...	1008·4	0	S	2	c	53	92	6	4	2	-	7·8	10	2500	1	*
	Aberdeen ...	1008·6	-10	S'E	3	o	54	92	6	5	-	-	10	10	1500	0	1
	Wick ...	1007·4	-6	SSE	3	c	53	97	6	5	7	-	7·8	9	1500	1	2
16	Lerwick ...	1011·4	0	SSE	4	r. r.	53	92	7	5	2	-	7·6	10	800	1	*
17	Blacksod Point	1007·7	+6	W	3	id	56	97	6	6	-	-	10	10	450	1	2
18	Malin Head ...	1006·7	+6	-	0	c	57	97	6	6	2	-	7·8	10	800	1	0
	Aldergrove ...	1008·6	+6	SSW	2	dr	56	97	6	5	2	-	9+	10	450	1	*
19	Birr Castle ...	1009·4	+2	S	1	c	57	97	6	5	-	-	7·8	7·8	2500	1	*
20	Valentia Obsy. †	1011·6	+2	W	3	c/pr	57	92	8	5	-	-	9+	9+	800	1	3
	Roches Point	1011·1	0	WSW	2	c	57	97	8	5	-	-	7·8	7·8	1500	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 5th Hrs. (36)
1	London (Kew)	70	55	53	-	2	3·4
	Croydon	66	55	52	-	3	4·4
	S. Farnborough	66	53	51	-	3	3·6
	Boscombe Down	65	52	52	-	7	3·7
	Calshot (Sthmtn.)	65	55	54	-	5	4·4
	Lympne	62	52	49	-	3	2·0
	Manston	64	51	48	-	1	0·6
2	Shoeburyness	66	56	54	-	2	3·4
	Felixstowe	66	56	56	-	1	2·3
	Gorleston	67	57	56	-	Tr	5·5
	Mildenhall	66	54	54	-	0·6	4·0
	Cranwell	67	55	49	-	Tr	3·5
3	Birmingham	63	55	54	0·1	-	1·7
	Upper Heyford	65	53	52	Tr	0·5	*
4	Ross-on-Wye	65	56	56	0·2	-	1·3
5	Bristol	65	55	55	Tr	0·4	1·0
	Portland Bill	60	55	*	-	4	*
	Plymouth	(61)	57	56	-	7	0·0
	The Lizard	61	56	*	0·4	12	*
	Scilly (St. Mary's)	61	57	*	Tr	4	0·0
	Guernsey	64	54	53	-	4	4·4
6	Pembroke	55	55	*	2	1	0·0
7	Holyhead	58	54	54	3	3	0·2
	Chester(Sealand)	64	56	53	1	-	0·4
8	Manchester	63	56	54	0·3	Tr	1·2
10	Spurn Head	60	56	*	-	-	4·3
	Catterick	67	56	56	0·3	Tr	3·3
	Tynemouth	67	55	53	0·1	1	2·2
11	St. Abbs Head	62	51	*	Tr	5	*
	Leuchars	64	53	52	Tr	5	2·6
12	Renfrew (Abbots I.)	60	56	54	1	5	0·0
	Eskdalemuir	59	51	51	1	4	0·6
	Point of Ayre	59	54	*	5	6	0·0
13A	Tiree ...	55	53	52	2	1	0·0
13B	Stornoway	60	53	*	0·1	0·1	0·3
15	Dalwhinnie	57	50	51	0·1	0·2	0·1
	Aberdeen	64	53	52	-	0·3	5·9
	Wick	57	52	*	-	-	*
16	Lerwick	55	50	*	-	0·3	3·1
17	Blacksod Point	62	53	*	19	1	*
18	Malin Head	59	52	*	7	3	0·0
	Aldergrove	57	55	55	5	C	0·0
19	Birr Castle	63	56	54	4	0·6	0·0
20	Valentia Obsy.	62	55	54	13	1	0·2
	Roches Point	60	56	*	9	0·2	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Stations	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T % (Yesterday.)	Humidity. 9h. G.M.T % (To-day.)	Visibility 9h.
Kew	18	c	cy	cyc. r. c.	70	55	53	-	2	3·4	•	•	7
Croydon	217	c	c. cy. cy	cir. s. r. r.	66	55	52	-	3	3·5	•	•	8
Greenwich (Royal Observatory)...	149	c	c	c r. c	71	54	52	-	3	3·8	55	85	
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	3·7	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	66	55	54	2		3·8	65	56	•
Regents Pk. (Botanic Gardens)‡...	168	•	•	•	67	54	52	-	2	3·5	54	82	•
Camden Square	110	bc	c. bc	•	60	55	54	-	1	•	•	83	•
Kensington	80	bc. c. oc	c	•	67	55	53	-	2	3·7	84 18h.	86	•
Hampstead Observatory	450	bc	c	b. c. or	65	51	47	-	1	3·8	•	92	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
less than 0·3 whole period			

Kew Observatory. Max.	Time.	Min.	Time.
Less than 0·1 whole period			

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 5th. July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 6th. July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	1020·2	WNW	2	c	72	1018·1	-	0	c	63	75	54	-	-
Brussels	1020·2	NW	1	c	66	1017·9	-	0	c	63	70	50	-	-
Berlin	1015·9	NW	2	z.	77	1016·4	NW	2	bc	66	86	53	7	-
Zürich	1017·9	N	1	c	73	1018·9	SSW	1	z.	64	84	55	-	-
Rome	*	WNW	3	c	*	1016·5	-	0	m	72	*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 2 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 7th July, 1937.

No. 27621

OBSERVATIONS at 13h. G.M.T. 6th July, 1937

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. °F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1014·6	-8	SW	3	c/pr	61	75	6	5	-	-	10	10	1500
	Croydon ...	1014·7	-8	SSW	3	c	64	75	8	5	-	-	9+	9+	2500
	S. Farnborough	1014·8	-6	SSW	3	c/d	55	85	7	5	-	-	10	10	1500
	Boscombe Down	1014·1	-10	S'E	4	rr	57	97	5	6	2	-	9	10	450
	Calshot (Sthmtn.)	1015·2	-10	S	4	c	62	75	8	5	7	-	7-8	10	1500
	Lympne ...	1016·0	-10	SSE	2	c	63	75	8	7	3	3	4-6	9+	4000
	Manston ...	1015·2	-10	SE	4	c	62	85	7	7	7	-	4-6	7-8	1500
2	Shoeburyness ...	1015·2	-14	SSW	3	c	66	75	8	5	-	-	9+	9+	2500
	Felixstowe ...	1015·1	-10	SSE	4	c	61	85	7	5	2	-	9	10	1500
	Gorleston ...	1014·7	-4	SSW	3	c	60	85	6	5	-	-	10	10	2500
	Mildenhall ...	1013·8	-10	SSW	3	c	63	85	8	5	-	-	10	10	2500
	Cranwell ...	1012·3	-6	SSW	3	c	67	65	6	5	-	-	7-8	9+	2500
3	Birmingham ...	1012·5	-4	SSW	3	c	63	75	7	5	2	-	4-6	10	1500
	Upper Heyford	1014·3	-4	S	3	c/r	58	97	8	6	-	-	10	10	450
4	Ross-on-Wye	1012·6	-10	SSW	3	id.	61	92	7·	6	-	-	10	10	800
5	Bristol ...	1013·0	-10	SW	3	ir.	62	92	6	6	2	-	9	10	1500
	Portland Bill ...	1013·5	-6	S	4	dd	58	92	6	5	-	-	10	10	1500
	Plymouth ...	1012·6	0	SW'S	2	c/d	61	97	6	5	1	-	4-6	10	220
	The Lizard ...	1013·5	+4	W'N	2	bc	62	85	7	8	4	-	4-6	4-6	2500
	Scilly (St. Mary's)	1013·9	+4	WNW	3	c	62	85	7	5	6	-	4-6	9	2500
	Guernsey ...	1015·2	-12	SW	3	c/r	59	97	6	5	-	-	10	10	1500
6	Pembroke ...	1011·2	-6	SW	2	c	59	92	7	5	-	-	10	10	1500
7	Holyhead ...	1010·9	0	SSW	3	c	59	95	7	5	2	-	2-3	10	1500
	Chester (Sealand)	1011·1	-4	WSW	1	c	66	65	8	6	3	-	7-8	9	4000
8	Manchester ...	1011·5	-2	WSW	2	c	66	65	7	6	3	1	4-6	7-8	2500
10	Spurn Head ...	1012·0	-4	S	3	c	65	85	7	5	6	-	4-6	7-8	2500
	Catterick ...	1010·7	0	SSW	2	c	64	75	7	9	-	-	10	10	2500
	Tynemouth ...	1010·1	+6	WSW	3	c	65	75	7	9	-	-	7-8	7-8	800
11	St Abbs Head	1008·7	+10	S	3	c/pr	62	92	7	3	6	-	7-8	9	1500
12	Leuchars ...	1007·7	+2	SW	3	r.	61	75	6	8	3	1	4-6	7-8	1500
	Renfrew (Abbotsl.)	1008·7	+8	SW'W	3	r.r.	59	92	6	6	2	-	7-8	10	800
	Eskdalemuir ...	1009·4	+4	SW'S	4	id.	57	92	6	6	-	-	10	10	800
	Point of Ayre ...	1009·9	0	SW'W	2	c	62	85	8	6	7	-	2-3	10	2500
13A	Tiree	1007·7	+8	WNW	2	c/f	59	97	6	5	2	-	7-8	10	<150
13B	Stornoway ...	1007·2	+2	SE	2	c	57	92	8	5	7	-	7-8	10	2500
15	Dalwhinnie ...	*	+4	S	1	c	55	97	6	5	6	-	7-8	10	2500
	Aberdeen ...	1007·9	-2	E	2	z.	56	85	5	5	7	-	2-3	9	800
	Wick ...	1007·2	-4	SSW	2	rf	54	97	3	5	-	-	10	10	1500
16	Lerwick ...	1010·4	-6	SE	4	c	54	92	7	8	1	-	7-8	10	800
17	Blacksod Point	1011·3	+20	NW	3	c	56	92	7	5	-	-	10	10	450
18	Malin Head ...	1007·8	+6	W	3	c	59	97	7	8	2	-	7-8	9	2500
	Aldergrove ...	1008·8	0	SE'E	3	c	64	85	8	8	-	-	9+	9+	1500
19	Birr Castle ...	1010·1	+6	SW	1	c	63	75	8	5	1	-	7-8	10	2500
20	Valentia Obsy. †	1014·7	+14	NNW	4	c	58	75	8	5	-	-	9	9	1500
	Roches Point	1012·0	+4	WNW	3	c/pr	62	85	9	9	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 6th July, 1937

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. °F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1013·1	-8	SSW	3	c	65	75	8	5	-	-	9+	9+	1500	0	*
	Croydon ...	1013·1	-10	SW'S	3	c	64	75	8	5	3	-	7-8	9+	2500	1	*
	S. Farnborough	1013·2	-4	S	2	1d.	60	85	6	5	-	-	10	10	1500	1	*
	Boscombe Down	1012·6	-10	S	3	d.d.	59	97	6	6	-	-	10	10	450	1	*
	Calshot (Sthmtn.)	1013·5	-10	S	3	c/d	61	97	6	6	2	-	9	10	800	1	2
	Lympne ...	1014·6	-4	SSW	3	bc	64	65	8	-	8	-	0	4-6	-	0	1
	Manston ...	1013·5	-2	SSW	3	bc	66	65	8	-	8	-	0	7-8	-	1	*
2	Shoeburyness ...	1013·5	-10	SW	2	bc	67	75	8	4	6	-	4-6	7-8	4000	1	*
	Felixstowe ...	1013·6	-6	SE'S	2	c	64	75	8	5	3	-	7-8	9	2500	1	2
	Gorleston ...	1013·5	-6	S'E	3	pr.	62	85	6	6	-	-	10	10	1500	1	2
	Mildenhall ...	1012·9	-8	S	2	c/r	61	92	6	6	2	-	7-8	10	2500	1	*
	Cranwell ...	1011·4	-4	SSW	4	c	64	75	8	8	3	-	7-8	8	2500	0	*
3	Birmingham ...	1011·7	-6	SSW	2	c	62	85	7	5	-	-	10	10	1500	0	*
	Upper Heyford	1013·1	-6	S	3	d.d.	58	97	6	6	2	-	9+	10	450	1	*
4	Ross-on-Wye	1011·3	-6	S	2	c/r	63	92	7	5	8	-	7-8	7-8	1500	1	*
5	Bristol ...	1012·3	-2	W	3	c	63	85	7	5	7	-	4-6	9	1500	1	*
	Portland Bill ...	1012·5	-8	SW	3	c	59	92	7	5	4	-	4-6	9	2500	1	3
	Plymouth ...	1012·9	+2	W'N	3	c	63	75	8	8	3	-	2-3	9	2500	1	2
	The Lizard ...	1014·1	+8	W	3	bc	61	85	8	8	4	-	2-3	2-3	2500	1	2
	Scilly (St. Mary's)	1014·6	+4	NW'W	4	bc	61	85	8	8	6	-	2-3	2-3	2500	0	2
	Guernsey ...	1014·4	-4	WNW	3	bc	62	92	7	8	3	1	4-6	4-6	2500	1	3
6	Pembroke ...	1011·5	0	W'S	2	c	59	92	7	5	6	-	7-8	9+	2500	1	2
7	Holyhead ...	1010·9	+2	SSW	4	c	58	85	8	6	-	-	9	9	2500	1	2
	Chester (Sealand)	1010·6	0	WNW	3	c	65	75	7	8	3	-	4-6	7-8	4000	0	*
8	Manchester ...	1010·4	0	NNW	3	bc	67	65	7	8	4	-	4-6	7-8	4000	0	*
10	Spurn Head ...	1010·8	-6	SSW	4	c	65	85	7	5	7	-	4-6	7-8	2500	0	3
	Catterick ...	1010·2	-6	W'N	1	bc	65	75	7	1	3	-	Tr	4-6	2500	0	*
	Tynemouth ...	1009·7	0	W	2	c	67	65	6	5	-	-	7-8	7-8	1500	1	1
11	St Abbs Head	1008·7	0	SW	2	c	62	92	7	3	6	-	7-8	9	1500	1	2
12	Leuchars ...	1008·4	+4	WSW	3	ir.	63	75	7	5	2	-	4-6	10	1500	1	*
	Renfrew (Abbotsl.)	1009·1	+6	WSW	2	c/pr	61	85	7	8	6	-	9	9+	1500	1	*
	Eskdalemuir ...	1009·8	+4	SW'S	3	d.d.	57	92	6	6	2	-	2-3	9+	800	1	*
	Point of Ayre ...	1010·0	0	ENE	1	c	60	85	8	2	6	-	1	7-8	1500	1	1
13A	Tiree	1008·8	+6	-	0	c	57	9*2	6	5	2	-	2-3	10	450	0	1
13B	Stornoway ...	1008·0	+6	NNW	2	c/d	57	92	6	5	2	-	7-8	10	1500	1	1
15	Dalwhinnie ...	1009·3	+10	S	2	c	56	92	7	4	2	-	7-8	10	2500	1	*
	Aberdeen ...	1007·4	-2	S	1	c	63	85	6	5	9	-	4-6	9	1500	0	1
	Wick ...	1007·4	+4	SSE	1·	z.	54	97	5	5	2	-	9	10	1500	1	2
16	Lerwick ...	1010·0	-4	SE	4	c	54	92	6	5	2	-	7-8	10	450	0	*
17	Blacksod Point	1013·8	+14	NW	4	c	54	85	8	5	-	-	10	10	1500	1	3
18	Malin Head ...	1009·0	+10	W	3	c	57	97	7	8	2	-	4-6	9	2500	0	2
	Aldergrove ...	1009·3	+2	SW'W	1	c	63	75	8	8	-	-	10	10	1500	1	*
19	Birr Castle ...	1012·7	+14	W'N	1	c	58	85	8	8	2	-	7-8	10	2500	1	*
20	Valentia Obsy. †	1016·0	+8	NW	4	pr.	57	75	8	6	-	-	9+	9+	1500	1	3
	Roches Point	1013·1	+6	NW	4	bc	61	75	9	2	-	5	2-3	4-6	2500	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 6th ... (37)	13h.–18h. 6th ... (38)	18h. 6th to 1h. 7th ... (39)	1h.–7h. ... 7th ... (40)
1	London (Kew)	cr.pr.c	c	cr.c	c
	Croydon ...	cir.c	ccpr	co	c
	S. Farnborough	cid.r.c	co	crm.c	c
	Boscombe Down	crr	cd.d.	cd.d.c	bcc
	Calshot (Sthmtn.)	cidc	cr.d.m.	dd.ddfam.	bcm.bc
	Lympne ...	crr.bc	cbc	bccfd.	Fd.irif
	Manston ...	cm.r.c	bccbc	cbcc	cd.fom.
2	Shoeburyness ...	rrir.c	cbc	bcc	ir.crm.
	Felixstowe ...	cr.rir.c	cir.c	cbc	cr.r.cm.
	Gorleston ...	cpr.	cpr.	bcc	cold.
	Mildenhall ...	cir.c	crrr.m.	cd.d.ir.m.	cid.m.
	Cranwell ...	c	cr.r.c	c	cm.
3	Birmingham ...	cbcc	cpr.	cid.	c
	Upper Heyford	cr.rrm.	r.d.D.d.d.	d.r.m.bcm	bcmc m.c
4	Ross-on-Wye	dfod.	d.dpcor	cbcbbcc	ccp.
5	Bristol ...	cir.rr	cir.m.	cbcc	cbcm.w
	Portland Bill ...	odpr	odc	cbc	bcc
	Plymouth ...	or.r.ddd	cm.bcc	cbc	cm.cd.c
	The Lizard ...	frbc	bccbc	bcw	bcc
	Scilly (St. Mary's)	odfc	cbc	bccbc	bccp.c
	Guernsey ...	codrr	oir.c	bccw	cwc
6	Pembroke ...	c	c	cq.fc	cqc
7	Holyhead ...	m.c	cd.c	c	c
	Chester (Sealand)	c	cbcc	cir.	c
8	Manchester ...	cm.c	cbc	c	cir.
				bccm.	cm.c
10	Spurn Head ...	c	cbcc	co	oc
	Catterick ...	oc	cm.cbc	bcw	wbc
	Tynemouth ...	cp.c	c	cbc	bc
11	St Abbs Head	cPR	cPR	c	c
12	Leuchars ...	cir.m.	cz.cir.	cir.c	cm.
	Renfrew (Abbotsl.)	cm.r.r.	r.m.cpr	cm.	cm.w
	Eskdalemuir ...	ddid.	id.cd.	d.d.cm.	crr.d.d.
	Point of Ayre ...	id.c	c	c	ir.dd
13A	Tiree	ojfc	jfc	cid ir	cir
13B	Stornoway ...	d.d.m.c	cd.d.	cid.	cid.
15	Dalwhinnie ...	cir	cir	*	ciro
	Aberdeen ...	cir.c	cz.	cz.r.	cr.id.
	Wick ...	cm.r.	cr.m.	of cm.	c
16	Lerwick ...	cr.r.pr.	cm.	cm.FFe	FF rid.
17	Blacksod Point	iD	iD	bc	pr.c
18	Malin Head ...	c	cpr.c	ofdf D	cDRc
	Aldergrove ...	cr.d.m.c	c	cor.r.c	coid.r.r.
19	Birr Castle ...	cpr.c	cpr.c	cpr.c	c
20	Valentia Obsy. †	cpr.c	ccpr.	cpr.c	cpr.c
	Roches Point	cpr.cv	cpr.bc	bc	bcc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus
R, heavy rain. r., slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 . . Ground dry.
1 . . ,, wet.
2 . . ,, flooded.
3 . . ,, frozen hard and dry.
4 . . ,, partly covered with snow or hail.
5 . . ,, covered with ice or glazed frost.
6 . . Ground covered with thawing snow.
7 . . ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 . . ,, covered with snow, less than 6 ins., but ground frozen.
9 . . ,, covered with snow greater than 6 ins. deep.

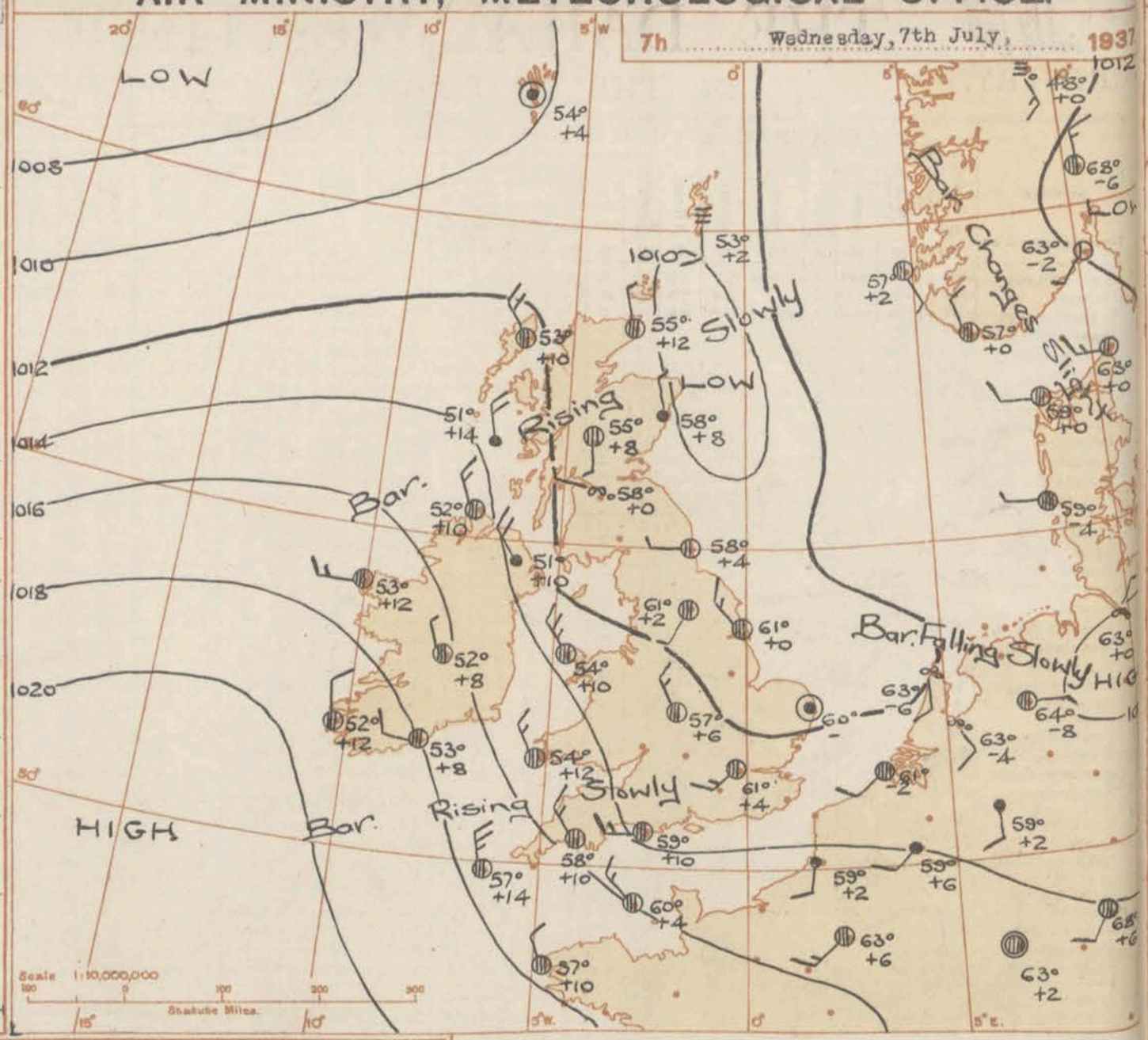
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for Tuesday, 6th July, 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 5th. to 9h. 6th.	Temperature (°F.) Max. 9h.—17h. 6th.	Rainfall (mm.) Night. 17h. 5th. to 9h. 6th.	Rainfall (mm.) Day. 9h.—17h. 6th.	Sunshine (Hrs.) Sunrise to 17h. 6th.	Sunshine (Hrs.) Sunrise to Sunset. 5th.
1	Tunbridge W.	oc	cbc	54	70	5	-	3·4	4·4
	Bournemouth	o	rr.o	54	60	5	2	0·0	3·6
	Ventnor ...	rcod	oudm	54	65	5	0·5	0·1	4·5
	Southsea ...	o	opo	55	62	9	0·2	0·0	4·0
	Bognor Regis	bcobc	o	57	62	5	-	0·3	3·3
	Littlehampton	c	cbcc	56	63	5	-	1·2	2·9
	Worthing ...	c	bcbbc	56	63	6	-	3·0	1·9
	Brighton ...	c	b	56	64	7	-	3·7	2·3
	Eastbourne† ...	c	cbc	56	66	5	-	5·5	1·6
	Hastings† ...	cbcbc	bcbc	54	66	6	-	5·0	2·1
	Folkestone ...	orc	cbcb	54	66	3	-	4·3	1·6
	Dover ...	ocbc	bc	56	65	-	-	4·7	2·7
	Deal	rroac	bccbc	53	68	4	-	2·9	1·6
	Ramsgate ...	c	cbc	55	66	4	-	2·7	0·7
	Margate ...	c	bc	54	70	4	-	2·7	1·0
2	Southend ...	oc	ocbc	55	65	2	-	0·7	4·0
	Maldon ...	ro	c	55	68	2	-	0·2	3·5
	Clacton-on-Sea	orc	c	55	66	2	0·2	0·3	2·8
	Dovercourt ...	roc	oc	53	65	1	-	0·0	2·4
	Lowestoft ...	ccirc	ccir.	55	65	0·2	Trace	0·1	4·5
	Skegness ...	oco	cbcbc	56	66	-	-	0·8	3·8
	Mablethorpe...	bccbc	bcc	55	69	-	-	2·6	4·4
	Cleethorpes ...	cbc	bc	56	74	-	-	5·8	4·2
3	Leamington S.	oc	cp	56	64	0·2	Trace	0·4	0·7
4	Cheltenham†	ocor	or.rc	56	63	Trace	2	0·0	0·8
5	Bath	rrc	rcd.	57	63	2	4	0·0	1·1
	Weymouth ...	dir.	dcf	55	61	5	2	0·0	2·2
	Jersey ...	pcbcc	crc	56	64	0·5	1	1·3	7·9
	Torquay ...	orpdc	cbc	56	63	3	1	1·8	0·0
	Penzance ...	dcc	bcbc	57	66	15	-	4·6	0·3
	St. Ives ...	d	c	52	64	6	-	3·3	0·3
	Bude... ...	r	oc	57	62	11	0·5	0·3	0·0
	Ilfracombe ...	odd	dcbco	56	64	2	1	1·2	0·2
6	Aberystwyth	Psdc	bcc	56	65	0·3	-	1·2	0·0
7	Llandudno ...	c	c	57	63	0·6	-	0·0	0·1
	Colwyn Bay...	bcc	cbcc	57	69	1	-	1·2	0·3
	Rhyl	bcc	cbcc	57	71	-	-	3·4	0·9
8	Wallasey ...	cbc	bc	56	68	-	-	2·8	0·5
	Southport ...	oc	c	56	66	1	-	1·2	1·0
	Blackpool ...	o	oc	56	63	2	-	0·4	1·3
	Morecambe ...	c	dcbbc	55	63	3	Trace	0·8	1·5
9	Ilkley... ...	oc	cbc	57	71	-	-	1·8	1·3
	Harrogate ...	bcc	cb	56	69	Trace	-	3·0	1·9
10	Berwick-on-T.	oco	cr.c	53	64	5	Trace	0·2	0·9
11	Dunbar ...	cr.	bcr.	52	66	8	0·5	0·1	0·9
12	Troon... ...	rocob	bcbcc	54	61	5	0·3	1·6	0·1
	Douglas ...	cbdm	cm	52	60	15	0·3	0·6	0·0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
Sea Disturbance. ~~ Rough. ≈≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light to moderate west to northwest winds; cloudy with occasional rain or drizzle locally; rather cool.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light to moderate northwesterly wind, fresh locally; cloudy with occasional rain or drizzle at first; showery with bright intervals later; rather cool.
10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light to moderate variable to northwesterly winds; cloudy with occasional rain at first; showery later with bright intervals; rather cool.
13 {A. W. Scotld B.N.W.Scotland.	Light to moderate northerly winds, backing towards west; cloudy
14 Mid Scotland 15 N. E. Scotland	with occasional drizzle at first; bright periods and showers later; rather cool.
16 Orkney and Shetland	Light variable winds; local drizzle and fog at first, fair periods later; rather cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate winds, between west and north; local rain at first, showers and bright intervals later; rather cool.

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

GENERAL INFERENCE.

A trough of low pressure extending southwards over the North Sea is moving eastwards slowly. At first, weather will be cloudy generally with local rain or drizzle; later brighter periods and occasional showers will occur in western districts and gradually extend eastwards.

FURTHER OUTLOOK.

Rain at times in the North; probably mainly fair in the South.

Forecasts issued at 0930 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
WEDNESDAY, 7TH JULY.
1004·5
32
1937.

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

B.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 7th July, 1937.
No. 27621

OBSERVATIONS at 1 hr. G.M.T. 7th July, 1937

District	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.	% Humid.	Visibility 0–9	Cloud. Form. Low	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base. (feet)
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1012.6	-6	SW'W	1	o	60	97	6	5	-	-	10	10	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1013.5	-8	SSW	2	dF	59	97	1	-	-	-	10	10	4150
	Manston ...	142	1012.8	-6	SSW	3	c	58	92	7	5	-3	-	7-8	7-8	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1012.3	-4	S'E	2	c	59	92	7	5	2	-	2-3	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1013.3	+2	WNW	3	bc	58	92	8	4	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1015.3	+2	W	3	bc	54	86	8	2	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1015.8	0	WNW	5	bc	55	85	8	8	4	4	2-3	4-6	2500
	Guernsey ..	175	1015.2	+2	WNW	2	c	58	92	8	8	-	-	10	10	2500
6	Pembroke ...	142	1012.4	+4	NW	3	q	56	92	8	8	2	-	7-8	10	1500
7	Holyhead ...	26	1012.1	+6	NW'W	5	c	55	85	8	5	1	-	4-6	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1011.2	0	S'E	2	o	60	97	7	5	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1010.4	0	W	2	bc	59	85	7	2	6	-	4-6	4-6	1500
11	St. Abbs Head	280	1011.0	+4	W	2	c	56	92	7	8	2	-	4-6	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1010.8	+4	W'S	2	c	57	97	8	5	-	-	10	10	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1010.0	+6	NW	4	id	52	97	6	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1008.3	+4	NNW	1	c	54	97	5	5	2	-	9+	10	800
16	Lerwick ...	156	1010.4	-2	S	1	F	53	97	0	-	-	-	10	10	4150
17	Blacksod Point	18	1015.8	0	NW	3	c	53	65	8	5	-	-	10	10	1500
18	Malin Head ...	84	1010.9	+18	W'N	4	f	52	97	3	3	-	-	10	10	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1017.8	+10	SW	3	c	54	92	8	5	-	-	9+	9+	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 7th July, 1937

District	Stations	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	% Humid.	Visibility 0–9	Cloud. Form. Low.	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sea. 0–9
		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	London (Kew)	1013.1	+4	WSW	2	c	61	85	7	5	-	-	5+	5+	2500	1	*
	Croydon ...	1012.8	+4	WSW	3	c	61	85	7	8	3	2	4-6	5+	2500	1	*
	S. Farnborough	1013.2	+8	WSW	3	c	59	85	8	8	3	2	7-8	5+	1500	1	*
	Boscombe Down	1013.4	+2	W'S	2	c	56	97	7	5	-	-	10	10	1500	1	*
	Calshot (Sthmtn.)	1013.9	+6	SWW	2	c	60	92	7	8	-	6	2-3	7-8	2500	1	1
	Lympne ...	1013.5	+6	WSW	1	c	59	97	5	5	-	-	10	10	220	1	§1
	Manston ...	1012.3	+2	SSW	1	c	60	97	6	5	-	-	10	10	450	1	*
2	Shoeburyness ...	1012.8	+6	WSW	2	c	62	85	5	5	-	-	5+	5+	4000	1	*
	Felixstowe ...	1012.5	+2	WSW	1	c	62	85	6	5	3	-	7-8	5+	4000	1	1
	Gorleston ...	1011.7	0	-	0	id	60	97	5	6	-	-	10	10	800	1	1
	Mildenhall ...	1011.8	+2	SW	2	c	61	92	6	5	-	-	10	10	800	1	*
	Cranwell ...	1011.8	+6	NW	1	c	61	85	6	5	-	-	10	10	4000	0	*
3	Birmingham ...	1013.0	+6	NW	3	c	57	85	5	5	3	-	4-6	5	1500	0	*
	Upper Heyford	1013.1	+2	WNW	3	c	58	92	7	5	7	-	5	5+	1500	1	*
4	Ross-on-Wye	1013.3	+10	W	3	c	57	92	8	6	1	-	5+	10	2500	0	*
5	Bristol ...	1013.7	+6	WNW	2	dp	58	92	6	5	7	-	7-8	10	1500	1	*
	Portland Bill ...	1013.8	+10	W	3	c	59	92	3	4	4	-	4-6	10	2500	1	3
	Plymouth ...	1015.5	+10	NW'W	3	c	58	92	8	5	-	-	5+	5+	4000	1	2
	The Lizard ...	1016.9	+10	NW	4	c	55	92	8	8	6	-	5	5+	2500	1	2
	Scilly (St. Mary's)	1017.8	+14	NNW	5	c	57	97	8	5	4	-	2-3	7-8	2500	1	3
	Guernsey ..	1015.8	+4	WNW	3	c	60	85	8	8	-	-	7-8	7-8	2500	1	3
6	Pembroke ...	1015.2	+12	NW	3	q	54	85	8	5	-	-	5+	5+	2500	1	3
7	Holyhead ...	1013.5	+10	NW'W	5	c	54	85	7	5	-	-	10	10	2500	1	3
	Chester (Sealand)	1013.1	+12	WN	4	c	56	85	7	5	3	-	7-8	10	1500	0	*
8	Manchester ...	1012.6	+10	W	3	c	56	92	7	5	-	-	10	10	800	0	*
10	Spurn Head ...	1011.3	0	WNW	3	c	61	92	6	5	2	-	7-8	10	1500	0	2
	Catterick ...	1011.1	+2	SW	1	c	61	75	7	1	3	1	Tr	7-8	4000	0	*
	Tynemouth ...	1010.3	+4	W	1	bc	58	85	6	5	-	-	4.6	4.6	1500	0	1
11	St. Abbs Head	1010.4	+4	-	0	c	59	85	7	2	3	1	4-6	7-8	2500	1	1
	Leuchars ...	1010.1	+4	WSW	1	c	59	92	6	5	2	-	7-8	9+	1500	1	*
12	Renfrew (Abbotsl.)	1010.7	+4	W'N	1	2o	58	92	6	5	3	-	7-8	9+	1500	1	*
	Eskdalemuir ...	1011.1	0	S'W	2	dd	54	97	5	5	2	-	10	10	4150	1	*
	Point of Ayre ...	1011.9	+8	NW'W	4	dd	54	97	6	6	-	-	10	10	800	1	2
13A	Tiree	1013.3	+14	N'W	4	ir	51	92	6	-	2	-	10	10	800	1	3
13B	Stornoway ...	1012.3	+10	NW	4	c	53	85	8	5	7	-	7-8	10	1500	1	2
15	Dalwhinnie ...	1011.4	+8	S	1	c	55	92	6	4	2	-	7-8	10	2500	0	*
	Aberdeen ...	1010.8	+8	N'W	1	id	58	92	6	6	2	-	4-6	10	1500	1	1
	Wick ...	1010.1	+12	NNW	1	c	55	97	8	5	7	-	4-6	10	1500	1	1
16	Lerwick ...	1010.5	+2	S	2	F	53	97	1	-	-	-	10	10	4150	1	*
17	Blacksod Point	1017.3	+12	W	3	c	53	75	8	5	-	-	10	10	1500	1	3
18	Malin Head ...	1014.3	+10	NNW	3	c	52	85	7	8	2	-	7-8	10	1500	1	2
	Aldergrove ...	1013.5	+10	NW'W	4	rorc	51	92	6	5	-	-	10	10	450	1	*
19	Birr Castle ...	1016.2	+8	NW	1	c	52	85	8	5	-	-	5+	5+	2500	1	*
20	Valentia Obsy. †	1015.6	+12	N'N	2	q	52	92	8	5	-	-	5+	5+	1500	1	2
	Roches Point	1013.4	+8	W'N	2	c	53	85	9	5	-	-	9	9	2500	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F.	Min. Night 18h–7h °F.	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 18h–7h Hrs.
		(31)	(32)	(33)	(34)	(35)	(36)
1	London (Kew)	67	59	56	Tr	0·2	0·1
	Croydon ...	66	58	57	0·5	-	0·5
	S. Farnborough	62	55	53	0·2	0·4	0·1
	Boscombe Down	58	52	47	6	Tr	0·0
	Calshot (Sthmtn.)	62	55	52	0·4	0·6	0·0
	Lympne ...	67	57	56	1	0·5	6·0
	Manston ...	69	57	55	3	1	5·6
2	Shoeburyness ...	69	60	58	1	0·6	1·6
	Felixstowe ...	64	59	57	0·2	0·3	0·1
	Gorleston ...	66	58	56	0·4	0·5	0·4
	Mildenhall ...	64	58	58	4	0·1	0·0
	Cranwell ...	70	58	57	0·1	-	2·1
3	Birmingham ...	64	55	53	0·2	Tr	1·6
	Upper Heyford	60	53	49	2	0·1	*
4	Ross-on-Wye	64	54	52	1	Tr	0·3
5	Bristol ...	64	52	46	3	-	0·7
	Portland Bill ...	60	56	*	1	-	*
	Plymouth ...	66	57	55	8	Tr	1·8
	The Lizard ...	64	53	*	3	0·1	*
	Scilly (St. Mary's)	64	54	*	0·1	0·6	6·2
	Guernsey ..	64	55	51	2	-	1·3
6	Pembroke ...	61	53	*	-	-	1·2
7	Holyhead ...	61	54	53	0·1	-	0·8
	Chester (Sealand)	70	55	49	-	Tr	3·0
8	Manchester ...	71	55	52	-	-	5·1
10	Spurn Head ...	65	58	*	-	-	6·0
	Catterick ...	65	52	47	-	-	1·9
	Tynemouth ...	68	55	52	0·2	-	0·9
11	St. Abbs Head	63	55	*	1	-	*
	Leuchars ...	66	54	47	1	Tr	2·2
12	Renfrew (Abbotsl.)	65	56	55	1	-	0·3
	Eskdalemuir ...	61	53	52	2	4	0·1
	Point of Ayre ...	64	53	*	0·5	1	0·1
13A	Tiree	59	51	50	-	1	0·0
13B	Stornoway ...	59	51	*	0·6	0·1	0·0
15	Dalwhinnie ...	57	51	48	2	Tr	0·0
	Aberdeen ...	63	57	54	Tr	1	0·0
	Wick ...	56	52	*	1	-	*
16	Lerwick ...	55	52	*	0·1	0·2	0·0
17	Blacksod Point	60	48	*	0·2	0·2	*
18	Malin Head ...	59	51	*	0·2	11	0·0
	Aldergrove ...	65	51	51	Tr	0·5	0·4
19	Birr Castle ...	63	49	45	0·1	0·5	1·6
20	Valentia Obsy. †	59	52	50	0·2	0·1	0·7
	Roches Point	65	51	*	0·3	-	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Stations	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cr,p,c	c	cr,c	67	53	56	Tr	0·2	0·1	*	*	7
Croydon	217	c,r,c	c,p,r	c,o,c	66	58	57	0·5	-	0·5	*	*	8
Greenwich (Royal Observatory)...	149	c	c	c,r,c	70	57	50	-	1	0·8	70	77	86
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·5	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	67	55	56	0·2		0·4	73	78	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	68	58	55	-	Tr	0·4	73	77	*
Camden Square	110	c	c	*	68	55	54	-	Tr	*	*	73	*
Kensington	80	c,o	c,o	*	67	58	55	Tr	Tr	0·5	At 13h. 76	80	*
Hampstead Observatory	450	o	b,c,p	o,d	65	54	48	Tr	0·1	0·3	*	83	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
<0.0	3	whole	period

Kew Observatory.

Max.	Time.	Min.	Time.
<0.1	whole	period	

FOREIGN OBSERVATIONS.

18h. G.M.T. 6th July, 1937

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1014.1	WNW	3	q,pr	73
Brussels	1014.0	-	0	c	70
Berlin	1012.7	NW	3	b	73
Zürich	1015.0	NW	3	i	73
Rome	1015.3	W	2	b	77

7h. G.M.T. 7th July, 1937

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1015.0	WSW	3	q,d	63
1013.5	WSW	2	ro,rc	59
1013.5	NNW	1	c	63
1015.8	SE	1	2o	66

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
81	-	Tr	
73	57	*	Tr
81	61	-	Tr
84	61	-	-
*	*	-	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

§ hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 ' ¶ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 8th July, 1937.
No. 27622

OBSERVATIONS at 13h. G.M.T. 7th July

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1013·9	+10	WNW	3	c	67	65	7	8	–	–	9+	9+	2500
	Croydon ...	1013·8	+8	W'N	3	c/pr	64	75	8	8	6	3	7-8	9+	4000
	S. Farnborough	1014·4	+10	WNW	4	c	65	65	7	8	3	–	9	9+	2500
	Boscombe Down	1015·2	+12	NW'N	4	c	65	55	8	8	7	–	7-8	7-8	2500
	Calshot (Sthmtn.)	1015·3	+14	W'N	4	bc	67	55	8	8	4	–	4-6	4-6	2500
	Lympne ...	1014·3	+2	SW	4	c	65	65	8	8	–	–	9+	9+	2500
	Manston ...	1013·2	+2	W'N	2	c	67	66	7	8	–	–	9+	9+	1500
2	Shoeburyness ...	1013·9	+2	SSW	2	c	69	55	8	2	9	8	2-3	9	4000
	Felixstowe ...	1012·8	+2	S'W	3	c	69	55	8	8	–	6	4-6	7-8	2500
	Gorleston ...	1012·3	+4	ESE	2	c	63	92	6	8	–	–	7-8	7-8	2500
	Mildenhall ...	1012·3	+4	NW	3	Z_o	67	75	6	8	–	–	9	9	2500
	Cranwell ...	1013·2	+10	W'N	3	Z_o	63	75	6	8	–	–	10	10	4000
3	Birmingham ...	1015·1	+12	NW	3	c	59	75	7	5	–	–	10	10	1500
	Upper Heyford	1014·8	+10	NNW	4	c	65	65	9	8	3	–	4-6	7-8	2500
4	Ross-on-Wye	1015·4	+10	W	4	c	64	55	8	7	–	–	9	9	4000
5	Bristol ...	1016·6	+14	W'S	4	c	62	65	8	8	–	–	9+	9+	2500
	Portland Bill ...	1016·3	+16	WNW	3	bc	65	66	8	4	4	–	2-3	4-6	2500
	Plymouth ...	1014·4	+16	NW	4	c	61	65	8	7	3	–	7-8	7-8	2500
	The Lizard ...	1020·1	+16	NW'N	5	c	60	56	8	8	6	–	4-6	7-8	2500
	Scilly (St.Mary's)	1021·2	+12	NW	4	c	64	55	8	8	3	–	4-6	7-8	2500
	Guernsey ...	1018·1	+14	NW'N	5	bc	63	75	8	1	3	1	2-3	4-6	2500
6	Pembroke ...	1017·8	+8	NNW	3	bc	58	75	8	7	6	–	4-6	4-6	4000
7	Holyhead ...	1016·7	+16	NW'N	4	c	57	75	7	7	–	–	9	9	2500
	Chester(Sealand)	1015·5	+16	W	4	c/r	55	85	7	6	2	–	9	10	800
8	Manchester ...	1014·8	+10	W'N	3	id	56	85	5	6	2	–	7-8	10	1500
10	Spurn Head ...	1012·3	+4	WNW	3	Z_o	66	85	5	5	–	–	9+	9+	800
	Catterick ...	1011·4	+2	WSW	4	bc	68	65	8	2	9	1	2-3	4-6	4000
	Tynemouth ...	1011·7	+4	SE	2	c	60	85	7	9	–	–	7-8	7-8	800
11	St. Abbs Head	1011·2	+6	SE	1	c	61	85	7	8	7	1	7-8	9	1500
	Leuchars ...	1011·5	+4	ENE	2	o	60	85	6	5	–	–	10	10	<150
12	Renfrew (Abbotsl.)	1012·1	+10	NW'N	4	c	62	85	8	5	7	–	7-8	9+	2500
	Eskdalemuir ...	1010·8	0	SW	4	c/r	64	85	6	9	–	1	9	9+	800
	Point of Ayre...	1014·7	+14	NWN	6	c	58	85	8	8	6	–	7-8	9	800
13A	Tiree	1015·7	+12	NW	3	c	58	75	8	2	7	–	1	9+	1500
13B	Stornoway ...	1014·7	+8	NNW	3	ir	53	85	7	5	2	–	7-8	10	1500
15	Dalwhinnie ...	1012·1	+8	S	1	rr	56	92	7	5	2	–	7-8	10	2500
	Aberdeen ...	1012·4	+6	E	2	id	57	92	5	5	–	–	10	10	450
	Wick ...	1011·8	+8	NW	2	c	57	85	8	5	7	–	7-8	9	1500
16	Lerwick ...	1011·3	+4	S	1	d	54	97	5	5	2	–	7-8	10	450
17	Blacksod Point	1015·1	+10	W	3	c	58	75	8	3	–	–	7-8	7-8	2500
18	Malin Head ...	1016·7	+18	N'W	3	c	56	85	7	8	2	–	7-8	9	2500
	Aldergrove ...	1016·2	+14	NNW	4	c	55	75	8	5	7	–	4-6	10	2500
19	Birr Castle ...	1018·5	+12	NNW	1	c	57	65	8	5	2	–	7-8	9+	2500
20	Valentia Obsv. †	1021·6	+10	W	2	bc	59	65	9	7	–	1	4-6	4-6	4000
	Roches Point	1020·4	+8	WNW	2	c	53	65	9	8	–	–	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 8th July

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1015·7	+8	WNW	2	c	66	55	8	8	–	–	9+	9+	2500	0	*
	Croydon ...	1015·3	+4	NW'N	3	c	66	55	8	2	6	–	7-8	9+	4000	0	*
	S. Farnborough	1016·0	+12	WNW	3	c	65	55	8	8	6	–	4-6	7-8	4000	0	*
	Boscombe Down	1016·9	+6	NW	4	bc	62	65	8	8	7	–	4-6	4-6	2500	1	
	Calshot (Sthmtn.)	1016·9	+10	WNW	4	bc	65	65	8	2	4	–	2-3	2-3	2500	0	§2
	Lympne ...	1015·8	+12	NW'W	2	c	63	75	6	8	–	–	9+	9+	5700	0	2
	Manston ...	1014·8	+8	WNW	4	c	64	75	6	5	7	–	7-8	9+	2500	1	
2	Shoeburyness ...	1015·0	+10	NW	2	c	64	65	6	2	9	–	1	7-8	4000	0	*
	Felixstowe ...	1014·0	+10	W'N	4	Z_o	64	75	6	8	–	–	9+	9+	4000	0	3
	Gorleston ...	1013·2	+6	NW'W	2	pr	65	85	6	8	–	–	10	10	2500	1	2
	Mildenhall ...	1014·6	+8	NW	3	c	63	75	7	5	3	–	4-6	9	4000	1	*
	Cranwell ...	1014·9	+10	W	4	c	62	75	7	8	3	–	7-8	9+	2500	0	*
3	Birmingham ...	1017·0	+10	NNW	4	c	57	75	7	5	7	–	4-6	10	1500	0	*
	Upper Heyford	1016·5	+10	NW'N	3	c	62	56	9	7	7	–	2-3	7-8	2500	0	*
4	Ross-on-Wye	1017·2	+6	NW	4	bc	61	56	8	7	6	–	4-6	4-6	4000	0	
5	Bristol ...	1018·2	+10	NW	4	c	60	66	9	4	–	–	7-8	7-8	4000	0	*
	Portland Bill ...	1017·6	+10	WNW	4	bc	60	65	8	4	–	–	4-6	4-6	2500	0	4
	Plymouth ...	1020·0	+6	NW	4	c	58	65	8	5	–	–	9+	9+	2500	1	1
	The Lizard ...	1021·0	+6	NW'W	4	bc	59	65	8	8	–	–	2-3	2-3	2500	0	1
	Scilly (St.Mary's)	1022·0	+2	NW	3	c	60	65	8	4	–	–	7-8	7-8	2500	0	2
	Guernsey ...	1019·9	+4	NW	4	b	61	65	9	–	–	–	0	0	–	0	3
6	Pembroke ...	1018·3	+2	WNW	4	c	57	75	8	5	7	–	7-8	9+	2500	0	2
7	Holyhead ...	1018·0	+6	WNW	4	c	57	75	9	8	–	–	7-8	7-8	4000	1	2
	Chester(Sealand)	1016·9	+4	W'N	4	c	58	75	8	7	–	–	9+	9+	2500	0	*
8	Manchester ...	1016·6	+12	W'N	4	c	57	75	8	7	3	–	7-8	9+	2500	1	
10	Spurn Head ...	1013·1	+8	W'N	5	c	62	85	6	5	8	9	4-6	9	2500	0	4
	Catterick ...	1013·1	+10	W'S	4	c	62	75	8	2	3	1	1	9	4000	0	*
	Tynemouth ...	1012·2	+8	NW	2	c/r	63	75	6	9	–	–	7-8	7-8	800	1	1
11	St. Abbs Head	1012·9	+8	–	0	pr	64	65	6	3	2	–	4-6	10	1500	1	0
	Leuchars ...	1013·1	+8	ENE	2	o	57	92	6	5	–	–	10	10	800	1	*
12	Renfrew (Abbotsl.)	1014·5	+14	WNW	5	c	57	75	9	7	3	–	4-6	9+	2500	1	*
	Eskdalemuir ...	1013·4	+10	NW'N	4	c/r	57	85	7	5	3	–	9+	9+	1500	1	*
	Point of Ayre...	1016·8	+8	NNW	6	c	56	75	8	–	6	–	0	7-8	–	0	3
13A	Tiree	1017·0	+10	NW	3	bc	55	75	8	1	7	2	1	2-3	2500	0	2
13B	Stornoway ...	1016·0	+6	W	3	c	55	75	8	5	7	–	7-8	9+	2500	1	*
15	Dalwhinnie ...	1014·9	+10	S	1	rr	53	85	7	4	2	–	7-8	10	2500	1	
	Aberdeen ...	1014·0	+8	N'W	2	ir	56	97	6	6	2	–	4-6	10	450	1	1
	Wick ...	1014·0	+6	NW	4	c	54	75	8	8	2	–	7-8	10	1500	1	2
16	Lerwick ...	1011·2	0	NW	4	c	57	85	7	8	3	–	4-6	7-8	800	0	*
17	Blacksod Point	1019·7	+2	W	3	c	56	65	8	3	–	–	4-6	7-8	2500	0	2
18	Malin Head ...	1017·9	+10	N'W	3	c	55	75	7	7	5	–	2-3	9+	2500	0	2
	Aldergrove ...	1017·6	+6	NW'N	3	c	58	55	8	7	3	–	2-3	9	4000	1	*
19	Birr Castle ...	1019·3	+4	WNW	1	c	58	65	8	5	1	–	7-8	9+	2500	1	*
20	Valentia Obsv. †	1022·3	+4	W	3	c	57	75	9	8	–	1	7-8	7-8	4000	1	2
	Roches Point	1021·0	+4	NNW	3	c	59	75	9	5	–	–	7-8	7-8	2500	1	2

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 7th. (37)	Weather. 13h.—18h. 8th. (38)	Weather. 18h. 7th. to 1h. 8th. (39)	Weather. 1h.—7h. 8th. (40)
1	London (Kew)	c	c	cbc.	bcb.
	Croydon ...	c	cy	bccbc.	bcwc,b
	S. Farnborough	cpr,c	cbc y	bcbbc.	bcbw
	Boscombe Down	cy	cybcc	cbc	bbc
	Calshot (Sthmtn.)	cbcy	bcy	bcyb.	bbc
	Lympne ...	om,c	cbcc	cbr,b.	bbc
	Manston ...	om,c	cm,	cbc m,	bc m,b
2	Shoeburyness ...	cm,cy	cm,P,	cm, b-c	cbw
	Felixstowe ...	cm,bcc	cybccz,q	cid,bc	bcb
	Gorleston ...	oidcz	cz,pr,	cbcb.	cbc
	Mildenhall ...	cm,ccz,	c	c,b.	bm,bw
	Cranwell ...	cm,zpr,	cz,c	cbcb.	bm,w b.
3	Birmingham ...	c	cbcc	cbc	bc
	Upper Heyford	cm,rdbc	bccy	cbcb.	bwbc
4	Ross-on-Wye	cp,c	cy	bcb.	bwbc
5	Bristol ...	cpr,bc	cbc	c,bw	bwbc
	Portland Bill ...	cbc	bc	bcbc	bc
	Plymouth ...	cid,bcb	bccv	cbcb.	bbcc
	The Lizard ...	cbccy	cbc	bcbw	bbcw
	Scilly (St.Mary's)	cbccy	cbcc	cbc	bcwc
	Guernsey ...	cbc	bcb	bw	bwbcc
6	Pembroke ...	cq,bc	bcc	c	cbcvc
7	Holyhead ...	m,dc	c,bc	bcc	bcc
	Chester(Sealand)	pr,d,r,	dm,c	cbcbw	bbcwm,
8	Manchester ...	cid,	d,d,id,c	c,bcm,w	bcwm,
10	Spurn Head ...	cm,	m,c	cq,bc.	bcco
	Catterick ...	bcc	bcc	cpr,c	c
	Tynemouth ...	bcc	corr	oir,	o
11	St. Abbs Head	cz,rb	cm,P,	m,id, 0	ffir,o.
	Leuchars ...	cm,ddr,	om,ir,	am,rr.	or,m,d.
12	Renfrew (Abbotsl.)	cid,m,c	cbcc	cbcbw.	bcwcr,
	Eskdalemuir ...	d,cpr,c	r,pr,c	bc	bc
	Point of Ayre...	ddc	c	cbcb.	bc.
13A	Tiree	rrr,c	cbc	bc	bcv
13B	Stornoway ...	cpr,id,	cir,pr,	c,	c
15	Dalwhinnie ...	crr	ciR.		ciro.
	Aberdeen ...	iRr,	cd,d,ir	cr,r.	cr,cv
	Wick ...	c	c	c	c
16	Lerwick ...	ffem.	cd,	c	cpr
17	Blacksod Point	bc	bc	c	pr,c
18	Malin Head ...	c	cbc	c	c
	Aldergrove ...	ccir,c	ccy	cbcycw	cvc
19	Birr Castle ...	c	c	c	c
20	Valentia Obsv. †	cbc	bccbcc	cbcc	c
	Roches Point	c	c	cbcw.	bcwc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus
R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⁄ gale.

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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

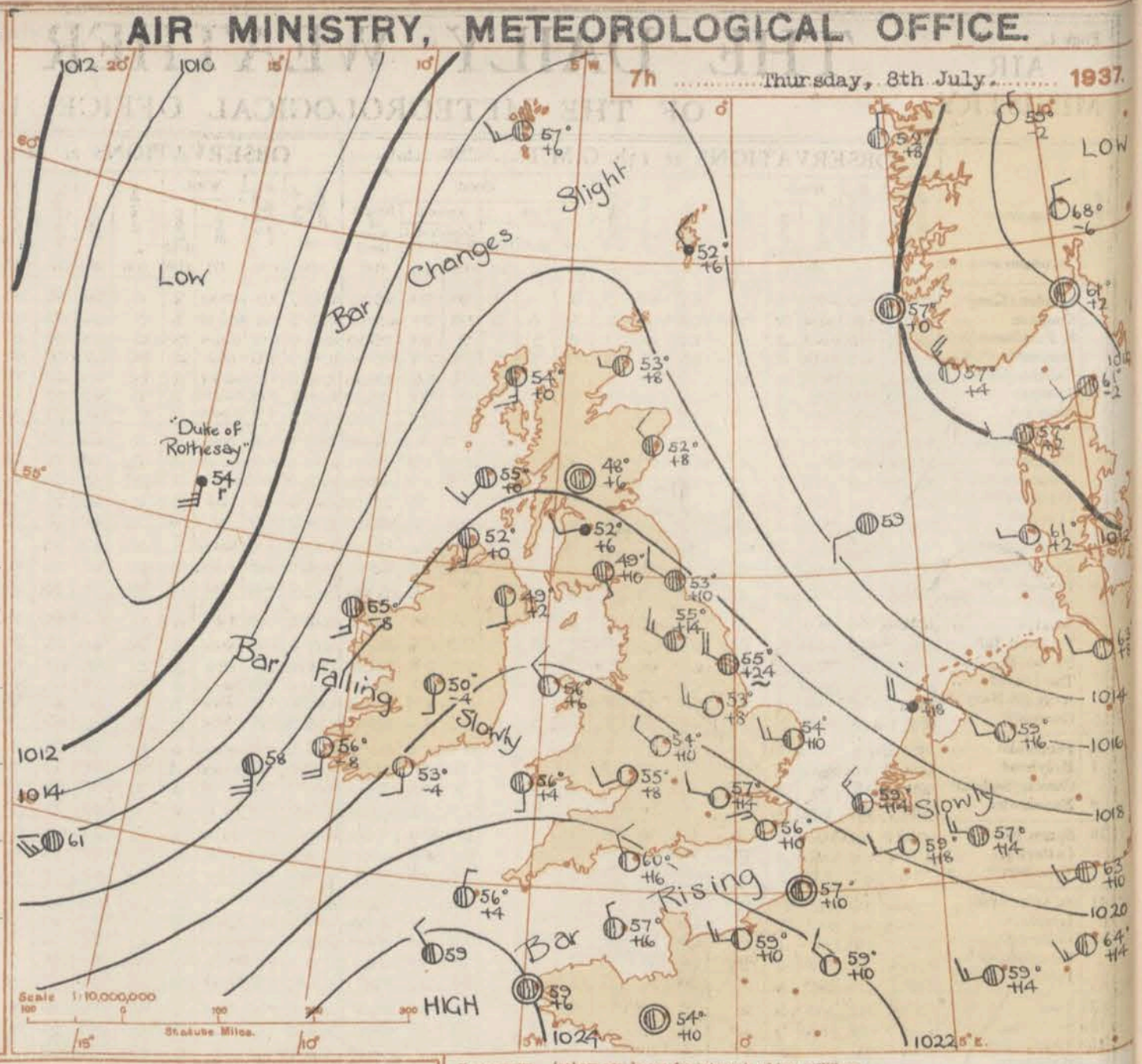
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 7th July 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 6th to 9h. 7th	Temperature. (°F.) Max. 9h.—17h. 7th	Rainfall. (mm.) Night. 17h. 6th to 9h. 7th	Rainfall. (mm.) Day. 9h.—17h. 7th	Sunshine. (Hrs.) Sunrise to 17h. 7th	Sunshine. (Hrs.) Sunrise to Sunset. 6th
1	Tunbridge W.	coc	cbcc	58	70	-	-	3·4	4·7
	Bournemouth	bcb	bcb	54	69	Trace	-	6·3	0·0
	Ventnor ...	rbcpb	b	55	68	4	-	9·5	0·1
	Southsea ...	cbc	cb	57	71	1	-	6·9	0·0
	Bognor Regis	cbcbc	bcb	58	70	3	-	7·2	0·3
	Littlehampton	bc	bc	58	71	2	-	6·6	1·2
	Worthing ...	bbcb	bbcb	59	70	3	-	6·0	3·0
	Brighton ...	bc	b	59	68	3	-	5·4	3·7
	Eastbourne† ...	bc	bccbc	59	67	0·6	-	6·3	6·9
	Hastings† ...	bcbcc	bccbc	58	68	Trace	-	4·2	6·5
	Folkestone ...	cbc	cbcc	57	68	-	-	3·3	6·3
	Dover ...	bc	bcco	59	67	-	-	4·6	5·9
	Deal	o	cbco	57	71	0·5	-	2·0	4·9
	Ramsgate ...	c	c	57	69	0·3	-	0·9	4·8
	Margate ...	c	bcc	58	68	-	-	1·3	4·7
2	Southend ...	c	cpoc	57	74	Trace	Trace	2·4	1·5
	Maldon ...	cb	bcc	59	71	Trace	-	3·4	0·3
	Clacton-on-Sea	bc	bccz	57	69	2	-	4·5	0·8
	Dovercourt ...	ocbc	bc	57	73	1	-	5·1	0·3
	Lowestoft ...	cprc	bccpr	57	69	1	Trace	1·4	0·1
	Skegness ...	o	or$_o$z	59	66	Trace	Trace	0·0	0·9
	Mablethorpe...	bcco	corco	58	68	-	1	1·0	2·6
	Cleethorpes ...	cbc	cbc	60	70	-	-	0·5	8·2
3	Leamington S.	c	c	57	68	0·4	-	1·2	0·4
4	Cheltenham†	oc	c	55	65	-	-	0·5	0·0
5	Bath	cbc	cbcb	57	67	0·3	-	4·8	0·0
	Weymouth ...	cb	bbc	55	69	-	-	3·2	0·0
	Jersey ...	cbc	bc	57	65	-	-	8·3	1·3
	Torquay ...	wbcv	bcbv	56	65	-	-	6·0	2·7
	Penzance ...	bcpcc	bcb	55	64	-	Trace	6·7	6·5
	St. Ives ...	pr	b	55	64	Trace	*	6·5	4·5
	Bude... ...	bccbc	bc	52	62	0·3	-	6·1	1·5
	Ilfracombe ...	pocbc	cbcc	55	60	0·3	-	6·7	1·2
6	Aberystwyth	bcc	bcc	55	60	-	-	1·8	1·3
7	Llandudno ...	oidc	cd$_o$c	53	60	Trace	Trace	0·3	0·2
	Colwyn Bay...	poddo	doc	52	60	1	1	0·1	1·5
	Rhyl	od$_o$c	cd$_o$c	53	60	1	Trace	0·0	3·8
8	Wallasey ...	oc	cbc	55	59	Trace	-	0·0	2·8
	Southport ...	od$_o$	oc	56	58	-	Trace	0·0	2·1
	Blackpool ...	od$_o$	oc	55	59	-	Trace	0·6	0·4
	Morecambe ...	o	c	55	58	0·3	-	0·0	0·8
9	Ilkley... ...	c	c	56	63	-	-	0·1	3·4
	Harrogate ...	c	bcc	56	63	2	-	2·4	3·6
10	Berwick-on-T.	bccbc	bccp$_o$	55	64	-	Trace	4·1	0·3
11	Dunbar ...	bcr$_o$	bc	56	63	0·3	-	1·8	0·1
12	Troon... ...	croc	coc	54	57	2	0·3	0·0	2·4
	Douglas ...	cbdeq	cbq	52	58	1	Trace	3·8	0·6

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~~ Rough ≈≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light northwesterly winds, backing towards southwest; bright periods at first, cloudy with perhaps slight rain later; rather warm today, average temperature tomorrow.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light to moderate west to southwest winds, fresh at times locally; fair at first, occasional rain or drizzle later; average temperature.
10 N.E. England 11 S.E. Scotland	Light westerly winds, backing towards south and freshening; fair at first, occasional rain later; rather cool, temperature rising.
12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B.N.W.Scotland.	As 4 - 9.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	As 10 - 11.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate to fresh south to southwest winds; cloudy, occasional rain or drizzle; average temperature.

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

GENERAL INFERENCE.

A ridge of high pressure moving eastwards across the British Isles will be followed by a complex low pressure system from the Atlantic. Weather will be mainly fair generally at first but rain will soon occur in extreme western districts of Ireland and extend eastwards and northeastwards across the British Isles.

FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
THURSDAY, 8TH JULY,
32
1937.

Clarke's Projection Scale 1: 4X10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—◎

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○Clear sky. ◔Sky less than 3/10 clouded. ◑Sky 4/10 to 6/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✱Snow. ✱Sleet. △Hail ≡Fog. ≡Mist. ϟThunder. ϟThunderstorm. ∞Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 8th July, 1937.

No. 27622

OBSERVATIONS at 1 hr. G.M.T. 8th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1019.4	+12	NW	3	bc	57	75	7	-	3	-	0	4-6	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Stnmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019.3	+14	NNW	3	bc	55	85	7	5	-	-	2-3	2-3	4000.
	Manston ...	142	1018.4	+12	NW	3	c	58	75	6	-	7	-	0	7-8	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1016.6	+6	W	3	b	54	85	7	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Hayford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1020.4	+4	NW	3	bc	56	85	8	4	-	-	2-3	2-3	2500.
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1022.8	0	NW	1	b	49	97	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1023.2	-2	WNW	2	bc	51	92	8	5	-	-	2-3	2-3	2500.
	Guernsey ..	175	1022.4	+4	NNW	1	b	54	85	9	-	3	-	0	1	-
6	Pembroke ...	142	1020.2	+2	NW	2	c	55	85	8	5	-	-	3+	3+	2500.
7	Holyhead ...	26	1020.0	+6	WNW	2	bc	53	85	8	-	4	-	0	2-3	-
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1015.2	+10	WNW	5	bc	56	92	7	-	4	-	0	2-3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1015.2	+8	W	3	c	56	92	7	-	2	-	10	10	1500.
11	St. Abbs Head	280	1015.9	+8	NW	2	r.c.	51	87	5	5	-	-	10	10	800.
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1018.8	+4	NNW	4	b	58	85	8	4	-	-	1	1	4000.
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1016.9	0	WSW	1	c	48	92	8	5	7	-	7-8	9	2500.
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1016.0	+10	NW	1	c	51	92	8	5	-	-	10	10	1500.
16	Lerwick ...	156	1014.2	+8	NNW	2	c	51	92	8	5	7	-	7-8	9	800.
17	Blacksod Point	18	1018.7	-8	S	3	c	54	85	8	5	-	-	10	10	800.
18	Malin Head ...	84	1017.9	+2	W	3	c	53	92	7	8	2	-	7-8	9+	2500.
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1021.7	-6	SSW	3	c	55	85	8	8	-	-	7-8	7-8	800.
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 8th July

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base. (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1021.7	+10	WNW	2	bc	57	75	7	7	4	1	1	2-3	2500.	0	*
1021.6	+14	W'N	2	b	57	75	7	1	3	-	1	1	4000.	0	*
1022.0	+18	WNW	2	b	54	75	8	-	3	1	0	1	-	0	*
1022.4	+8	WNW	1	bc	49	85	7	-	7	1	0	2-3	-	1	*
1022.6	+18	NW'W	3	c	53	75	7	-	3	5	0	7-8	-	0	1
1021.5	+10	NW	3	bc	56	75	7	-	4	1	0	2-3	-	0	1
1020.6	+10	NW	4	b	58	65	8	-	-	1	0	1	-	1	*
1020.7	+14	WNW	3	b	58	65	8	-	-	1	0	1	-	0	*
1020.0	+10	W	1	b	55	65	8	-	-	5	0	Tr	-	0	2
1018.6	+10	W	3	bc	54	85	6	5	5	-	2-3	4-6	2500	1	2
1019.7	+12	W'N	3	bc	54	85	7	-	-	1	0	1	-	1	*
1019.3	+8	W'N	3	b	53	75	7	-	4	-	4-6	1	-	0	*
1021.6	+10	WNW	2	bc	54	75	6	-	-	1	0	2-3	-	0	*
1021.5	+6	NW	2	bc	55	65	8	-	-	6	0	4-6	-	0	*
1021.4	+8	WSW	2	b	55	75	8	-	-	1	0	Tr	-	0	*
1022.3	+6	-	0	bc	55	85	7	5	3	4	Tr	4-6	5700	0	*
1022.0	+16	NNW	2	bc	60	85	8	4	-	-	2-3	2-3	2500.	0	3
1023.0	+6	E	1	c	50	97	8	5	-	-	10	10	4000.	1	0
1023.4	+4	NW'W	1	bc	57	97	8	8	-	1	2-3	2-3	4000.	0	1
1023.5	+4	N'E	1	c	56	85	8	8	6	3	4-6	7-8	2500.	0	1
1023.4	+10	NW'N	1	c	57	85	9	8	-	-	7-8	7-8	4000.	0	1
1020.5	+4	S	1	c	56	85	9	-	7	9	0	7-8	-	0	2
1020.6	+6	NW	2	c	56	75	9	1	9	-	Tr	7-8	2500	1	1
1020.4	+8	W	2	Zo	54	85	6	-	3	-	0	4-6	-	0	*
1020.6	+12	NW'W	1	Zo	54	75	5	1	3	7/1	1	7-8	2500.	1	*
1018.7	+24	WNW	4	o	55	85	7	5	-	-	10	10	1500.	0	4
1019.0	+14	WNW	3	c	55	65	9	5	3	-	9	9	5700	0	*
1016.0	+10	WNW	2	c	53	85	7	-	2	-	10	10	1500.	1	1
1017.7	+8	NW	1	df	50	97	9	5	-	-	10	10	800.	1	2
1017.3	+10	ESE	2	d.c.	50	97	5	5	-	-	10	10	2700	1	*
1018.6	+6	W'S	2	ir.	52	86	9	5	1	1	Tr	3-	2500.	1	*
1019.0	+10	SSE	1	c	49	85	9	5	9	1	1	7-8	2500.	1	*
1019.3	+4	W	1/2	bc	53	85	8	2	3	3	Tr	4-6	4000	0	2
1017.2	0	SSW	3	c	55	85	8	8	6	2	2-3	7-8	1500.	0	2
1016.7	0	S	3	c	54	85	8	8	7	-	7-8	7-8	2500	1	1
1017.9	+6	-	0	c	48	92	7	5	6	-	4-6	10	2500	1	*
1017.8	+8	NW	2	c	52	92	8	5	7	-	7-8	9+	2500.	1	1
1016.8	+8	W	1	c	53	85	8	5	7	-	7-8	9	1500	1	1
1015.2	+6	NW	2	pr.	52	92	8	8	7	-	4-6	7-8	1500	1	*
1016.9	-8	S	3	c	55	92	8	9	-	-	10	10	1500	0	3
1016.0	0	S'W	3	c	52	97	7	8	2	-	7-8	9+	1500	0	1
1019.4	+2	S	2	c	49	85	8	5	7	-	Tr	9+	1500	1	*
1019.9	-4	S	1	c	50	92	8	5	2	-	4-6	10	2500	1	*
1019.6	-8	S	4	c	56	85	9	9	2	-	4-6	10	1500	1	2
1021.2	-4	S	2	c	53	92	9	5	7	-	4-6	10	2500	1	1

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 7th Hrs. (36)
68	53	45	-	-	4.4
68	52	46	Tr.	-	(3.3)
69	46	38	Tr.	-	4.1
67	45	39	-	-	7.4
69	48	45	-	-	8.8
67	50	48	-	Tr.	3.5
69	54	51	-	-	0.7
71	49	44	Tr.	-	5.0
72	52	45	-	Tr.	4.2
67	50	49	0.5	1	1.5
70	46	45	-	Tr.	2.5
65	46	43	Tr.	-	0.5
66	49	44	-	-	1.2
67	44	35	Tr.	-	*
65	45	38	Tr.	-	3.6
65	43	35	Tr.	-	5.2
66	53	.*	-	-	*
61	46	40	Tr.	-	4.6
62	49	*	-	Tr.	*
64	50	*	-	-	8.7
65	51	43	-	-	12.8
59	50	*	-	-	6.3
59	52	48	Tr.	-	1.0
58	44	38	Tr.	-	0.5
58	37	33	Tr.	-	0.0
68	53	*	-	-	2.0
68	51	43	-	Tr.	7.3
65	49	*	Tr.	4	*
62	50	50	0.2	10	0.0
62	47	47	Tr.	Tr.	2.6
64	40	33	3	-	0.6
60	50	*	1	-	5.5
58	49	45	2	-	4.7
58	47	*	0.6	-	1.0
60	46	45	25	0.5	0.0
59	50	49	12	3	0.0
58	53	*	-	-	*
59	48	*	7	Tr.	0.3
58	52	*	-	0.2	*
57	50	*	-	-	4.8
58	43	38	Tr.	-	2.4
61	44	35	-	-	3.8
60	50	44	-	-	4.0
61	47	*	-	Tr.	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	c	c	cbc	68	53	45	-	-	4.4	*	*	8
Croydon	217	c	cy	bc wc	68	52	46	Tr.	-	*	*	*	8
Greenwich (Royal Observatory)...	149	c	c	cby	72	52	42	-	-	2.1	63	47	8.
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2.0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	69	52	47	-	-	2.7	65	51	*
Regent's Pk. (Botanic Gardens)‡...	168	*	*	*	69	51	45	-	-	2.7	65	35	*
Camden Square	110	c	c	*	70	51	45	-	-	*	*	49	*
Kensington	80	c	bbc	*	68	52	45	-	-	2.2	At 18h. 63	50	*
Hampstead Observatory	450	bc	bc	bc	66	48	42	-	-	3.0	*	57	*

FOREIGN OBSERVATIONS

18h G.M.T. 7th July

7h. G.M.T. 8th July

Stations.	18h Barom. mb.	18h Wind. Direc.	18h Wind. Force.	18h Weather.	18h Temp. °F.	7h Barom. mb.	7h Wind. Direc.	7h Wind. Force.	7h Weather.	7h Temp. °F.
Paris	1017.5	WNW	3	c	68	1022.2	NW	2	b	59
Brussels	*	WSW	3	c	66	1020.1	W'S	2	b	59
Berlin	1012.1	NW	1	c	54	1013.1	-	0	Zo	61
Zürich	1016.2	WNW	3	c	72	1020.7	NW	2	c	64
Rome	1016.1	W	1	b	77					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
72	54	-	-
68	54	2.	1
*	*	-	6.
*	*	2.	-
*	*	-	

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

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

Kew Observatory. Max.	Time.	Min.	Time.
0.1	23h 7th	<0.1	14-18h 7th

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	,,
2	Fog	550	,,
3	Moderate fog	1,100	,,
4	Mist or haze	1½	miles.
5	Poor visibility	2½	,,
6	Moderate ,,	6½	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

0	Calm.	5	Very rough
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Precipitous.
4	Rough.	9	Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

* 1 hr. observations are from Valentia W/T Station. † Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‡ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 9th July, 1937.
No. 27623

OBSERVATIONS at 13h. G.M.T. 8th July, 1937

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1021·4	−4	SW	2	c	66	45	8	1	–	4	4·6	7·8	4000
	Croydon ...	1021·4	−6	SW's	2	bc	67	45	8	1	–	1	2·3	4·6	5700
	S. Farnborough	1021·7	−6	W'N	3	bc	66	45	9	1	–	1	4·6	4·6	5700
	Boscombe Down	1021·5	−4	WNW	2	c	64	45	8	7	–	4	4·6	9	5700
	Culshot (Sthmtn.)	1022·4	−6	SSW	4	bc	68	55	8	7	3	1	4·6	4·6	4000
	Lympne ...	1022·1	−2	WSW	2	c	65	55	8	7	–	–	7·8	7·8	4000
	Manston ...	1021·7	+2	NW'W	3	bc	68	45	8	4	–	–	4·6	4·6	5700
2	Shoeburyness ...	1021·3	−4	WNW	2	bc	68	45	8	4	–	1	2·3	2·3	4000
	Felixstowe ...	1021·0	+2	WSW	3	bc	68	55	8	8	–	4	4·6	4·6	4000
	Gorleston ...	1020·0	+6	NNE	2	c	64	75	6	8	–	–	7·8	7·8	2500
	Mildenhall ...	1020·5	+2	W	2	c	66	55	8	1	–	2	4·6	7·8	5700
	Cranwell ...	1019·6	−2	W	2	c	67	45	7	7	4	6	7·8	9	4000
3	Birmingham ...	1020·5	−2	W	3	c	65	45	8	–	8	8	0	7·8	–
4	Upper Heyford	1021·3	−6	WNW	3	bc	65	45	9	7	–	6	4·6	4·6	4000
	Ross-on-Wye	1021·0	0	W	3	c	65	55	8	7	–	–	7·8	7·8	4000
5	Bristol ...	1022·2	−4	WNW	3	c	64	58	8	7	–	6	2·3	7·8	2500
	Portland Bill ...	1022·5	−2	WSW	3	c	60	85	8	4	4	–	4·6	7·8	2500
	Plymouth ...	1023·0	−2	SW's	3	c	61	75	8	5	7	7	2·3	9+	4000
	The Lizard ...	1022·8	−2	SSW	2	c	64	65	8	8	6	1	7·8	7·8	2500
	Scilly (St.Mary's)	1022·7	−4	SW's	3	c	61	75	8	8	7	–	4·6	7·8	2500
	Guernsey ...	1023·8	0	NW	1	c	60	65	9	8	1	–	7·8	9	2500
6	Pembroke ...	1020·9	−2	SW'W	3	c	59	75	9	5	7	–	2·3	7·8	2500
7	Holyhead ...	1020·6	−2	SW	4	c	56	75	9	7	9	–	4·6	10	4000
	Chester(Sealand)	1020·4	−2	NW	2	c	64	55	7	7	3	–	4·6	7·8	4000
8	Manchester ...	1020·6	−2	W'N	3	c	64	46	8	1	4	6	2·3	9	2500
10	Spurn Head ...	1019·4	+4	ENE	3	c	64	75	7	5	7	–	4·6	9	2500
	Catterick ...	1019·2	−2	WNW	2	c	65	48	9	7	–	5	7·8	9	4000
	Tynemouth ...	1019·0	+4	NE	2	bc	56	65	8	2	–	2	4·6	4·6	1500
11	St. Abbs Head	1018·6	+4	SE	2	c	53	52	7	3	7	1	2·3	7·8	1500
12	Leuchars ...	1017·9	−2	SE	2	c	57	65	8	8	7	–	7·8	7·8	1500
	Renfrew (Abbotsl.)	1018·4	0	SW	3	c	58	66	9	8	7	–	4·6	10	4000
	Eskdalemuir ...	1018·9	0	SW	4	c	55	75	8	5	–	–	10	10	2500
	Point of Ayre...	1019·8	0	W	3	c	59	75	8	6	1	–	4·6	10	2500
13A	Tiree	1016·8	−2	SSW	4	c	56	80	8	8	7	6	4·6	10	800
13B	Stornoway ...	1016·1	−2	SSE	4	c	56	85	9	8	7	–	7·8	9	1500
15	Dalwhinnie ...	1017·7	0	S	3	c	56	92	8	5	6	–	4·6	10	4000
	Aberdeen ...	1018·6	+4	S	2	c	55	75	6	1	7	–	2·3	10	1500
	Wick ...	1017·3	+2	S	3	c	54	85	8	8	1	–	7·8	9	1500
16	Lerwick ...	1016·2	0	WNW	4	c	55	75	8	7	4	–	4·6	7·8	1500
17	Blacksod Point	1014·3	−12	S	4	ir	55	92	7	6	–	–	10	10	800
18	Malin Head ...	1017·3	−10	SSW	2	c	55	92	7	8	1	–	7·8	9	1500
	Aldergrove ...	1018·8	−4	S'W	2	ir	55	85	8	5	7	–	9	10	1500
19	Birr Castle ...	1018·5	−6	S	1	c/r	56	85	8	5	2	–	7·8	10	2500
20	Valentia Obsy. †	1016·9	−10	S	5	RR	56	97	6	6	–	–	10	10	800
	Roches Point	1019·5	−10	SSW	3	c	57	85	9	6	7	–	4·6	10	1500

OBSERVATIONS at 18h. G.M.T. 8th July, 1937

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1020·1	+6	W'N	2	c	67	45	8	7	1	9	4·6	10	4000	0	*
	Croydon ...	1020·2	−4	W'S	2	c	67	45	8	4	–	7	4·6	10	5700	0	*
	S. Farnborough	1020·2	−4	W'N	2	c	65	55	6	5	3	2	4·6	9+	5700	0	*
	Boscombe Down	1020·3	−6	W'S	2	c	62	55	8	7	–	6	9+	9+	4000	0	*
	Culshot (Sthmtn.)	1021·7	−2	SW'S	4	c	62	65	8	7	3	6	Tr	7·8	4000	0	2
	Lympne ...	1021·6	+2	SW'S	3	c	60	65	8	–	–	6	0	7·8	–	0	2
	Manston ...	1020·3	−3	S'E	2	bc	64	55	8	1	–	6	Tr	4·6	4000	0	*
2	Shoeburyness ...	1020·2	−4	–	0	c	66	55	7	4	5	8	1	9+	4000	0	*
	Felixstowe ...	1020·0	−2	WSW	2	c	63	45	8	5	7	3	4·6	9	2500	0	2
	Gorleston ...	1019·5	−2	ESE	3	c	62	85	6	–	7	–	0	7·8	–	0	2
	Mildenhall ...	1019·3	−4	WNW	1	c	67	55	8	1	–	6	4·6	9+	5700	0	*
	Cranwell ...	1019·3	0	W	3	c	65	55	8	6	3	–	4·6	10	4000	0	*
3	Birmingham ...	1019·4	−4	WNW	2	c	62	55	7	–	78	–	0	10	–	0	*
4	Upper Heyford	1020·4	−2	W'S	3	c	64	55	8	7	3	6	1	9	5700	0	*
	Ross-on-Wye	1020·2	−6	W	3	c	61	55	8	7	2	–	4·6	9+	4000	0	*
5	Bristol ...	1021·0	−2	W	3	c	61	65	8	5	7	6	4·6	9+	4000	0	*
	Portland Bill ...	1021·5	−6	WSW	3	c	60	75	8	4	4	–	4·6	9	2500	0	2
	Plymouth ...	1021·7	−6	SW'S	3	c	59	85	8	8	9	8	4·6	9	4000	1	1
	The Lizard ...	1022·0	−10	SW'S	2	c	59	85	8	8	6	–	7·8	9	2500	0	2
	Scilly (St.Mary's)	1021·0	−8	SW	4	c	60	75	8	4	5	9	1	7·8	2500	0	2
	Guernsey ...	1023·0	−6	WNW	1	c	60	75	9	5	1	–	4·6	9	2500	0	1
6	Pembroke ...	1019·5	−8	SW	4	c	58	75	8	5	7	–	4·6	9+	2500	0	2
7	Holyhead ...	1018·7	−14	SSW	3	r₀	55	85	9	5	2	–	1	10	4000	1	1
	Chester(Sealand)	1019·6	−10	W'N	2	c	59	65	7	5	2	–	7·8	10	4000	0	*
8	Manchester ...	1020·0	−4	WNW	2	c	57	65	8	6	2	–	7·8	10	2500	0	*
10	Spurn Head ...	1019·1	−4	E'S	2	c	57	97	7	5	2	–	4·6	9+	2500	0	1
	Catterick ...	1019·0	−2	W'S	2	c	60	55	9	5	7	–	4·6	10	4000	0	*
	Tynemouth ...	1018·8	−6	SE	2	c	53	85	7	6	–	–	9	9	800	1	1
11	St. Abbs Head	1017·6	−10	WSW	3	ir	56	85	7	4	6	–	7·8	10	1500	1	2
12	Leuchars ...	1017·5	−4	WSW	3	ir₀	57	75	6	–	2	–	10	10	4000	1	*
	Renfrew (Abbotsl.)	1017·6	−6	SSW	3	rr	53	85	6	3	2	–	9	10	2500	1	*
	Eskdalemuir ...	1018·9	−2	SW'S	3	r₀r₀	50	92	7	5	2	–	4·6	10	1500	1	*
	Point of Ayre...	1018·6	−12	SSW	1	rr	53	92	8	6	–	–	10	10	2500	1	1
13A	Tiree	1015·2	−12	S	4	id₀	55	92	7	6	2	–	4·6	10	450	1	3
13B	Stornoway ...	1015·2	−8	S	5	c	55	85	9	8	7	–	9	9+	2500	1	3
15	Dalwhinnie ...	1016·7	−10	S	2	c	53	85	7	5	2	–	7·8	10	2500	0	*
	Aberdeen ...	1016·5	−6	S	2	c	53	85	7	5	7	–	7·8	9+	2500	1	1
	Wick ...	1016·5	−2	S	3	bc	54	85	8	7	4	–	2·3	2·3	2500	1	1
16	Lerwick ...	1016·2	+2	W	3	c	53	85	8	5	7	–	4·6	7·8	1500	0	*
17	Blacksod Point	1012·3	−10	S	4	c	58	92	8	10	–	–	10	10	800	0	3
18	Malin Head ...	1015·2	−16	S	2	r₀r₀	55	97	7	8	1	–	7·8	9	1500	1	1
	Aldergrove ...	1016·5	−14	SE	3	r₀r₀	54	92	7	5	7	–	1	10	800	1	*
19	Birr Castle ...	1015·2	−26	S	1	c/r	57	85	8	5	2	–	7·8	10	2500	1	*
20	Valentia Obsy. †	1014·2	−8	SW'S	4	dd	59	97	6	5	–	–	10	10	450	1	3
	Roches Point	1016·5	−22	S'E	4	dr	55	97	6	5	–	–	10	10	450	1	3

PAST 24 HOURS.

Weather. 7h.—13h. 8th. (37)	13h.—18h. 8th. (38)	18h.—1h. 8th.–9th. (39)	1h.—7h. 9th. (40)
bbcey	cy	c.	cyc
bcy	bcy⊕c	cybcc	c.
bvycbc	bcvcy	cyc	cjpc
bccy	cy	c	c
bcbby	bcycy	cbcc	c
bcybcy	bcy	bcyc	c
bbcy	bcy	bcycbc	bcc
bwbcy	bccy	cyc	cbwc
bbcy	bcycy	cybcc	cbcc
bcc	cbcc	c	cbc
bbccy	cy	cyc	cbcm₀
bbcc	c	c	cbcwc
bc	bcc	cpr₀	cr₀
bcy	bccy	c	cir₀c
bbccy	ccy	c	cp₀op
bccy	cy	c	cr₀
bcc	c	c	co
c⊕	cbcy⊕	cr₀c	odd₀rrR
bcc	cbcc	co	orfrf.
c	cbcc	d₀d₀m	dfdfc
c	c	cbcbw	bwbco
cx	cfp₀c	cqir	
cy⊕	r₀r₀c	r₀r₀m₀c	dRd₀m₀a
bcmbcy⊕	cyr₀	cr₀r₀	crrm₀
bcz₀c	cid₀c	cir₀r₀m₀	cir₀d₀m₀
cbcc	c	copr₀	c
cbcc	cy	yr₀r₀rr	cm₀
cbc	bcc	or₀r₀	oir₀
c	ir₀c	crr	crrm₀
cddm₀c	dr₀m₀	omr₀r₀a	cd₀d₀
r₀c	ccm₀rr	rrr₀r₀c	ir₀ddf
bcc	cr₀r₀	cr₀r₀	cr₀d₀d₀
bcc	corr	rr	bir
cvpr	cid₀	cid₀	RRv
c	c	cpr₀	cpr₀
c	c	*	c
cir₀c	cbcc	cr₀r₀	cr₀c
c	cbc	c	c
cpr	c	cbc	cwif
ir₀	pr₀c	cpr₀c	pre
c	cr₀r₀	c	cpre
cir₀c	cir₀r₀r₀	cr₀r₀c	cd₀rr₀
cir₀	cir	circ	c
ir₀rrRR	RRrrdd	oddd₀	cpr₀c
cir₀c	rrdrdr	dddfdf.	dfcpc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fa, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r₀, slight rain. rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ⸗ gale.

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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 . . Ground dry.
1 . . ,, wet.
2 . . ,, flooded.
3 . . ,, frozen hard and dry.
4 . . ,, partly covered with snow or hail.
5 . . ,, covered with ice or glazed frost.
6 . . Ground covered with thawing snow.
7 . . ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 . . ,, covered with snow, less than 6 ins., but ground frozen.
9 . . ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† See disturbance reported from Dungeness.

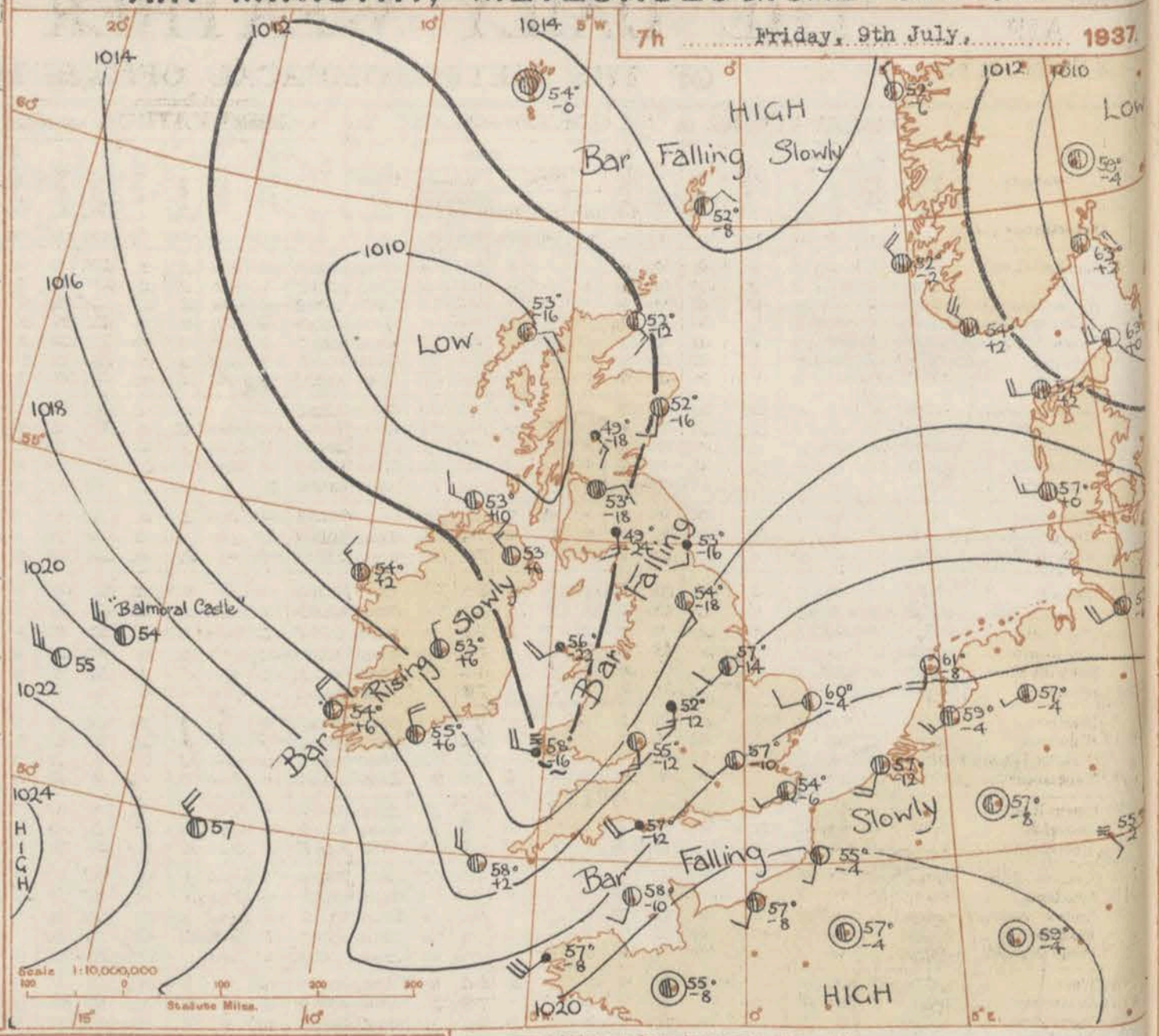
REPORTS from HEALTH RESORTS for Thursday, 8th July, 1937.

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 7th. to 9h. 8th.	Temperature (°F.) Max. 9h.—17h. 8th.	Rainfall (mm.) Night. 17h. 7th. to 9h. 8th.	Rainfall (mm.) Day. 9h.—17h. 8th.	Sunshine (Hrs.) Sunrise to 17h. 8th.	Sunshine (Hrs.) Sunrise to Sunset. 7th.
1	Tunbridge W.	bcc	bc	43	70	–	–	10·8	5·0
	Bournemouth	bbc	bc	46	67	–	–	7·2	8·9
	Ventnor ...	cbbc	bobc	51	65	–	–	8·7	11·5
	Southsea ...	bcb	b	58	69	–	–	8·5	3·4
	Bognor Regis	bc	bc	50	65	–	–	7·8	3·5
	Littlehampton	bc	bc	49	64	–	–	7·5	3·1
	Worthing ...	bcbbc	bcb	52	66	–	–	6·4	8·4
	Brighton ...	bc	b	53	66	–	–	6·2	7·4
	Eastbourne† ...	bcbcy	bcy	54	67	–	–	8·2	7·3
	Hastings† ...	bcc	bcbbc	52	66	–	–	7·4	5·6
	Folkestone ...	bbcc	cbcb	55	66	–	–	9·0	3·5
	Dover ...	ycbcc	cbc	54	65	–	–	10·1	4·6
	Deal	bbc	cbbbc	56	70	–	–	10·4	2·4
	Ramsgate ...	bbc	bc	55	67	–	–	10·9	0·9
	Margate ...	bc	bbc	55	67	–	–	12·4	1·3
2	Southend ...	b	bbcc	50	73	–	–	11·2	3·2
	Maldon ...	b	b	51	69	–	–	11·4	3·4
	Clacton-on-Sea	by	bbc	49	67	–	–	12·3	4·5
	Dovercourt ...	bcbcy	bcbcy	52	70	–	–	12·7	5·1
	Lowestoft ...	b	b	50	67	Trace	–	10·0	1·4
	Skegness ...	bc	bc	47	65	–	–	3·7	0·0
	Mablethorpe...	cb	cbcc	49	63	–	–	3·1	1·3
	Cleethorpes ...	cbc	bcc	53	66	–	–	3·4	1·0
3	Leamington S.	bc	bcc	46	69	–	–	10·1	1·9
4	Cheltenham†	bcybc	bcc	44	68	–	–	9·2	1·5
5	Bath	cbc	bcc	43	67	–	–	6·7	5·6
	Weymouth ...	bcc	cbc	47	65	–	–	5·0	9·3
	Jersey ...	cbc	cbc	54	64	–	–	4·7	11·0
	Torquay ...	wocbc	cbwy	47	64	–	–	1·8	7·1
	Penzance ...	bbc	bc	49	65	–	–	8·4	8·8
	St. Ives ...	c	c	53	64	–	–	4·0	3·1
	Bude... ...	c	bcc	56	64	–	–	3·3	7·4
	Ilfracombe ...	bcbbc	bccbc	56	63	–	–	2·7	7·0
6	Aberystwyth	bc	bcc	56	62	–	–	5·7	2·0
7	Llandudno ...	bcc	ccr.	51	61	–	Trace	4·1	0·8
	Colwyn Bay...	bcc	c	47	61	–	–	4·4	0·7
	Rhyl	bbcc	Carc	45	60	–	Trace	4·0	1·1
8	Wallasey ...	bbc	bcc	53	61	–	–	5·1	0·6
	Southport ...	bbcc	ocob.	51	62	–	Trace	5·6	0·1
	Blackpool ...	bbc	cobo	53	61	–	Trace	6·6	1·3
	Morecambe ...	b	cbcc	52	61	–	–	6·7	0·8
9	Ilkley... ...	bc	co	48	65	–	–	5·1	0·1
	Harrogate ...	bcb	c	40	64	–	–	4·6	2·7
10	Berwick-on-T.	oc	co	43	58	2	–	1·2	4·1
11	Dunbar ...	bcr	cr.	49	59	12	0·3	1·8	1·8
12	Troon... ...	bcbbc	coror	46	57	–	1	3·7	0·9
	Douglas ...	bc	cr	46	60	–	0·5	3·3	5·3

† Max. Temp. for period 21h. yesterday to 17h. 8th. Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Friday, 9th July, ... 1937.



Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
Sea Disturbance. ~~ Rough. ≈≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light to moderate southerly winds, veering west or northwest; cloudy with occasional rain at first, fair periods later; rather cool.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Moderate northwesterly winds, fresh locally; rain at first, bright periods and thundery showers later; rather cool.
10 N.E. England 11 S.E. Scotland	As 1 - 3.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland	Light to moderate variable to northwesterly winds; occasional rain, some bright periods; rather cool.
16 Orkney and Shetland	Light to moderate easterly or variable winds; bright periods, showers; local fog; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate northwesterly winds, fresh at times locally; cloudy with bright periods, local thundery showers; average temperature.

GENERAL INFERENCE.

A trough of low pressure, moving eastwards across the British Isles, will be followed by a ridge of high pressure from the Atlantic. At first weather will be cloudy with rain at times in most areas, but later brighter intervals will occur in Ireland and gradually extend eastwards.

FURTHER OUTLOOK.

Showery in the East; probably fair in the West.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
FRIDAY 9TH JULY,
1937.

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

Clarke's Projection Scale 1: 4x10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 9th July, 1937.
No. 27623

OBSERVATIONS at 1 hr. G.M.T. 9th July 1937

District	Station	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1019.9	-10	WSW	2	c	56	75	8	-	3	-	0	3	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020.2	-14	WS	2	c	52	85	8	-	-	6	0	3	-
	Manston ...	142	1019.57	-10	SW	1	bc	53	85	8	-	7	-	0	2-3	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018.3	-10	SSW	2	c	58	85	7	5	-	-	9+	9+	2500.
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1019.8	-12	WSW	5	c	57	85	8	4	-	-	7-8	7-8	2500.
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1019.1	-12	SSW	4	o	58	85	8	5	-	-	10	10	2500.
	Scilly (St. Mary's)	163	1017.4	-22	SW	5	d.d.	57	97	4	5	-	-	10	10	800.
	Guernsey ..	175	1021.9	-10	-	0	b	53	92	9	-	-	-	0	0	-
6	Pembroke ...	142	1016.0	-12	SSW	5	ir	56	92	7	8	-	-	9+	9+	1500.
7	Holyhead ...	26	1015.1	-22	S	4	r.r.	56	97	5	5	2	-	4-6	10	450.
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018.1	-6	-	0	9/pr	57	97	6	5	-	-	10	10	1500.
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1017.2	-10	S	2	c/r.	51	92	7	-	2	-	10	10	800.
11	St. Abbs Head	280	1015.6	-20	SW	3	r.r.	49	97	7	5	2	-	7-8	10	1500.
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1015.2	-16	SSW	3	ir	54	97	6	6	-	-	10	10	2500.
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1012.6	-12	SSE	3	c	52	92	7	5	7	-	7-8	9+	1500.
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1014.4	-12	S	3	c	51	97	8	8	1	-	7-8	9	1500.
16	Lerwick ...	156	1016.1	-2	-	0	bc	50	97	8	5	-	-	2-3	2-3	1500.
17	Blacksod Point	18	1015.4	+10	W	3	bc	52	85	8	3	-	-	4-6	4-6	1500.
18	Malin Head ...	84	1009.3	-15	SW	4	c	55	97	7	8	-	-	9	9	2500.
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1015.7	+6	WN	3	c	53	92	7	8	-	-	7-8	7-8	800.
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 9th July 1937

District	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	1017.6	-8	SW	2	c	60	75	8	5	7	-	4-6	9+	4000	0	*
	1018.2	-10	SSW	2	c	57	75	8	5	7	-	4-6	9+	4000.	0	*
	1017.8	-4	SSW	2	c	56	85	7	5	7	-	2-3	9+	2500	0	*
	1017.4	-10	S'W	3	c	55	92	7	7	7	-	7-8	9+	4000	0	*
	1018.4	-10	SSW	4	c	59	85	8	8	7	-	4-6	9+	1500	0	2
	1019.2	-6	WSW	1	c	54	75	9	5	3	-	2-3	9+	7200.	0	1
	1017.8	-10	WS	3	c	57	75	8	-	3	-	0	3	-	0	*
2	1018.2	-8	SW	2	c	59	75	8	5	-	-	9+	9+	4000	0	*
	1017.8	-2	W	2	c	59	75	7	5	3	-	4-6	7-8	4000	0	1
	1016.8	-4	W'S	2	bc	60	75	6	-	3	-	0	4-6	-	0	2
	1017.0	-6	WSW	2	c	58	75	7	5	3	-	2-3	7-8	5700	0	*
	1016.2	-14	SSW	2	c	57	75	8	5	5	6	Tr.	9+	4000	0	*
3	1015.9	-12	S	3	r.r.	52	92	6	6	2	-	2-3	10	800	1	*
	1017.2	-14	S	2	c	55	85	9	5	9	-	1	10	1500	0	*
4	1015.2	-14	S	3	c/pr	56	92	7	6	2	-	4-6	10	1500.	1	*
5	1016.2	-18	SSW	4	ir.	57	85	7	5	1	-	4-6	10	1500	0	*
	1017.3	-12	SW	4	pr.	57	92	7	5	-	-	10	10	1500	1	3
	1015.8	-18	S	4	d.d.	57	97	5	-	2	-	10	10	450	1	3
	1015.4	-10	SW'W	4	r.s.	58	97	2	5	-	-	10	10	450	1	3
	1015.7	+2	WNW	4	c	58	97	7	8	-	-	7-8	7-8	1500.	1	3
	1020.1	-10	SSW	2	c	58	85	9	5	-	-	9	9	2500.	0	1
6	1011.5	-16	W'N	4	df	58	97	2	5	-	-	10	10	800.	1	4
7	1011.2	-22	SW	4	d.d.	56	97	5	5	-	-	10	10	450.	1	3
	1013.1	-22	SE	3	rr	52	92	6	-	2	-	10	10	2500.	1	*
8	1014.3	-20	S'E	3	rr	58	92	5	-	2	-	10	10	800.	1	*
10	1015.4	-10	S	2	c	58	92	7	5	7	-	4-6	9+	4000.	0	1
	1013.6	-18	SSE	2	c/r	54	85	6	5	7	-	7-8	10	2500.	1	*
	1013.4	-16	S	2	ir.	53	85	5	6	-	-	10	10	800.	1	1
11	1012.7	-20	SE	3	c/r	49	97	6	6	2	-	4-6	10	800.	1	1
	1012.1	-18	ESE	2	d.d.	52	92	7	5	2	-	4-6	10	450.	1	*
12	1010.3	-18	E'N	2	m/d.	53	97	4	5	-	-	10	10	800.	1	*
	1011.5	-24	S	3	d.d.	49	97	6	-	2	-	10	10	450	1	*
	1010.3	-20	WSW	3	ir.	57	97	7	6	-	-	10	10	800.	1	3
13A	1009.0	0	NW	4	c	53	85	8	8	7	-	1	7-8	1500.	1	3
13B	1009.8	-16	ENE	2	c	53	92	8	5	7	-	7-8	9+	2500	1	1
15	1011.5	-18	SE	3	ir	49	85	7	4	7	-	7-8	10	2500.	0	*
	1012.2	-16	SW	2	c	52	85	7	5	3	4	2-3	7-8	1500	1	1
16	1011.0	-12	SE	3	c	52	97	8	5	1	-	9	10	1500.	1	1
	1014.6	-8	NE	2	c	52	92	8	8	9	2	4-6	7-8	1500.	0	*
17	1013.8	+2	NW	3	c	54	85	8	9	-	-	7-8	7-8	1500.	1	3
18	1010.9	+10	W'N	5	c	53	97	7	8	-	-	7-8	7-8	2500.	1	2
	1011.3	+6	NW	3	c/r	53	92	8	5	7	-	1	9+	800.	1	*
19	1013.6	+6	NNW	1	c	53	85	8	5	1	-	7-8	9+	2500	1	*
20	1017.3	+6	NW'W	4	c/pr	54	85	9	5	-	-	9+	9+	1500.	1	3
	1015.3	+6	NNW	4	c	55	85	9	8	4	-	4-6	7-8	1500.	1	3

PAST 24 HOURS.

District	Station	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine. 8th. Hrs. (36)
1	London (Kew)	69	55	52	-	-	11.5
	Croydon	69	53	51	-	-	12.0
	S. Farnborough	68	51	47	-	-	9.7
	Boscombe Down	64	49	47	-	-	8.1
	Calshot (Sthmtn.)	68	53	51	-	-	8.6
	Lympne	65	51	49	-	-	10.5
	Manston	69	51	42	-	-	12.2
2	Shoeburyness	71	56	52	-	-	12.2
	Felixstowe	70	56	53	-	-	12.3
	Gorleston	65	55	54	-	-	9.0
	Mildenhall	69	51	50	-	-	11.6
	Cranwell	69	45	37	-	-	9.2
3	Birmingham	67	50	45	-	0.5	9.0
	Upper Heyford	69	(55)	54	-	Tr.	*
4	Ross-on-Wye	67	53	50	-	1	6.2
5	Bristol	66	52	50	-	Tr.	6.5
	Portland Bill	62	56	*	-	Tr.	*
	Plymouth	63	56	55	-	9	2.8
	The Lizard	64	56	*	-	2	*
	Scilly (St. Mary's)	64	57	*	-	2	8.1
	Guernsey	64	52	45	-	-	3.0
6	Pembroke	61	55	*	Tr.	6	3.6
7	Holyhead	62	53	52	0.3	6	5.6
	Chester (Sealand)	65	52	50	Tr.	2	6.3
8	Manchester	65	51	49	Tr.	1	6.8
10	Spurn Head	71	54	*	-	Tr.	3.5
	Catterick	66	51	50	-	2	5.8
	Tynemouth	57	51	50	-	2	2.7
11	St. Abbs Head	57	48	-	0.2	4	*
	Leuchars	60	49	47	1	2	0.5
12	Renfrew (Abbotsl.)	60	50	49	1	4	1.1
	Eskdalemuir	58	47	47	1	7	2.8
	Point of Ayre	61	52	*	2	2	3.2
13A	Tiree	58	51	50	2	12	0.7
13B	Stornoway	59	52	*	-	0.3	4.2
15	Dalwhinnie	58	46	45	-	-	1.9
	Aberdeen	56	50	48	Tr.	13.3	0.2
	Wick	58	51	*	-	-	*
16	Lerwick	57	47	*	Tr.	-	8.3
17	Blacksod Point	58	49	*	Tr.	2	*
18	Malin Head	56	50	*	3	3	0.0
	Aldergrove	56	52	51	3	1	0.1
19	Birr Castle	57	51	48	5	0.3	0.0
20	Valentia Obsy. †	59	(54)	49	22	0.4	0.0
	Roches Point	59	53	*	8	2	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T % (Yesterday.)	Humidity. 9h. G.M.T % (To-day.)	Visibility 9h.
Kew	18	bbccy	cy	cyc	69	55	52	-	-	11.3	*	*	8
Croydon	217	bcy	bcy&c	cybc	69	53	51	-	-	12.0	*	*	8
Greenwich (Royal Observatory)...	149	by	bcy	c	75	53	46	-	-	11.1	39	63	8.
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	11.2	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	70	56	53	-	-	11.3	45	70.	*
Regents Pk. (Botanic Gardens)†...	168	*	*	*	70	55	52	-	-	11.1	43	71.	*
Camden Square	110	bc	c	*	73	56	53	-	-	*	*	64.	*
Kensington	80	co	co.	*	70	55	52.	-	-	1.5	At 18h. 47	71	*
Hampstead Observatory	450	bc	bc	c	68	51	44	-	-	11.7	*	76.	*

FOREIGN OBSERVATIONS.

18h G.M.T. 8th July ... 7h. G.M.T. 9th July ...

Stations.	18h Barom. mb.	18h Wind. Direc.	18h Wind. Force.	18h Weather.	18h Temp. °F.	7h Barom. mb.	7h Wind. Direc.	7h Wind. Force.	7h Weather.	7h Temp. °F.
Paris	1020.9	NW	1	b	72	1020.6	-	0	Zs	57
Brussels	1020.5	NW	2	bc	66					
Berlin	1015.9	W	1	c	66	1018.4	W'N	3	c	63
Zürich	1019.1	NW	1	bc	73	1019.1	NW	2	c	61
Rome	1017.8	SW'W	1	b	79	1017.5	SE	1	bc	73

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
10.3	whole	period.	

Kew Observatory.

Max.	Time.	Min.	Time.
0.1	8h 8th	0.1	rest of period

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
73	52	-	-
70		-	
*	*	4	Tr.
*	*	-	-
*	*	7	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

0 Dense fog	Objects not visible at 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31 m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 9 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday, 10th July, 1937.
No. 27624

OBSERVATIONS at 13h. G.M.T. 9th July

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1015·2	-16	SSW	4	id	61	75	7	6	2	-	7·8	10	1500
	Croydon ...	1015·5	-14	SSW	4	dr	60	75	6	6	2	-	7·8	10	2500
	S. Farnborough	1015·0	-14	S	4	r₀r₀	57	92	7	6	-	-	10	10	1500
	Boscombe Down	1014·3	-18	S'W	4	ir₀	57	97	6	6	2	-	7·8	10	450
	Calshot (Sthmtn.)	1015·5	-16	S'W	5	r₀r₀	59	97	5	6	-	-	10	10	800
	Lympne ...	1017·1	-12	SW's	4	c	61	65	5	7	7	8	4·6	9+	2500
	Manston ...	1016·2	-14	SW	4	c	65	55	8	5	2	-	7·8	10	1500
2	Shoeburyness ...	1015·5	-14	SSW	4	c/pr	63	65	8	3	7	-	4·6	9+	2500
	Felixstowe ...	1015·5	-14	S	4	c	64	65	8	8	7	-	4·6	9+	2500
	Gorleston ...	1014·4	-10	S'W	4	c	66	65	6	8	2	-	4·6	10	2500
	Mildenhall ...	1013·8	-18	SSW	4	r₀r₀	63	65	7	5	2	-	7·8	10	2500
	Cranwell ...	1012·8	-16	S'W	2	r₀r₀	56	97	6	6	2	-	9	10	1500
3	Birmingham ...	1012·3	-10	SSW	3	ir₀	56	92	5	6	-	-	10	10	800
	Upper Heyford	1013·8	-18	S	4	r₀r₀	57	97	5	6	2	-	9+	10	450
4	Ross-on-Wye	1012·0	-14	SW	3	pr₀	63	86	8	9	3	-	4·6	9	2500
5	Bristol ...	1013·4	-10	W's	4	c/pr	62	92	8	6	3	-	9	9+	1500
	Portland Bill ...	1013·6	-24	SW	5	c	59	92	6	5	-	-	10	10	1500
	Plymouth ...	1015·1	+2	NW'W	4	c	63	75	8	8	4	-	7·8	7·8	1500
	The Lizard ...	1016·8	+16	NNW	4	bc	62	75	8	8	4	-	4·6	4·6	2500
	Scilly (St. Mary's)	1018·3	+14	NW'W	4	c/pr	60	75	8	8	6	-	7·8	9+	1500
	Guernsey ...	1017·2	-14	WSW	3	r₀r₀	60	97	6	5	-	-	10	10	1500
6	Pembroke ...	1014·6	+10	NW	3	q	59	75	9	5	4	-	2·3	4·6	2500
7	Holyhead ...	1012·9	+10	NNW	3	bc	59	75	8	7	4	-	2·3	4·6	4000
	Chester (Sealand)	1011·7	+4	W'N	5	ir₀	57	85	5	6	2	-	9	10	800
8	Manchester ...	1011·1	-10	S'W	3	c/r	58	92	6	5	2	-	9	10	800
10	Spurn Head ...	1013·1	-12	S	4	r	57	97	6	6	2	-	4·6	10	800
	Catterick ...	1010·3	-14	S'E	3	id₀	56	92	5	6	2	-	9+	10	800
	Tynemouth ...	1008·8	-10	S	2	rr₀	55	92	5	6	-	-	10	10	800
11	St. Abbs Head	1008·9	-10	SE	3	c/r	55	92	4	3	2	-	7·8	10	800
12	Leuchars ...	1009·3	-12	ESE	2	rr	56	97	6	5	-	-	10	10	450
	Renfrew (Abbotsl.)	1009·2	0	WSW	4	c	59	65	9	8	-	-	7·8	7·8	4000
	Eskdalemuir ...	1009·1	-8	SW'W	2	ir₀	55	97	6	6	2	-	10	10	450
	Point of Ayre ...	1011·3	+8	NW	3	bc	60	85	8	2	-	-	2·3	2·3	4000
13A	Tiree	1010·8	+6	WNW	4	bc	58	75	9	2	6	-	2·3	4·6	1500
13B	Stornoway ...	1009·2	-2	SSE	1	c	56	85	8	8	2	-	7·8	9+	1500
15	Dalwhinnie ...	1009·2	-10	S	2	c	56	75	7	4	2	-	4·6	10	2500
	Aberdeen ...	1009·9	-12	SSE	3	c	55	85	6	5	2	-	4·6	10	1500
	Wick ...	1009·6	-6	SE	3	c	54	92	8	8	7	1	4·6	7·8	1500
16	Lerwick ...	1013·9	-12	E	2	c	54	75	8	8	7	8	2·3	7·8	2500
17	Blacksod Point	1015·6	+8	WNW	4	bc	58	75	8	3	-	1	2·3	4·6	2500
18	Malin Head ...	1010·8	+6	W'N	4	c/pr	57	85	7	8	-	-	7·8	7·8	2500
	Aldergrove ...	1011·8	+4	W'N	1	c/pr	57	85	9	9	3	-	4·6	9	1500
19	Birr Castle ...	1014·1	+4	NW	1	c	61	75	8	8	7	-	4·6	9+	2500
20	Valentia Obsy. †	1013·0	+6	NW'N	4	pr₀	57	85	8	5	-	-	9	9	1500
	Roches Point	1016·6	+4	NW	4	c	60	75	9	3	4	-	4·6	7·8	1500

OBSERVATIONS at 18h. G.M.T. 9th July

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1012·1	+20	SSW	3	c	63	85	7	5	-	-	7·8	7·8	1500	1	*
	Croydon ...	1012·5	-18	S'W	3	bc/d	60	92	7	5	3	-	2·3	4·6	1500	1	*
	S. Farnborough	1012·1	-16	SW'W	4	bc	64	85	8	2	8	-	2·3	4·6	2500	1	*
	Boscombe Down	1013·0	-6	WNW	5	bc	62	65	8	7	-	-	2·3	2·3	2500	1	*
	Calshot (Sthmtn.)	1013·7	-12	W'N	3	c	63	75	8	8	6	-	4·6	7·8	1500	1	3
	Lympne ...	1014·4	-14	SSW	3	dr	55	97	4	6	2	-	9	10	4150	1	§ 3
	Manston ...	1013·2	-20	SSW	4	ir₀	58	85	8	5	2	-	9	10	1500	1	*
2	Shoeburyness ...	1012·9	-20	S'W	4	c/r	59	92	8	6	7	-	9	10	1500	1	*
	Felixstowe ...	1012·5	-16	SSW	4	c/r	60	85	7	5	2	-	7·8	10	1500	1	2
	Gorleston ...	1011·9	-12	S	4	r₀r₀	58	97	6	6	-	-	10	10	1500	1	2
	Mildenhall ...	1010·5	-13	SW's	4	c	60	92	6	5	-	-	10	10	1500	1	*
	Cranwell ...	1010·2	-16	W	3	c/d	60	92	6	6	-	-	9+	9+	1500	1	*
3	Birmingham ...	1012·0	+8	NW	3	bc	60	75	6	1	-	-	2·3	2·3	1500	1	*
	Upper Heyford	1012·4	-6	NNW	4	c	61	75	8	8	4	-	4·6	7·8	1500	1	*
4	Ross-on-Wye	1013·0	0	W'N	5	bc	63	55	8	1	-	-	2·3	2·3	4000	0	*
5	Bristol ...	1013·9	0	WNW	4	bc	62	55	9	4	-	-	2·3	2·3	4000	0	*
	Portland Bill ...	1014·3	+6	WNW	5	bc	60	85	8	4	-	-	2·3	2·3	2500	1	4
	Plymouth ...	1016·5	+2	NW'W	4	c	61	75	8	8	7	-	7·8	7·8	2500	1	2
	The Lizard ...	1017·7	+6	W'N	4	bc	58	85	8	8	6	-	4·6	4·6	2500	1	2
	Scilly (St. Mary's)	1018·8	+4	WNW	5	bc	60	75	8	8	4	3	2·3	4·6	2500	0	3
	Guernsey ...	1017·1	+4	NW'W	4	b	61	75	9	-	3	-	0	1	-	1	4
6	Pembroke ...	1015·1	-2	W	5	q	57	85	8	5	7	-	4·6	7·8	2500	1	3
7	Holyhead ...	1012·7	-6	WSW	4	bc	59	75	9	8	6	-	4·6	4·6	4000	1	2
	Chester (Sealand)	1012·0	-4	W'N	4	c	60	65	8	8	3	-	4·6	7·8	2500	1	*
8	Manchester ...	1011·7	+2	W	4	c	59	75	8	8	3	-	4·6	7·8	2500	1	*
10	Spurn Head ...	1009·3	-20	SSW	3	c	58	97	7	5	2	-	7·8	10	800	2	2
	Catterick ...	1008·9	-6	WNW	3	bc	61	55	9	2	-	-	4·6	4·6	4000	1	*
	Tynemouth ...	1007·7	-10	W	2	c/r	61	75	6	9	-	-	7·8	7·8	800	1	1
11	St. Abbs Head	1007·2	-6	WNW	2	c	56	97	7	3	2	-	7·8	10	1500	1	1
12	Leuchars ...	1007·4	-14	W	1	2	57	92	6	5	-	-	9+	9+	800	1	*
	Renfrew (Abbotsl.)	1009·0	-2	W	4	dp	60	65	9	8	-	-	4·6	4·6	4000	1	*
	Eskdalemuir ...	1008·6	-6	W'N	4	bc	57	65	9	5	-	-	4·6	4·6	2500	1	*
	Point of Ayre ...	1011·5	-2	WNW	4	ir₀	57	85	8	6	6	-	4·6	7·8	4000	1	3
13A	Tiree	1005·4	-6	NW'W	2	pr	55	85	8	8	6	3	4·6	9	1500	1	2
13B	Stornoway ...	1008·3	-4	ESE	2	c	54	85	9	5	7	-	7·8	9	1500	1	1
15	Dalwhinnie ...	1008·7	-6	W	2	c	54	75	8	4	4	-	4·6	7·8	2500	0	*
	Aberdeen ...	1007·5	-14	ESE	2	c	53	97	5	6	2	-	9	10	450	1	1
	Wick ...	1008·5	-12	SE	3	c	53	92	7	5	7	-	4·6	9	1500	1	2
16	Lerwick ...	1012·7	-10	E	2	c	53	75	9	7	3	2	4·6	7·8	2500	0	*
17	Blacksod Point	1015·3	0	WNW	4	bc	57	75	8	3	-	-	4·6	4·6	2500	0	3
18	Malin Head ...	1010·8	-6	W	4	c/pr	55	97	7	8	-	5	4·6	7·8	1500	0	3
	Aldergrove ...	1011·5	-4	W's	4	c	59	75	8	8	-	-	9	9	1500	1	*
19	Birr Castle ...	1014·8	+2	WNW	2	c	60	75	8	4	-	-	7·8	7·8	4000	1	*
20	Valentia Obsy. †	1020·1	+6	WNW	4	c	57	75	8	8	-	-	9+	9+	1500	1	3
	Roches Point	1017·5	+4	NW	5	c	59	75	9	8	-	-	7·8	7·8	1500	1	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 9th. (37)	Weather. 13h.—18h. 9th. (38)	Weather. 18h. 9th. to 1h. 10th. (39)	Weather. 1h.—7h. 10th. (40)
1	London (Kew)	ccd	cidcrc	c	c
	Croydon ...	ccir₀r₀	cir₀ddm₀	c, b	bbepr₀
	S. Farnborough	ccir₀c	ir₀oid₀c	cbbc	bwcbc
	Boscombe Down	cr₀d₀	civ₀b	b	bc
	Calshot (Sthmtn.)	cddrrm	crdrd m₀	bcb	bbcc
	Lympne ...	cvc	cpr₀pro	ord Fb	bem₀c
	Manston ...	c	cyir₀m r r	cir₀cb	bcprcm₀
2	Shoeburyness ...	cp₀c	circ.	cbcc	cb, c.
	Felixstowe ...	ccyc	civ₀cir₀	cbc	bccpr
	Gorleston ...	bcc	cor ir₀	otlrbc	cpr₀
	Mildenhall ...	ccy	Rrr r r₀c	r₀₀cir₀	cr₀r₀
	Cranwell ...	r₀r₀R₁R₂r	Ddorrc	c	cir₀
3	Birmingham ...	or₀r	oRtbc	bccpr	bcpr₀o
	Upper Heyford	cr₀rrm₀	cr₀r₀pr₀bc	bcb	cpr₀
4	Ross-on-Wye	cr₀oc	cbcy	bybcc	c
5	Bristol ...	cd₀r₀r₀	cbc	b, c	c
	Portland Bill ...	rorо	cbc	bcbc	bcc
	Plymouth ...	pd₀d₀cpr	cbc	bcbbc	bccbc
	The Lizard ...	rpr₀	bc	bcc	cbc
	Scilly (St. Mary's)	cf₀	cbc	bcc	cbcc
	Guernsey ...	codir	or₀bc	bcbcw	bcwc
6	Pembroke ...	cbaq v	bccq	bqbc	bcq
7	Holyhead ...	od₀d₀f	bcc	bcprc	cPRbc
	Chester (Sealand)	crrr₀R r₀	cr₀m₀bc	bcc	cprPR
8	Manchester ...	oRRir₀	ir₀m₀bc	bccpr	cPRpr
10	Spurn Head ...	cpr	rrc	cbc	bcc
	Catterick ...	id₀pr₀r₀	r₀cm₀bc	bcybw	bcw
	Tynemouth ...	oir	orrt	bc	bc
11	St. Abbs Head	rrrmc	cirm₀	cbc	rrm₀c
12	Leuchars ...	dd₀r₀r	r₀ir	orr c	crrr₀r₀
	Renfrew (Abbotsl.)	cDfd₀d₀	bc	bc	bcwcpr₀
	Eskdalemuir ...	r₀ir₀	ir₀cybc	bccpr₀c	cbcc
	Point of Ayre ...	ir₀dc	bc	prcbc	c
13A	Tiree	bcbdp	bcvcpr	cprbv	b, c
13B	Stornoway ...	r₀r₀c	cpr₀r₀r₀	cprir	cpr₀
15	Dalwhinnie ...	cir	cir *	*	cirо
	Aberdeen ...	bcc	cr₀ir	corr	orrm₀
	Wick ...	c	c	cr₀rc	c
16	Lerwick ...	c	c	c	c
17	Blacksod Point	pr₀c	pr₀c	prc	prc
18	Malin Head ...	bcc	bcprc	cprc	cpr₀c
	Aldergrove ...	cbc, qpr	prq PR	cpr₀c	pr₀c, pr₀
19	Birr Castle ...	cpr₀c	c	cpr₀c	c
20	Valentia Obsy. †	cpr₀	cpr₀c	bccp₀	c
	Roches Point	cpr₀cv	cpr₀cv	cpr₀c	cbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r₀, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ◑ lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

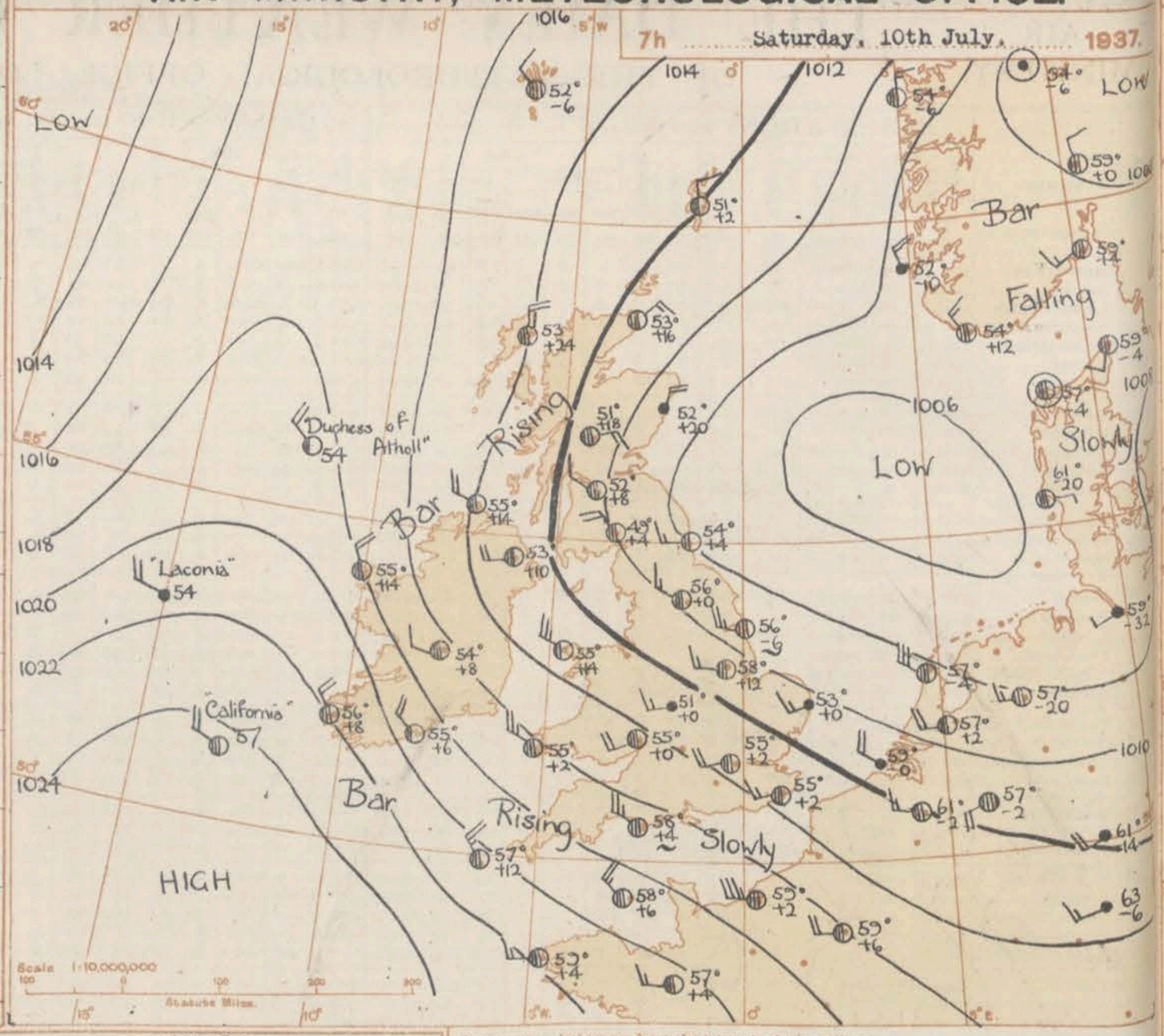
REPORTS from HEALTH RESORTS for 9th July 1937.

Districts	Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F). Min. 9h. 8th to 9h. 9th.	Temperature (°F). Max. 9h.—17h. 9th.	Rainfall (mm.). Night. 17h. 8th to 9h. 9th.	Rainfall (mm.). Day. 9h.—17h. 9th.	Sunshine (Hrs.). Sunrise to 17h. 9th.	Sunshine (Hrs.). Sunrise to Sunset. 8th.
1	Tunbridge W.	co	pdr	50	61	-	0.5	0.1	11.5
	Bournemouth	r.or.	bcbc	55	67	0.3	0.5	1.5	8.4
	Ventnor ...	ou	orcu	54	61	-	1	0.1	5.8
	Southsea ...	o	oroc	56	63	-	2	0.3	5.7
	Bognor Regis	oir	orrc	54	61	-	3	0.0	8.1
	Littlehampton	c	codro	51	61	Trace	4	0.0	8.4
	Worthing ...	co	oRc	53	61	-	3	0.1	6.8
	Brighton ...	cb	dro	54	61	-	3	0.5	6.7
	Eastbourne† ...	co	or.rr	55	63	-	2	0.6	8.8
	Hastings† ...	c	c.dr.	52	63	-	0.3	0.5	7.9
	Folkestone ...	cvo	ocopo	53	63	-	Trace	0.1	10.1
	Dover ...	c	cir.o	55	63	-	Trace	0.5	11.4
	Deal	oco	cor.c	54	64	-	0.3	1.1	10.7
	Ramsgate ...	c	crc	54	62	-	0.4	0.4	11.5
	Margate ...	c	cd.	54	65	-	0.1	0.5	13.4
2	Southend ...	co	cor.	56	64	-	Trace	0.2	11.2
	Maldon ...	c	corc	54	64	-	1	0.2	11.4
	Clacton-on-Sea	c	cpo	54	63	-	0.4	0.3	12.4
	Dovercourt ...	bcv	bcor	56	64	-	0.3	1.1	13.0
	Lowestoft ...	bbcc	cbccr	54	68	-	2	3.1	10.0
	Skegness ...	bcor	orror.	52	63	-	7	1.4	3.7
	Mablethorpe...	bccor	orrd	51	64	-	6	1.0	3.3
	Cleethorpes ...	bccr	cr	53	67	-	11	1.3	3.4
3	Leamington S.	oro	orc	51	67	-	4	1.3	10.1
4	Cheltenham†	orrc	cbc	51	68	Trace	1	2.3	9.2
5	Bath	rrc	cbc	53	68	0.3	3	2.6	6.7
	Weymouth ...	rdp	cb	56	66	1	2	4.0	5.1
	Jersey ...	c	pcbc	52	65	-	Trace	1.7	4.7
	Torquay ...	ordm	cbcvy	57	69	0.3	-	5.2	2.5
	Penzance ...	dcdcc	bcbcb	57	64	7	Trace	6.7	8.6
	St. Ives ...	c	c	57	65	5	-	4.0	4.6
	Bude... ...	c	bc	54	62	Trace	-	5.2	3.3
	Ilfracombe ...	odrod	docbc	55	60	2	1	2.1	9.7
6	Aberystwyth	cprc	bc	55	60	3	0.3	3.0	5.7
7	Llandudno ...	odr.c	cbcc	53	63	1	0.2	2.3	4.1
	Colwyn Bay...	pdcdc	cbbcc	52	63	3	1	2.1	4.4
	Rhyl	cd.d	cbcc	52	63	2	0.2	2.5	4.0
8	Wallasey ...	iro	cbcb	53	62	3	3	2.5	5.1
	Southport ...	co do	ocbbc	52	61	3	0.6	2.8	5.7
	Blackpool ...	oid	ocbc	53	61	1	0.3	3.0	6.6
	Morecambe ...	rrRc	bcbbc	52	61	1	3	3.3	6.7
9	Ilkley... ...	roro	ocbc	51	65	2	4	1.9	5.1
	Harrogate ...	crr	crcb	50	64	1	3	2.0	4.6
10	Berwick-on-T.	om.r.	om.w	49	55	3	5	0.0	1.2
11	Dunbar ...	crom.	bcpr.	50	64	4	8	0.7	1.8
12	Troon... ...	rocbc	cbcb	51	61	4	-	3.8	8.7
	Douglas ...	cbpr	cb	51	61	20	0.3	5.4	3.3

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Saturday, 10th July, 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE ~~ Rough ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th July, 1937.
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands	Light to moderate northwest to west winds; cloudy and bright periods; local thundery showers; cool.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Moderate to fresh northwest to west winds, falling light then freshening from southwest; local thundery showers today, cloudy with rain later tomorrow; rather cool, temperature rising slightly.
9 N. Midlands	As 1 - 4.
10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B.N.W.Scotland.} 14 Mid Scotland	Moderate to fresh northerly winds, falling light then freshening from southwest or south; showers with local thunder today; cloudy with rain later; cool, temperature rising slightly.
15 N. E. Scotland 16 Orkney and Shetland	Light to moderate northerly to variable winds; showery; rather cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light to moderate northwesterly winds, backing and freshening; bright periods and showers at first, cloudy with rain later; rather cool then average temperature.

GENERAL INFERENCE.

A shallow depression over the North Sea and a ridge of high pressure to the west of Ireland will move eastwards. Weather at first will be cool and showery with thunder locally; later rain will set in over Ireland and gradually extend northeastwards across the country.

FURTHER OUTLOOK.

Rain at times in the North and West, showers in the Southeast; warmer than of late.

Forecasts issued at 10.30 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

16.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail Fog. Mist. (K) Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere: a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 10th July, 1937.

No. 27624

OBSERVATIONS at 1 hr. G.M.T. 10th July

District	Stations	Height above M.S.L. in feet. (1)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1013.8	+4	WSW	5	b	53	75	8	-	4	-	0	1	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014.0	+2	W	2	z	54	87	6	5	2	-	4.6	4.6	450
	Manston ...	142	1012.5	0	W	3	bc	57	75	7	5	-	-	2-3	2-3	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1011.0	+2	W'S	3	bc	55	92	6	5	-	-	2-3	2-3	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1015.8	+4	WNW	4	bc	58	85	8	4	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1019.2	0	WNW	4	c	55	92	8	8	-	-	7-8	7-8	2500
	Scilly (St. Mary's)	163	1020.1	+4	WNW	5	c	55	85	8	8	6	-	7-8	7-8	2500
	Guernsey ..	175	1018.3	+2	WNW	3	bc	56	92	8	8	3	-	4-6	4-6	2500
6	Pembroke ...	142	1015.7	+6	NW	4	q	55	85	8	5	-	-	2-3	2-3	2500
7	Holyhead ...	26	1012.5	0	W'N	5	c	55	85	8	5	-	-	3+	3+	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	10094	0	W'N	5	bc	54	87	7	5	4	-	2-3	4-6	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1008.7	-2	W	3	bc	52	85	8	5	-	-	2-3	2-3	1500
11	St. Abbs Head	280	1007.6	0	WNW	5	bc	52	85	7	3	4	1	2-3	4-6	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1011.0	-2	WNW	5	bc	52	92	8	4	-	-	4.6	4.6	4000
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1010.3	+12	NNE	5	ir	53	92	6	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1003.2	+6	NNE	3	a/r	52	97	8	5	2	-	7-8	10	1500
16	Lerwick ...	156	1013.5	0	NNW	1	c	49	92	8	4	8	2	2-3	7-8	1500
17	Blacksod Point	18	1016.8	+2	WNW	5	bc	53	85	8	5	-	-	4.6	4.6	1500
18	Malin Head ...	84	1011.5	+14	WNW	1	c	53	92	7	8	-	-	7-8	7-8	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1021.1	0	WNW	4	p.r	53	87	8	8	-	-	7-8	7-8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 10th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1013.4	+2	W'S	3	c	57	75	8	8	7	-	4.6	7.8	2500	1	*
	Croydon ...	1013.7	+2	W'S	4	c/pr	55	85	7	8	5	3	7.8	7.8	1500	1	*
	S. Farnborough	1014.0	+4	W'S	3	bc	55	85	8	1	3	-	1	4.6	2500	0	*
	Boscombe Down	1015.1	+2	W'N	4	bc	56	75	7	7	-	-	4.6	4.6	5700	1	*
	Calshot (Sthmtn.)	1015.5	+6	WSW	4	c	57	75	8	8	3	-	4.6	7.8	2500	1	2
	Lympne ...	1013.9	+2	W	3	c	55	92	7	5	3	-	2.3	5	220	1	2
	Manston ...	1012.6	-2	W	2	c	56	85	6	5	3	-	7.8	5	800	1	*
2	Shoeburyness ...	1012.9	+4	W'S	4	c	59	75	8	8	7	-	7.8	5+	800	0	*
	Felixstowe ...	1011.8	0	WSW	3	c/pr	54	85	8	5	4	-	4.6	5+	4000	1	1
	Gorleston ...	1010.3	0	WSW	3	pr.	53	92	6	6	2	-	7.8	10	1500	1	2
	Mildenhall ...	1011.6	+1.6	W	3	c/pr	58	87	8	6	7	-	4.6	7.8	1500	1	*
	Cranwell ...	1011.0	+6	WSW	3	c	53	92	6	8	3	4	7.8	5+	2500	1	*
3	Birmingham ...	1012.5	0	W	3	ir	51	92	6	6	-	-	10	10	800	1	*
	Upper Heyford	1013.7	0	W	4	pr.	54	75	8	6	7	-	7.8	9+	1500	1	*
4	Ross-on-Wye	1013.5	0	W'S	4	c	55	75	8	5	-	-	10	10	2500	0	*
5	Bristol ...	1015.3	+2	W'N	4	c	54	85	7	5	3	-	5	5+	1500	0	*
	Portland Bill ...	1016.0	+4	WNW	5	c	58	85	8	4	-	-	7.8	7.8	2500	1	4
	Plymouth ...	1018.1	+6	NW'W	4	bc	58	75	8	8	3	-	4.6	4.6	1500	1	2
	The Lizard ...	1019.8	+4	NW'W	4	bc	57	92	8	8	6	-	2-3	2-3	4000	0	2
	Scilly (St. Mary's)	1021.4	+12	NW	5	dp	57	75	8	3	6	-	4.6	7.8	1500	0	3
	Guernsey ..	1018.6	+6	NW'W	4	c	58	75	7	8	-	-	7.8	7.8	2500	0	3
6	Pembroke ...	1015.8	+2	WNW	5	q	55	85	8	5	7	-	2-3	4.6	2500	1	3
7	Holyhead ...	1013.2	+14	NW'W	5	bc	55	85	8	8	4	-	2-3	4.6	2500	1	3
	Chester(Sealand)	1011.8	+4	W'N	5	c	54	85	7	8	3	-	7.8	7.8	1500	1	*
8	Manchester ...	1011.0	+4	W'N	4	c/pr	53	92	7	8	3	-	4.6	7.8	1500	1	*
10	Spurn Head ...	1009.3	-6	W'N	5	c	56	85	6	4	6	1	4.6	7.8	2500	0	4
	Catterick ...	1008.8	0	WNW	3	c	56	75	9	8	-	3	7.8	7.8	2500	1	*
	Tynemouth ...	1007.1	+4	W	3	bc	54	75	7	2	6	-	2-3	4-6	2500	1	1
11	St. Abbs Head	1006.4	-4	WNW	4	RR	50	87	6	5	2	-	7.8	10	800	1	2
	Leuchars ...	1008.2	+8	WNW	3	r&q	52	92	7	5	2	-	3+	10	1500	1	*
12	Renfrew (Abbots I.)	1010.2	+8	WNW	2	s/pr	52	85	9	5	-	-	9	9	4000	1	*
	Eskdalemuir ...	1009.3	+4	NW'N	4	c	49	85	8	5	2	-	4.6	9	1500	1	*
	Point of Ayre ...	1011.6	+6	NNW	6	c	54	92	8	8	-	-	7.8	9	800	0	3
13A	Tiree	1012.8	+20	N'E	4	c	54	92	8	5	-	-	3+	3+	1500	0	3
13B	Stornoway ...	1014.6	+24	N	4	c	53	85	8	5	7	-	7.8	9+	4000	1	2
15	Dalwhinnie ...	1011.1	+18	E	3	c	51	85	7	4	2	-	4.6	10	2500	0	*
	Aberdeen ...	1009.2	+20	N'E	4	rr	52	97	6	6	-	-	10	10	800	1	2
	Wick ...	1010.8	+16	NE	3	c	53	85	8	8	7	8	4.6	7.8	1500	1	2
16	Lerwick ...	1011.8	+2	N	2	c	51	85	8	8	7	-	7.8	10	1500	0	*
17	Blacksod Point	1018.3	+14	N'W	4	c	55	92	8	9	-	-	9	9	1500	1	3
18	Malin Head ...	1013.1	+14	WNW	4	c	55	97	7	8	4	-	4.6	7.8	2500	0	3
	Aldergrove ...	1013.3	+10	W	4	c/pr	53	85	8	9	3	-	9	9+	800	1	*
19	Birr Castle ...	1016.8	+8	W'N	2	c	54	85	8	5	-	-	9+	9+	4000	1	*
20	Valentia Obsy. †	1021.9	+8	NW'N	4	c	56	75	8	5	-	-	9+	9+	2500	1	3
	Roches Point	1019.8	+6	NW	4	bc	55	85	8	5	-	-	4.6	4.6	1500	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine Hrs. (36)
1	London (Kew)	64	54	49	1	-	0.9
	Croydon ...	62	52	49	Tr	Tr	1.6
	S. Farnborough	64	50	40	0.3	-	1.6
	Boscombe Down	65	49	46	1	-	3.8
	Calshot (Sthmtn.)	65	52	49	3	-	2.7
	Lympne ...	61	49	47	0.3	2	0.2
	Manston ...	65	52	49	0.2	3	0.7
2	Shoeburyness ...	65	54	49	0.6	-	0.2
	Felixstowe ...	65	53	49	2	2	0.9
	Gorleston ...	67	49	49	2	5	5.0
	Mildenhall ...	64	47	44	4	4	1.7
	Cranwell ...	62	49	46	8	0.2	1.8
3	Birmingham ...	64	50	48	8	2	2.9
	Upper Heyford	66	50	45	2	Tr	*
4	Ross-on-Wye	68	53	50	0.5	-	6.3
5	Bristol ...	67	51	x	2	-	4.9
	Portland Bill ...	62	56	*	3	-	*
	Plymouth ...	65	56	53	0.5	-	5.1
	The Lizard ...	62	54	*	0.3	-	*
	Scilly (St. Mary's)	63	55	*	Tr	-	7.3
	Guernsey ..	65	55	52	1	-	5.2
6	Pembroke ...	61	53	*	-	-	5.0
7	Holyhead ...	62	52	51	0.1	1	5.5
	Chester(Sealand)	62	52	48	2	2	3.3
8	Manchester ...	62	50	46	(1) 10	4	4.1
10	Spurn Head ...	65	52	*	11	-	0.8
	Catterick ...	63	46	42	3	-	4.2
	Tynemouth ...	61	50	46	10	-	0.5
11	St. Abbs Head	57	45	*	5	0.5	*
	Leuchars ...	57	46	41	10	5	0.0
12	Renfrew (Abbots I.)	63	45	39	1	Tr	4.7
	Eskdalemuir ...	60	47	43	4	Tr	1.6
	Point of Ayre ...	62	51	*	1	1	3.3
13A	Tiree	60	51	48	0.1	0.2	3.8
13B	Stornoway ...	59	51	*	3	0.5	0.0
15	Dalwhinnie ...	57	47	42	6	0.2	0.8
	Aberdeen ...	56	51	51	1	15	0.4
	Wick ...	56	51	*	-	2	*
16	Lerwick ...	57	48	*	-	-	4.8
17	Blacksod Point	58	50	*	1	1	*
18	Malin Head ...	58	50	*	1	3	7.0
	Aldergrove ...	62	49	48	3	0.3	5.7
19	Birr Castle ...	63	51	48	Tr	Tr	5.5
20	Valentia Obsy. †	60	54	51	Tr	1.2	2.7
	Roches Point	62	53	*	0.2	0.1	*

LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h. Kensington.
9h—21h. other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. Yesterday.	Humidity. 15h. G.M.T % Yesterday.	Humidity. 9h. G.M.T % To-day.	Visibility 9h.
Kew	18	c c d	c i d c r c	c	64	54	49	1	-	0.9	*	*	8
Croydon	217	c c i r. r.	c i r. d d m.	c, b b c p.	62	52	49	Tr	Tr	1.6	*	*	8
Greenwich (Royal Observatory)...	149	c	c i r. c	c b c r.	67	53	44	Tr	Tr	0.1	81	64	8
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0.3	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	63	54	49			0.6	79	67	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	64	63	45	2	Tr	0.4	92	68	*
Camden Square	110	c	c r c	*	63	53	49	3	-	*	*	64	*
Kensington	80	c o p	c o c	*	63	53	48	1	-	0.7	At 18h. 50	65	*
Hampstead Observatory	450	c o v	c	c p	60	49	43	2	Tr	0.1	*	71	*

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	whole period		

Kew Observatory.

Max.	Time.	Min.	Time.
0.1	21hrs 9th	<0.1	7-20h 9th

FOREIGN OBSERVATIONS.

18h. G.M.T. ... 9th July

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1016.3	W	3	c	72
Brussels	1015.3	WSW	3	c	64
Berlin	1014.6	WNW	2	b	70
Zurich	1016.3	WNW	2	bc	72
Rome	1016.1	S	2	bc	77

7h. G.M.T. ... 10th July

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1016.7	W	4	c	59
1012.1	W'N	3	dp	61
1009.5	ESE	3	z.	66
1016.0	S	2	c	63
1015.1	SE	4	c	75

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
75	55	-	1
70	55	Tr	0.1
75	57	-	-
75	55	-	0.1
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 11th July, 1937.

No. 27625

OBSERVATIONS at 13h. G.M.T. July 10th

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1014·1	+4	WNW	4	pr	61	55	8	8	-	-	9+	9+	2500
	Croydon ...	1014·1	+2	W	3	c/pr	58	75	8	9	6	-	4·6	9	2500
	S. Farnborough	1014·5	+2	WNW	4	pr	61	68	8	9	-	-	9+	9+	4000
	Boscombe Down	1015·6	+4	WNW	4	c	61	65	8	8	-	-	9	9	2500
	Calshot (Sthmtn.)	1015·2	+2	W	5	c/pr	61	75	8	8	6	-	4·6	7·8	2500
	Lympne ...	1014·4	+8	WNW	3	c/dr	54	92	7	9	6	-	7·8	7·8	1500
	Manston ...	1012·6	0	WNW	4	c	63	55	7	8	-	-	7·8	7·8	1500
2	Shoeburyness ...	1013·1	+2	W	4	c	63	65	8	9	7	-	4·6	7·8	800
	Felixstowe ...	1012·2	0	W	3	c	60	75	8	8	3	-	7·6	9	2500
	Gorleston ...	1010·8	+4	NW	2	c/dr	57	85	6	8	-	-	7·8	7·8	1500
	Mildenhall ...	1011·5	+2	NNW	5	c	61	65	8	8	6	-	7·6	7·8	2500
	Cranwell ...	1011·3	+6	WNW	4	c	62	65	7	8	-	3	4·6	9	2500
3	Birmingham ...	1014·3	+10	NW	4	c	58	53	7	1	7	-	2·3	9+	800
	Upper Heyford	1014·8	+10	NNW	4	q	60	55	9	8	-	-	9	9	2500
4	Ross-on-Wye	1016·1	+14	WNW	5	q	60	55	9	8	-	-	9	9	4000
5	Bristol ...	1016·3	+6	WNW	4	q	63	55	8	8	7	1	4·6	4·6	1500
	Portland Bill ...	1018·0	+10	WNW	4	c	61	75	8	4	-	-	9	9	2500
	Plymouth ...	1020·1	+12	NNW	5	c/pr	60	75	8	8	7	-	9	9+	1500
	The Lizard ...	1021·3	+4	WNW	4	c	59	75	8	8	6	-	7·8	9	2500
	Scilly (St. Mary's)	1022·6	+8	WNW	5	bc	65	65	6	8	6	1	2·3	4·6	2500
	Guernsey ...	1020·2	+6	NW	5	c	62	65	8	7	3	-	4·6	7·8	2500
6	Pembroke ...	1017·6	+6	WNW	6	q	57	65	7	8	2	-	4·6	9+	1500
7	Holyhead ...	1015·7	+8	WNW	5	bc	55	75	8	8	8	-	2·3	2·3	2500
	Chester (Sealand)	1014·4	+14	WNW	6	c	53	73	6	8	-	-	9+	9+	1500
8	Manchester ...	1013·3	+10	WNW	5	pr	56	65	6	8	-	-	10	10	1500
10	Spurn Head ...	1009·1	0	NNW	6	q	61	65	7	9	7	-	7·8	9+	2500
	Catterick ...	1010·5	+14	NW	3	c	57	75	8	8	-	-	10	10	2500
	Tynemouth ...	1010·2	+20	N	4	o/r	56	85	7	6	-	-	10	10	800
11	St. Abbs Head	1012·3	+16	NNE	5	q	51	97	7	5	2	-	7·8	10	800
12	Leuchars ...	1013·6	+20	N	2	c	58	75	8	8	-	-	9+	9+	1500
	Renfrew (Abbots I.)	1013·7	+16	NE	3	c	64	55	9	7	4	1	4·6	7·8	4000
	Eskdalemuir ...	1013·5	+22	NE	3	c	55	75	8	5	3	1	7·8	9	2500
	Point of Ayre ...	1014·6	+16	NNW	4	bc	61	85	8	2	4	-	2·3	4·6	1500
13	Tiree	1016·3	+10	NW	4	b	55	75	9	2	6	-	Tr	Tr	2500
15	Stornoway ...	1016·2	+10	NNW	3	c	59	65	8	5	7	-	7·8	9+	2500
16	Dalwhinnie ...	1016·3	+20	NE	2	c	52	80	7	5	2	-	7·8	10	2500
	Aberdeen ...	1013·4	+18	N	4	c	57	65	8	8	3	3	4·6	7·8	2500
	Wick ...	1013·5	+20	NE	2	c	54	65	8	1	7	-	4·6	9+	1500
	Lerwick ...	1012·3	+2	N	3	c	53	85	8	8	7	-	7·6	10	800
17	Blacksod Point	1015·3	+6	NW	3	c	56	75	9	9	-	-	7·8	7·8	2500
18	Malin Head ...	1017·2	+18	NNW	3	c	56	92	7	8	-	-	7·8	7·8	2500
	Aldergrove ...	1016·3	+22	NW	4	c	60	75	8	8	-	-	7·8	7·8	2500
19	Birr Castle ...	1015·0	+8	WNW	2	c	61	75	8	5	-	-	9+	9+	4000
20	Valentia Obsy. †	1023·2	+6	W	3	c	60	75	9	5	3	-	7·8	9	1500
	Roches Point	1023·3	+6	WNW	4	c	61	75	9	8	5	-	4·6	7·8	1500

OBSERVATIONS at 18h. G.M.T. July 10th

District	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sun. 0–9 (30)
1	1016·2	+14	WNW	4	c	62	55	8	5	-	-	9+	9+	2500	1	*
	1016·1	+14	NW	4	c	62	55	8	6	7	-	7·8	9+	2500	1	*
	1016·4	+14	NNW	4	c	62	55	8	7	6	-	7·8	9+	4000	0	*
	1017·5	+12	WN	4	c	61	75	8	8	-	-	9+	9+	4000	1	*
	1017·2	+12	WNW	4	c	62	65	8	8	5	-	4·6	7·8	2500	1	2
	1015·2	+10	WNW	3	c	61	55	8	9	6	-	7·8	7·8	2500	1	§3
	1014·4	+12	NW	5	q	63	55	7	5	7	-	2·3	4·6	2500	1	*
2	1015·0	+16	WN	4	c	60	55	8	9	7	-	7·8	9+	1500	0	*
	1014·1	+12	W	4	c	59	75	8	5	7	-	4·6	9+	1500	1	2
	1012·3	+10	WN	4	c/pr	62	92	6	8	3	-	4·6	7·8	2500	1	2
	1014·0	+16	WNW	4	pr	58	85	8	6	7	-	7·8	10	1500	1	*
	1014·6	+20	NW	4	c/d	55	92	7	8	-	-	10	10	1500	1	*
3	1016·2	+8	NNW	3	bc	60	75	7	7	-	-	4·6	4·6	1500	1	*
4	1016·7	+14	NW	5	q	61	65	9	5	3	-	9	9+	2500	1	*
	1017·8	+14	W	3	c	61	65	6	5	-	1	7·8	9	4000	0	*
5	1018·6	+10	WN	4	c	63	55	8	8	-	6	4·6	7·8	2500	0	*
	1019·0	+10	WNW	4	c	61	55	8	4	4	-	4·6	7·8	2500	1	3
	1021·0	+6	NNW	5	bc	62	75	8	8	3	-	4·6	4·6	2500	0	2
	1022·7	+12	WNW	3	bc	60	85	8	8	4	-	4·6	4·6	2500	0	2
	1023·7	+4	NNW	3	c	60	85	8	8	8	3	2·3	7·8	2500	0	2
	1021·3	+4	NNW	4	bc	61	75	9	-	7	-	0	2·3	-	0	4
6	1019·6	+10	WNW	4	q	58	85	7	8	7	-	7·8	9+	1500	1	3
7	1018·0	+8	NNW	3	bc	59	85	8	2	5	5	1	4·6	4000	1	2
	1016·8	+14	WN	4	c	59	75	8	7	-	-	9	9	4000	0	*
8	1016·5	+20	NW	3	c/pr	60	75	8	8	3	-	4·6	9	2500	1	*
10	1012·1	+12	NW	5	q	57	97	7	5	2	-	9	9+	1500	1	4
	1015·9	+30	NNW	3	c	56	65	7	5	7	-	4·6	9+	2500	1	*
	1014·9	+24	N	4	c	54	85	7	5	-	-	7·8	7·8	800	1	2
11	1016·3	+20	N	1	bc	58	85	8	1	4	9	2·3	4·6	1500	1	2
12	1015·2	+8	W	1	c	59	65	8	8	-	1	7·8	7·8	2500	1	*
	1016·1	+12	NE	1	c/pr	62	75	9	8	6	-	4·6	7·8	4000	0	*
	1015·7	+6	NE	1	pr	56	75	8	5	7	-	4·6	9	2500	1	*
	1017·2	+10	NNW	3	bc	60	85	8	2	4	-	1	2·3	1500	0	2
13	1017·7	+4	NW	3	b	57	75	9	1	4	4	Tr	1	4000	0	2
15	1017·5	+5	NW	4	c	56	65	8	5	7	-	4·6	7·8	2500	1	2
16	1016·5	+6	NE	1	c	54	75	8	5	2	-	4·6	10	1500	0	*
	1015·4	+10	NNW	3	c	56	65	8	8	-	-	9	9	2500	1	1
	1015·5	+14	NE	3	c	54	75	8	5	7	-	7·8	9	1500	1	1
	1013·2	+4	NNW	4	c/pr	52	92	8	8	7	-	7·8	9+	800	1	*
17	1015·9	-10	W	3	c	57	75	9	4	3	-	2·3	7·8	2500	0	3
18	1018·5	+14	NW	3	c	57	92	8	2	5	-	4·6	7·8	2500	0	2
	1018·4	+14	NW	3	c	59	75	8	4	6	1	7·8	7·8	2500	1	*
19	1015·5	+4	NNW	2	c	60	75	8	2	7	-	2·3	9+	2500	1	*
20	1022·0	-10	SW	3	c	57	85	8	5	-	-	10	10	1500	1	2
	1021·8	+6	WNW	2	ir	60	75	8	6	2	-	2·3	10	1500	1	2

PAST 24 HOURS.

Weather. 7h.—13h. (37)	13h.—18h. (38)	18h.10h.to 1h.11th. (39)	1h.—7h. 11th. (40)
cprcpr	cy	cyc	bcb
prbrq	rRqcy	circ	cbwb
cprqpr	prcy	cycbc	bcbw
bcc	cbcc	cbc	bcmc
cbccpr	bcc	cbc	bcbw
prtrPR	bcpc	cycpre	cm,bm
cmcPR	cpcbcy	bcycpr	bcbb
bcfc	cbccy	cyc	cbm
cprtPRqc	cbcyc	ccirc	cbc
cprtlr	ctlPR	coirq	bcc
prtlrpr	cbcpr	cir	cm,cm
cpc	pridid	cmc cro	prbm
orprbcc	cbc	bc	bcb
cprcq	cqvy	crccbc	bcb
cbcc	c	cbcb	bwbc
cpcq	bcqy	bcq	bcwc
c	c	bc	bcc
bccpcvpr	cbc	bcc	cr
bcc	cbc	bccw	cdfdf
cpbc	bcc	cir	cdfdf
cpbc	cbc	cbcw	bcwc
bcqc	cq	cqc	crrifo
bcc	bcb	bc,bw	bwc
bcprcpcpc	cbcc	cbcbw	brbc
cprm	cprc	cprcbc	bpcmbm
cbcq	qpcc	cqbc	qbcc
bccrc	prcqdc	cbcw	bcbw
bcoir	oirc	bcc	c
rrpq	cbc	cbc	bcc
crcbrbrc	cbcc	cbcw	bcbw
cbcvy	bcqpr	cprcbcz	bzwbc
cpr	c	c	cfw
cbc	bc	bcb	bccw
b	bv	bvw	bw,cv
c	c	c	cv
c	c	c	c
orrc	bcc	prbc	bcbw
c	c	c	c
cid	cpc	c	cid
bc	bc	prc	iRd
bcpr	bc	pc	c
cprbc	bccbc	bcb	bwcrc
cprcc	c	c	cir
c	prircc	id,ddcrd	rcrdddo
bcc	ccirc	crcrc	irife

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing; sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† See disturbance reported from Denmarkness.

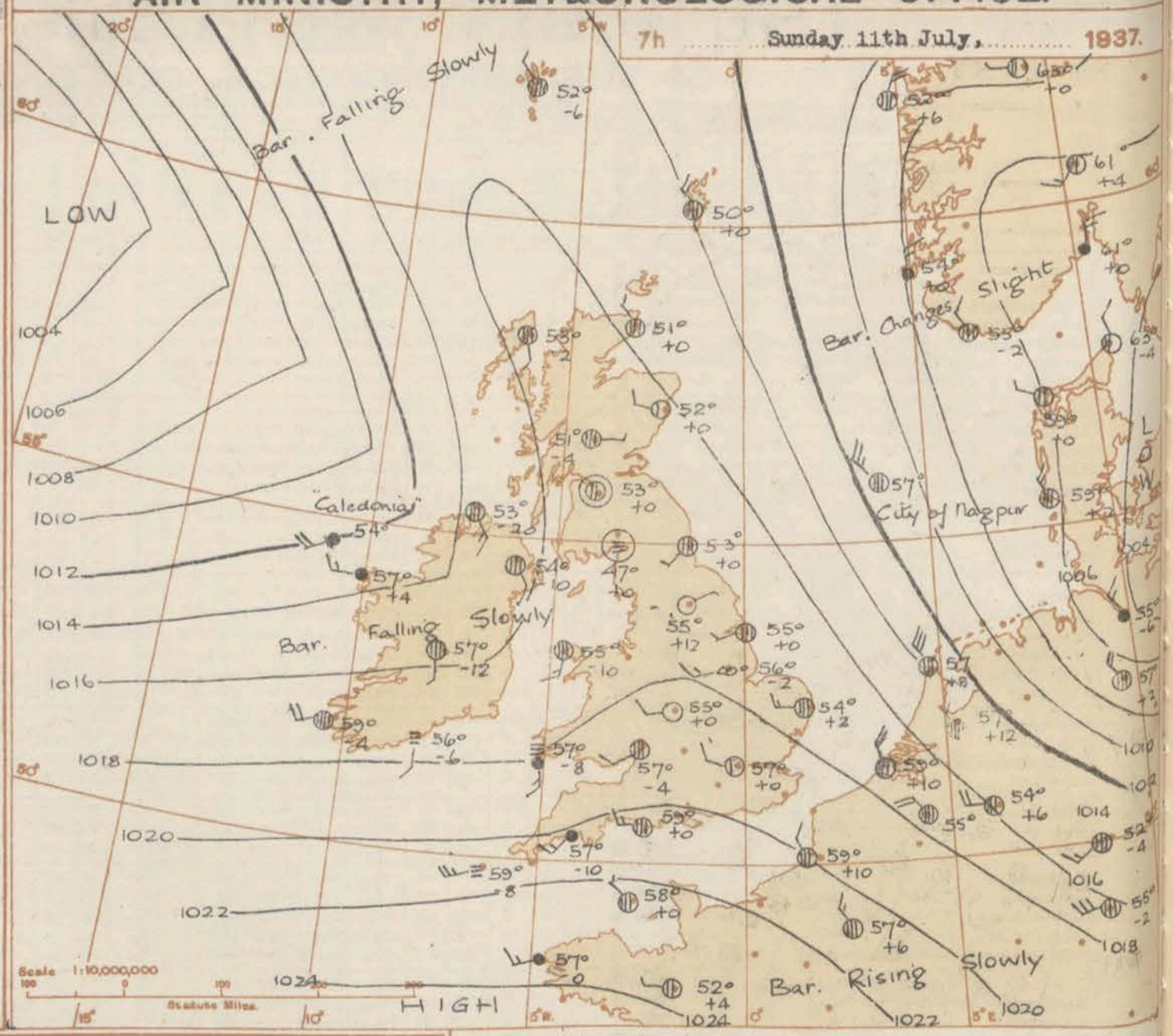
REPORTS from HEALTH RESORTS for July 10th 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 9th. to 9h. 10th.	Temperature (°F.) Max. 9h.—17h. 10th.	Rainfall (mm.) Night. 17h. 9th. to 9h. 10th.	Rainfall (mm.) Day. 9h.—17h. 10th.	Sunshine (Hrs.) Sunrise to 17h. 10th.	Sunshine (Hrs.) Sunrise to Sunset. 9th.
1	Tunbridge W.	cop	opbcc	48	64	0·3	1	6·3	0·1
	Bournemouth	cbc	pcbc	50	66	–	Trace	4·5	3·8
	Ventnor ...	bpbcu	bcpbc	53	66	Trace	Trace	3·9	1·1
	Southsea ...	bcc	cbc	53	67	–	–	7·0	1·3
	Bognor Regis	bcir.	bcir.	52	67	–	Trace	8·2	0·6
	Littlehampton	bc	bc	52	67	–	–	8·0	0·8
	Worthing ...	bbc	bcbbc	51	68	Trace	–	8·6	0·4
	Brighton ...	bcb	bc	53	69	Trace	–	9·3	0·5
	Eastbourne† ...	bc	bcpcy	53	66	0·3	0·5	8·1	0·6
	Hastings† ...	bcc	ccbrc	51	65	1	2	7·4	0·5
	Folkestone ...	bccrc	cotrc	52	65	2	3	6·1	0·1
	Dover ...	cpbc	cpbc	54	66	5	3	6·0	0·5
	Deal	circ	cicc	53	66	1	1	5·1	1·1
	Ramsgate ...	cpc	cbcc	53	65	2	0·3	5·3	0·4
	Margate ...	bccd	bcc	54	63	3	0·1	5·6	0·5
2	Southend ...	cbc	cbc	53	66	0·3	0·3	5·9	0·2
	Maldon ...	bccp	bcc	52	64	Trace	1	4·8	1·0
	Clacton-on-Sea	cbctbc	cbc	52	65	1	1	5·9	0·9
	Dovercourt ...	bcrbc	cbcoc	52	69	3	3	6·6	1·1
	Lowestoft ...	crbtl	prbcc	48	63	5	2	3·1	3·1
	Skegness ...	bc	bcpbc	48	64	0·1	Trace	3·9	1·4
	Mablethorpe...	bcc	bcco	48	64	Trace	–	5·4	1·0
	Cleethorpes ...	bc	bccr.	50	66	0·3	Trace	6·6	2·3
3	Leamington S.	c	c	52	63	3	–	2·1	3·3
4	Cheltenham†	cbcc	c	52	65	Trace	–	3·2	4·8
5	Bath	bcbc	bbcc	54	65	–	Trace	7·7	5·3
	Weymouth ...	bbc	cb	54	66	–	–	7·5	5·0
	Jersey ...	cbcc	cbc	56	62	–	–	4·6	3·7
	Torquay ...	cvqv	cbcq	54	62	–	–	2·7	7·1
	Penzance ...	bcc	bcb	54	65	–	–	4·2	8·8
	St. Ives ...	c	c	55	61	–	–	1·8	6·5
	Bude... ...	bccbc	bc	54	62	–	–	5·9	7·4
	Ilfracombe ...	cbcc	ccbc	55	61	–	–	3·7	4·6
6	Aberystwyth	prcbc	bcc	54	62	1	–	4·2	3·0
7	Llandudno ...	cbc	bcb	52	62	1	–	6·2	4·3
	Colwyn Bay...	bc	bcbbc	52	64	2	–	5·7	4·3
	Rhyl	c	cbcc	53	65	2	–	5·8	4·8
8	Wallasey ...	c	cbc	53	63	–	–	3·6	4·5
	Southport ...	cpoc	bcc	53	64	1	0·4	3·3	2·8
	Blackpool ...	opqc	cbc	53	61	1	0·3	3·2	4·8
	Morecambe ...	cbbc	cbc	53	61	–	–	1·2	5·3
9	Ilkley... ...	bc	odo	49	61	1	Trace	3·6	4·5
	Harrogate ...	bccp	c	~~49~~	61	–	0·1	3·1	4·3
10	Berwick-on-T.	orr.	oc	46	55	4	4	1·0	0·6
11	Dunbar ...	crr	bc	45	56	7	1	1·6	1·2
12	Troon... ...	bcbbc	bcbc	51	62	–	–	4·7	4·2
	Douglas ...	bcq	bcq	50	63	0·3	–	8·5	7·2

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Sunday 11th July, 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light to moderate westerly winds; fair early, becoming cloudy with occasional rain later; average temperature.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Moderate westerly wind; cloudy; occasional rain; rather cool.
9 N. Midlands ...	As 1 - 4.
10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B.N.W. Scotland.} 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light or moderate variable winds; fair at first; occasional rain later; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate westerly winds; occasional rain at first; bright periods later, average temperature.

GENERAL INFERENCE.

A ridge of high pressure over Great Britain is moving eastwards while a depression to the southwest of Iceland is moving northeast. Rain will spread eastwards to all districts.

FURTHER OUTLOOK.

Bright periods and local showers.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

H.M. Stationery Office Press Kingsway W.C.2 T.&S.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of

SUNDAY, 11TH JULY,

1937.

HIGH

LOW

HIGH

LOW

LOW

HIGH

LOW

HIGH

LOW

LOW

LOW

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere: a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 11th July, 1937.

No. 27625

OBSERVATIONS at 1 hr. G.M.T. July 11th

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1013.5	+5	NW	2	c	57	75	6	5	-	-	3	3	5700
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016.8	+6.	NW	3	2_o	55	85	6	5	-	-	7.8	7.8	2500
	Manston ...	142	1017.3	+5	NW'W	4	bc	56	85	7	5	-	-	4.6	4.6	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1015.4	+18	NNW	3	$1r_o$	56	92	7	6	-	-	10	10	1500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1020.5	-6	NW	4	bc	57	85	6	4	-	-	2.3	2.3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1022.3	-6	W	2	c	55	97	8	8	6	-	7.8	7.8	2500
	Scilly (St. Mary's)	163	1023.0	-10	W'S	3	$1r_o$	56	97	6	6	-	-	9+	9+	1500
	Guernsey ..	175	1022.6	-2	WNW	2	bc	56	92	5	-	3	-	0	2.3	-
6	Pembroke ...	142	1019.6	0	W'N	3	c	56	92	6	5	-	-	7.8	7.8	1500
7	Holyhead ...	26	1016.8	0	W	1	bc	54	92	8	5	-	-	2.3	2.3	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017.2	+12	NW'W	5	q	53	92	7	-	3	-	0	2.3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1017.0	+4	NW	1	c	51	86	6	3	-	-	7.8	7.6	800
11	St. Abbs Head	280	1016.5	0	W	1	bc	53	85	6	1	4	-	2.3	4.6	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1018.3	+4	NWN	2	b	53	92	6	4	4	-	Tr	1	4000
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1016.5	-4	NW	1	c	52	75	6	5	7	-	7.6	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1016.4	+2	NW	1	c	50	85	6	5	7	-	3	10	1500
16	Lerwick ...	156	1014.0	+2	NW	3	c	50	92	6	5	7	-	7.6	10	800
17	Blacksod Point	18	1015.4	-30	S	3	c	53	92	8	3	-	-	3	3	1500
18	Malin Head ...	84	1018.3	-12	S	1	bc	47	97	7	4	-	1	4.6	4.6	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1018.1	-10	SSW	3	dr	60	97	5	5	-	-	10	10	220
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. July 11th

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1013.6	+2	WSW	2	b	57	85	6	-	4	1	0	Tr	-	0	*
1013.4	0	W'N	2	b	57	85	7	-	4	-	0	Tr	-	0	*
1013.0	0	W'N	1	b	57	85	6	1	5	-	Tr	1	2500	0	*
1013.9	0	WNW	2	c	55	92	7	5	7	-	4.6	7.8	220	1	*
1020.5	0	WSW	2	bc	56	85	8	1	3	-	Tr	4.6	4000	1	1
1013.7	+2	NW'N	1	2_o	55	85	6	-	3	-	0	Tr	-	1	8
1016.7 (1013.7)	+6	NW	3	b	57	75	7	5	3	-	Tr	Tr	1500	1	*
1013.0	+2	WNW	2	b	58	75	6	-	-	-	0	0	-	0	*
1018.5	+6	N'N	3	c	55	75	7	5	7	-	7.8	9	4000	1	2
1017.8	+2	W	3	c	54	85	7	5	-	-	9	9	2500	1	2
1018.4	+2	W	2	2_o	55	85	6	5	-	-	4.6	4.6	5700	1	*
1017.8	-2	W'S	3	2_o	56	85	6	5	5	-	Tr	Tr	2500	1	*
1018.6	0	WSW	2	b	55	85	8	-	-	5	0	1	-	1	*
1019.4	0	W	1	bc	56	85	8	-	4	5	0.	2.3	-	1	*
1018.6	-4	SW	2	c	57	75	7	1	7	-	Tr	7.8	2500	0	*
1020.0	-2	W	3	c	58	85	6	5	3	-	4.6	7.8	1500	0	*
1020.3	0	W	3	c	59	92	6	4	4	-	7.8	9	2500	0	3
1020.5	-10	SW	3	2_o	57	97	7	-	2	-	10	10	450	1	2
1020.5	-10	WSW	4	df	57	97	2	5	-	-	10	10	450	1	2
1020.4	-8	W'S	3	1 mile	55	97	3	-	-	-	10	10	450	1	3
1022.1	0	NW	1	c	58	92	3	6	-	-	10	10	2500	0	2
1017.7	-8	S	3	rf	57	92	2	5	-	-	10	10	1500	1	2
1017.0	-10	S'W	3	c	55	92	8	5	2	-	1	9	4000	1	2
1017.9	-4	SE	1	bc	55	92	7	-	3	-	0	4.6	-	0	*
1018.2	-2	-	0	2_o	52	97	5	-	5	-	0	2.3	-	1	*
1017.2	0	SW'W	1	c	55	92	7	5	2	-	7.8	10	4000	0	1
1016.5	+2	ENE	1	b	55	85	7	1	5	-	Tr	Tr	4000	0	*
1017.0	0	SW	1	c	53	85	5	-	2	-	7.8	7.8	1500	1	1
1016.0	+2	SE	1	c	56	65	6	6	6	2	4.6	7.8	4000	1	2
1016.4	0	-	0	bc	51	92	6	5	5	3	1	4.6	4000	1	*
1016.4	0	-	0	bc	53	85	6	7	5	6	4.6	7.8	5700	1	*
1016.7	0	-	0	f	47	97	2	-	-	-	10	10	<150	1	*
1016.3	-8	-	0	c	57	85	8	5	3	-	4.6	7.8	4000	0	1
1015.1	-6	S'E	1	c	52	92	3	4	3	-	1	3+	2500	0	1
1016.0	-2	SSE	1	c	53	75	3	1	3	-	Tr	3	4000	1	0
*	-4	E	1	c	51	85	8	4	-	7	Tr	3	4000	0	*
1016.2	0	W'N	2	b	52	85	8	1	3	1	Tr	1	1500	1	1
1015.5	0	NW	1	c	51	85	8	5	2	-	7.8	9	1500	1	1
1014.5	0	NW	3	c/d	50	92	8	8	7	-	4.6	9	800	0	*
1013.6	+4	W	3	DD	57	97	6	6	-	-	10	10	450	1	3
1014.3	-20	SE	3	c	53	92	7	4	2	-	7.8	9	1500	0	1
1015.5	-10	SE'S	2	c	54	85	8	5	7	-	1	10	1500	1	*
1014.5	-12	S	1	c/r	57	97	7	5	-	-	10	10	2500	1	*
1016.7	-4	WSW	4	c/d	59	97	6	5	-	-	10	10	<150	1	3
1016.7	-6	S	2	it	56	97	7	5	-	-	10	10	220	1	2

PAST 24 HOURS.

District	Stations	Temperatures. Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h-18h ins. (34)	Rainfall. Night 18h-7h ins. (35)	Sunshine. Hrs. (36)
1	London (Kew)	65	52	45	1	-	2.7
	Croydon	64	51	48	1	Tr	3.3
	S. Farnborough	64	46	36	0.1	-	5.2
	Boscombe Down	64	48	43	-	-	4.3
	Calshot (Sthmtn.)	65	49	46	Tr	-	7.5
	Lympne	66	49	46	3	1	6.5
	Manston	65	54	52	0.4	Tr	5.0
2	Shoeburyness	66	49	43	0.6	-	5.7
	Felixstowe	64	51	49	7	1	5.5
	Gorleston	63	51	49	7	0.3	4.4
	Mildenhall	64	48	45	3	Tr	3.3
	Cranwell	63	51	48	1	0.1	2.7
3	Birmingham	61	50	45	0.1	-	3.7
	Upper Heyford	63	46	37	0.5	0.1	*
4	Ross-on-Wye	63	46	39	-	-	4.3
5	Bristol	65	50	44	Tr	-	5.4
	Portland Bill	62	56	*	-	-	*
	Plymouth	62	56	53	Tr	Tr	5.6
	The Lizard	62	54	*	-	0.1	*
	Scilly (St. Mary's)	63	55	*	Tr	1	8.8
	Guernsey	65	55	52	Tr	-	10.1
6	Pembroke	60	55	*	-	3	4.6
7	Holyhead	60	50	39	-	-	9.1
	Chester (Sealand)	62	44	39	Tr	-	6.0
8	Manchester	62	45	43	2	0.1	0.7
10	Spurn Head	64	51	*	0.1	-	6.2
	Catterick	60	45	42	Tr	-	5.0
	Tynemouth	58	51	46	2	-	3.4
11	St. Abbs Head	55	50	*	3	Tr	*
	Leuchars	61	41	34	1	-	4.2
12	Renfrew (Abbotsl.)	67	40	35	Tr	Tr	3.9
	Eskdalemuir	56	45	40	Tr	Tr	2.4
	Point of Ayre	63	45	*	-	-	11.3
13A	Tiree ...	60	45	37	-	-	13.6
13B	Stornoway	60	50	*	-	-	5.2
15	Dalwhinnie	57	34	28	-	-	0.5
	Aberdeen	60	43	37	4	Tr	3.1
	Wick	57	50	*	-	-	*
16	Lerwick	55	48	*	Tr	Tr	0.1
17	Blacksod Point	58	50	*	Tr	3	*
18	Malin Head	58	46	*	0.1	-	6.3
	Aldergrove	62	42	33	Tr	0.1	3.3
19	Birr Castle	62	53	49	Tr	6	1.1
20	Valentia Obsy.	60	55	54	Tr	5	0.4
	Roches Point	62	55	*	0.2	1	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	cbrcbrc	cy	cycbcb	65	52	45	1	-	2.7	*	*	8
Croydon	217	bcbrq	PRqcy	cicdcvb	64	51	48	1	Tr	3.3	*	*	8
Greenwich (Royal Observatory)...	149	cpbc	cy	cb	63	51	39	2	-	4.0	45	62	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	3.9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	67	53	48	4		4.1	42	65	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	66	52	45	2	-	4.3	52	59	*
Camden Square	110	c	c	*	67	52	45	2	-	*	*	63	*
Kensington	80	c	bc	*	66	52	44	-	Tr	5.0	At 18h. 69		*
Hampstead Observatory	450	c	bcor	obc	64	48	42	2	Tr	4.2	*	72	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
0.3	whole period		

Kew Observatory.

Max.	Time.	Min.	Time.
0.1	0-1hr 11th	0.1	rest of period

FOREIGN OBSERVATIONS.

18h. G.M.T. July 10th

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1018.2	WNW	5	c	64
Brussels	1013.5	WNW	3	c	55
Berlin	1006.3	SW	3	c	61
Zürich	1016.2	WNW	5	bc	63
Rome	1012.9	SSW	3	bc	75

7h. G.M.T. July 11th

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1020.7	NW	3	c	57
1017.0	NW	4	c	55
1006.0	WSW	4	c	55
1018.4	W	1	c	54
1009.4	SE'S	1	c	75

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
68	54	Tr	-
64	*	7	*
79	54	5	Tr
73	50	Tr	5
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 3, 22.—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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each: by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 12th July, 1937.
No. 27626

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. July 11th. Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°Temp. °F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1016·6	+4	SW	3	c	67	55	6	4	2	-	4-6	10	2500
	Croydon ...	1018·7	-6	SW'N	4	c	66	55	8	1	7	-	4-6	9+	4000
	S. Farnborough	1019·0	-2	SW	3	ir.	68	75	8	5	2	-	7-8	10	2500
	Boscombe Down	1019·3	-6	S	3	rr	56	97	5	6	2	-	9+	10	450
	Calshot (Sthmtn.)	1020·2	-2	SSW	3	dd	59	85	5	3	-	-	10	10	450
	Lympne ...	1019·2	-6	WSW	3	c	64	65	8	8	-	-	7-8	7-8	4000
	Manston ...	1016·5	-6	NW'N	2	c	67	55	7	8	-	-	7-8	7-8	4000
2	Shoeburyness ...	1018·4	-10	SW'N	3	c	69	45	8	2	6	-	4-6	7-8	4000
	Felixstowe ...	1018·0	-6	W	2	c	68	46	8	8	3	-	4-6	7-8	4000
	Gorleston ...	1017·6	-6	NNE	3	c	65	65	7	8	-	-	7-8	7-8	2500
	Mildenhall ...	1017·1	-10	W'S	3	c	68	65	8	8	5	-	4-6	7-8	4000
	Cranwell ...	1016·6	-6	W'S	2	c	68	55	8	2	3	-	4-6	9	4000
3	Birmingham ...	1017·8	-2	SSW	3	id.	59	85	7	5	2	-	7-8	10	800
4	Upper Heyford	1018·5	-2	SW	3	c	64	65	8	5	7	8	4-6	9+	2500
	Ross-on-Wye	1017·4	-10	S'E	3	id.	57	92	6	6	-	-	10	10	800
5	Bristol ...	1018·2	-16	SSW	3	id.	60	92	6	6	2	-	7-8	10	800
	Portland Bill ...	1018·4	-16	SW	4	c	59	92	6	5	-	-	10	10	1500
	Plymouth ...	1019·0	-6	S'S	3	d.d.	60	97	5	-	2	-	10	10	4150
	The Lizard ...	1020·3	0	W	4	c/f	60	97	6	5	-	-	10	10	800
	Scilly (St.Mary's)	1020·2	-2	SW'W	5	z.	61	92	6	5	-	-	10	10	800
	Guernsey ...	1021·9	-2	W	4	d.d.	59	97	4	5	-	-	10	10	800
6	Pembroke ...	1015·6	-4	W	5	f	59	97	2	5	-	-	10	10	1500
7	Holyhead ...	1014·8	-10	SSW	4	c	60	85	8	5	2	-	7-8	10	800
	Chester(Sealand)	1015·9	-8	SSE	3	c	63	65	7	-	2	-	10	10	4000
8	Manchester ...	1016·4	-10	SSW	2	ir.	62	75	7	8	2	-	2-3	9+	2500
10	Spurn Head ...	1015·5	-4	SE	2	c	64	92	6	-	7	-	0	7-8	-
	Catterick ...	1015·3	-10	N'W	1	c	66	55	9	2	9	-	4-6	7-8	4000
	Tynemouth ...	1016·0	-6	SE	2	c	57	75	6	2	6	-	4-6	7-8	1500
11	St. Abbs Head	1015·8	-6	SE	3	c	57	85	8	8	6	1	4-6	7-8	2500
12	Leuchars ...	1015·7	-4	E	3	cjp	61	65	6	7	7	2	4-6	7-8	2500
	Renfrew (Abbotsl.)	1014·7	-10	SW	2	bc	65	55	9	7	3	-	4-6	4-6	4000
	Eskdalemuir ...	1014·9	-6	SW	3	c	61	55	8	7	7	-	4-6	9+	2500
	Point of Ayre...	1015·4	-4	S	3	c/r	58	92	8	8	7	-	2-3	10	1500
13A	Tiree	1014·3	-6	SE'S	2	c	60	65	9	1	9	-	Tr	9+	4000
13B	Stornoway ...	1015·5	-4	ESE	3	c	57	65	9	5	7	7	2-3	7-8	4000
15	Dalwhinnie ...	*	-4	E	2	c	59	75	8	4	1	-	4-6	10	4000
	Aberdeen ...	1015·7	-2	SE	3	c	58	65	8	8	9	4	4-6	7-8	4000
	Wick ...	1015·3	-4	S	1	c	53	85	8	5	7	-	7-8	9	1500
16	Lerwick ...	1014·1	-2	NW	3	c	55	85	8	8	7	-	4-6	9	1500
17	Blacksod Point	1014·7	+12	W	3	c	60	85	8	5	-	-	10	10	1500
18	Malin Head ...	1013·7	+2	SW	1	c	60	92	7	8	2	-	4-6	9	1500
	Aldergrove ...	1014·3	-6	SE	1	c/d	59	92	8	5	1	-	9+	10	800
19	Birr Castle ...	1014·6	+4	SW	2	c/f	63	85	8	8	1	-	7-8	9+	2500
20	Valentia Obsy. †	1017·2	-2	W'S	2	c	61	92	7	5	1	-	10	10	800
	Roches Point	1016·3	+2	W'N	3	c	66	75	9	3	5	5	2-3	7-8	1500

District	Stations.	OBSERVATIONS at 18h. G.M.T. July 11th. Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather. (19)	°Temp. °F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1016·7	-12	SSW	3	id.	63	85	7	5	2	-	7-8	10	1500	1	*
	Croydon ...	1017·0	-12	S'W	3	c	61	85	8	5	2	-	7-8	10	2500	0	*
	S. Farnborough	1016·6	-16	S	2	id.	61	92	7	6	2	-	9+	10	1500	1	*
	Boscombe Down	1016·1	-16	SW'W	3	dd	62	97	5	6	2	-	9+	10	800	1	*
	Calshot (Sthmtn.)	1017·3	-14	SW'S	4	c/r	62	97	6	5	-	-	10	10	450	1	3
	Lympne ...	1018·1	-10	SSW	3	ir.	58	92	7	6	-	-	10	10	450	1	2
	Manston ...	1017·0	-6	WSW	3	c	63	65	8	5	7	-	4-6	9	2500	1	*
2	Shoeburyness ...	1016·8	-8	SW	3	c	65	75	8	9	7	-	7-8	9+	1500	0	*
	Felixstowe ...	1016·0	-12	SW	4	c	67	55	8	8	7	-	4-6	7-8	2500	0	2
	Gorleston ...	1015·8	-10	E'N	2	bc	61	85	6	8	3	-	2-3	4-6	2500	0	2
	Mildenhall ...	1015·5	-4	SW'W	3	c	67	65	8	5	7	-	1	9+	4000	1	*
	Cranwell ...	1015·0	-6	W'S	3	c/pr	65	75	8	8	7	-	7-8	9+	2500	1	*
3	Birmingham ...	1015·6	-10	SSW	2	z.	59	97	6	5	-	-	10	10	1500	1	*
4	Upper Heyford	1016·4	-16	S	2	c/r	59	92	5	-	2	-	10	10	450	1	*
	Ross-on-Wye	1014·8	-10	W'S	3	c	65	85	8	5	-	-	7-8	7-8	2500	1	*
5	Bristol ...	1016·8	-2	W	3	dr	61	97	5	6	2	-	9	10	800	1	*
	Portland Bill ...	1016·6	-6	SW	5	c	60	92	7	4	-	-	7-8	7-8	2500	1	4
	Plymouth ...	1018·3	-6	SW	3	id.	60	97	5	6	-	-	10	10	450	1	2
	The Lizard ...	1019·4	0	W'S	5	f+	59	97	2	5	-	-	10	10	450	1	2
	Scilly (St.Mary's)	1019·6	-4	WSW	5	id.	59	97	5	5	-	-	10	10	800	1	3
	Guernsey ...	1021·0	-6	W'N	4	o	60	97	6	5	-	-	10	10	1500	1	3
6	Pembroke ...	1015·1	-2	W	4	f	57	97	1	-	-	-	10	10	4150	1	3
7	Holyhead ...	1014·2	-4	SSW	2	bc	65	85	8	7	5	4	2-3	4-6	2500	1	1
	Chester(Sealand)	1014·4	-6	SE	3	c/d	61	92	6	-	2	-	10	10	800	0	*
8	Manchester ...	1015·0	-6	S	1	d.d.	60	92	6	6	2	-	4-6	10	450	1	*
10	Spurn Head ...	1015·1	-10	ESE	3	c	60	92	6	5	7	-	4-6	7-8	2500	0	2
	Catterick ...	1013·5	-8	WSW	3	c	67	65	9	1	7	-	1	9+	4000	0	*
	Tynemouth ...	1014·9	-6	SE	2	bc	56	75	8	7	-	1	4-6	4-6	2500	0	1
11	St. Abbs Head	1014·9	-6	SE	3	bc	54	85	8	2	3	1	2-3	4-6	4000	0	1
12	Leuchars ...	1014·4	-6	E	2	bc	58	75	8	-	3	-	0	4-6	-	1	*
	Renfrew (Abbotsl.)	1013·7	-4	-	0	c	64	65	9	5	7	-	4-6	9+	4000	0	*
	Eskdalemuir ...	1013·8	-6	SW	2	c	61	65	8	5	9	-	4-6	7-8	2500	0	*
	Point of Ayre...	1014·3	-10	S	2	c	57	97	7	5	-	-	10	10	1500	0	1
13A	Tiree	1013·3	-8	SSE	3	c	57	85	9	1	7	-	Tr	9+	4000	0	2
13B	Stornoway ...	1014·2	-8	NE	3	bc	57	65	9	1	4	-	Tr	2-3	4000	1	1
15	Dalwhinnie ...	1014·3	-4	S	1	c	61	65	8	4	4	-	4-6	7-8	4000	0	*
	Aberdeen ...	1015·0	-4	SE'S	2	c	55	75	8	7	-	1	7-8	7-8	7200	0	1
	Wick ...	1014·9	-4	S	1	c	54	75	8	5	7	-	4-6	7-8	1500	1	*
16	Lerwick ...	1014·1	0	NW	3	c	54	85	8	8	7	-	7-8	9+	800	0	*
17	Blacksod Point	1014·5	-10	W	3	c	57	92	8	5	-	-	10	10	1500	0	3
18	Malin Head ...	1013·3	-2	W'N	3	c	57	97	7	8	-	5	4-6	9	2500	0	1
	Aldergrove ...	1013·5	-6	-	0	c	63	75	8	8	3	8	4-6	9	1500	1	*
19	Birr Castle ...	1014·6	-4	W	1	c	65	75	8	5	3	1	4-6	9	2500	1	*
20	Valentia Obsy. †	1015·6	-10	S	3	r.r.	60	97	6	5	-	-	10	10	220	1	3
	Roches Point	1015·7	-4	SW	2	r.r.	61	97	7	6	1	-	7-8	10	1500	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. ...11th. (37)	Weather. 13h.—18h. ...11th. (38)	Weather. 18h.(11th.) to 1h.(12th.) (39)	Weather. 1h.—7h. 12th. (40)
1	London (Kew)	bbccy	cycid.	ddid.	id.om.
	Croydon ...	bbccy	cyir.c	od.d.mr.	om.
	S. Farnborough	cyir.c	cdir.o	om.d.d.	om.rer.
	Boscombe Down	cr.r.r	rrcdd	ddc	cr.r.
	Calshot (Sthmtn.)	bcc.ir.	ddr.r.m.	oid.c.m.	en.r.m.
	Lympne ...	bz.c	ebcd.r.	ofd.r.d.m.	om.
	Manston ...	bbccy	cbcyc	cm.ddm	oddmcm.
2	Shoeburyness ...	bm.bcy	bcy.bc	cpc	m.c
	Felixstowe ...	cbcy	bcy.cy	cyc	c
	Gorleston ...	cbcc	cbc	bcc	cz.z.
	Mildenhall ...	bcz.c	cir.	cr.r.	~~cir.~~ cr.m.
	Cranwell ...	bm.bbc	cy.pr.	c	cm.
3	Birmingham ...	bbcid.	ddo	c	c
4	Upper Heyford	bcc	cr.r.r.m.	om.r.d.m	am.m.
	Ross-on-Wye	corod	oc	cbcc	cr.o.r.d.
5	Bristol ...	r.r.r.r.	idr.r.	cd.r.m.	cr.r.f.
	Portland Bill ...	irodd	cpre	rr	orr
	Plymouth ...	or.r.d.d.	odd.r.id.	oid.r.r.m.	orr.r.i.
	The Lizard ...	d.f.f.m	om.ffc	f.m.r.o	om.d
	Scilly (St.Mary's)	f.f.c.o	m.id.	oid.	oid.m
	Guernsey ...	cod.	odd.	orr	orid
6	Pembroke ...	ff.i.R.q.	c.f.f.f.q.o	FF i r o	FF i r o
7	Holyhead ...	d.d.m.c	c.bc	bcc	bcc
	Chester(Sealand)	bcy.c.i.	cddm.	cb.w.m.	b.w.m.f.b.m
8	Manchester ...	bcc.p.r.c	cr.ir.d.d.	cd.d.o.l.d.	cm.
10	Spurn Head ...	c .	c	cbc	b.c.w.m.f.
	Catterick ...	bbccy	cyc	cm.	cm.bcz.
	Tynemouth ...	cbc	cbc	c	c
11	St. Abbs Head	c	bc	bc	cm.
12	Leuchars ...	bccjp	cjpbc	bcbw	bwc
	Renfrew (Abbotsl.)	bccbc	bcyc	cbcc	wcm.bc
	Eskdalemuir ...	fcbcc	cbcc	c	cocw
	Point of Ayre...	cir.	cid.	cifif	iff w
13A	Tiree	cv	vc	cld.	cld.
13B	Stornoway ...	cv	cbcv	b.c	c
15	Dalwhinnie ...	c	c	*	c
	Aberdeen ...	bbcvc	cbcc	cbcb	~~b.w.x.~~ b.c.c.
	Wick ...	c	c	cbc	bc
16	Lerwick ...	cpr.	c	cld.	cpr.
17	Blacksod Point	id	prc	c	id
18	Malin Head ...	c	cidm.	cld.c.	c
	Aldergrove ...	c.c.d.d.d.d	c.d.d.m.	c	cm.
19	Birr Castle ...	circ	c	cirv	cir
20	Valentia Obsy. †	od.d.c	rrr.r.	r.r.r.R.r.r.	r.r.R.R.d.
	Roches Point	l.f.i.d.c.v	cr.r.6	ifdrdr	crr

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fa, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r., slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ◑ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Camulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

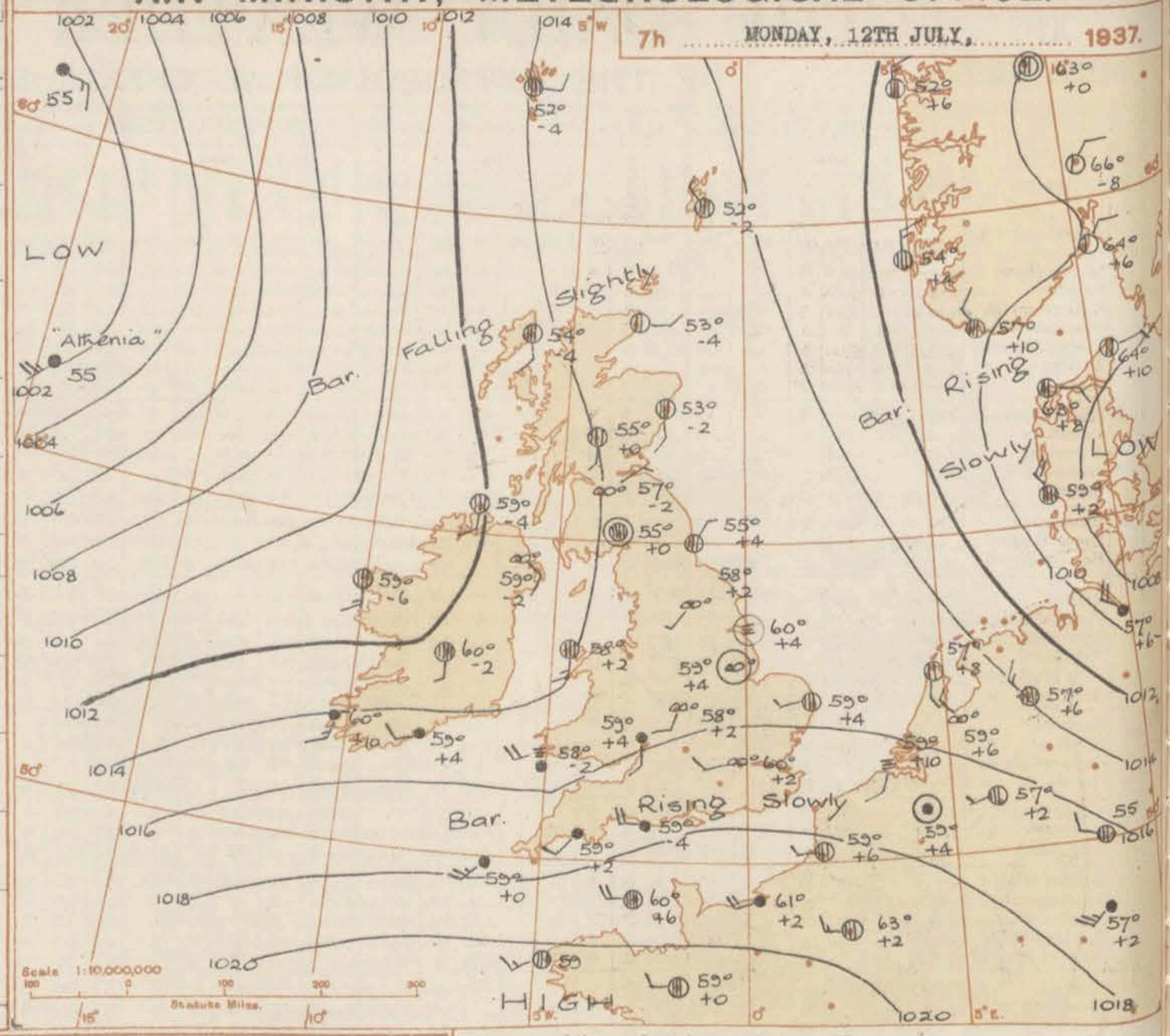
REPORTS from HEALTH RESORTS for July 11th. 1937.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F.) Min. 9h. 10th to 9h. 11th.	Temperature (°F.) Max. 9h.—17h. 11th.	Rainfall (mm.) Night. 17h. 10th to 9h. 11th.	Rainfall (mm.) Day. 9h.—17h. 11th.	Sunshine (Hrs.) Sunrise to 17h. 11th.	Sunshine (Hrs.) Sunrise to Sunset. 10th.
1	Tunbridge W.	bcco	opo	46	67	-	Trace	5·9	6·4
	Bournemouth	bcor	r	49	62	Trace	5	2·0	6·2
	Ventnor ...	bov	orm	53	61	-	3	3·6	11·2
	Southsea ...	cor	orr	53	65	-	2	3·1	7·9
	Bognor Regis	berr	rro	51	62	-	4	4·3	9·0
	Littlehampton	bcc	ccro	50	63	-	1	4·5	8·6
	Worthing ...	bbc	codd	51	67	-	2	5·8	9·0
	Brighton ...	berm	o	53	64	-	1	5·3	9·4
	Eastbourne† ...	bbco	ocpr	54	65	-	0·4	6·8	8·4
	Hastings† ...	bbcc	ccod	51	66	-	Trace	6·4	7·6
	Folkestone ...	bbcc	cbcc	52	66	0·5	-	8·1	6·9
	Dover ...	bcc	cbcc	53	66	0·6	-	6·8	6·7
	Deal	bbco	cbc	53	70	-	-	6·7	5·6
	Ramsgate ...	bc	bc	56	70	-	-	8·0	5·7
	Margate ...	bc	bc	55	68	-	-	10·0	6·0
2	Southend ...	b	bbc	51	74	Trace	-	10·0	6·1
	Malden ...	bbc	bbc	51	72	-	-	8·5	4·8
	Clacton-on-Sea	bc	bc	50	71	0·2	-	10·1	5·9
	Dovercourt ...	bcv	bcv	51	72	Trace	-	10·5	6·6
	Lowestoft ...	cbcb	b	50	69	1	-	7·2	3·3
	Skegness ...	bc	bc	48	68	0·2	-	6·2	3·9
	Mablethorpe...	bcbcc	bc	45	65	Trace	-	6·8	5·4
	Cleethorpes ...	cbc	bc	49	66	0·3	-	7·3	6·6
3	Leamington S.	bcc	cod	48	64	Trace	0·4	4·8	2·4
4	Cheltenham†	cip	coir	48	63	-	1	3·4	3·3
5	Bath	rrc	cir	51	64	0·3	2	0·5	8·1
	Weymouth ...	bcrd	drdc	52	62	-	4	0·9	8·2
	Jersey ...	cbcd	cdc	56	61	-	1	0·4	6·7
	Torquay ...	adp	oidpc	54	66	0·3	1	0·1	3·1
	Penzance ...	ddo	o	56	64	0·5	Trace	0·0	5·6
	St. Ives ...	p	d	55	65	1	0·3	1·3	3·7
	Bude... ...	mr	r	57	60	1	4	0·0	7·2
	Ilfracombe ...	ord	orz	55	62	1	1	0·0	4·0
6	Aberystwyth	cpr	prc	55	64	0·5	1	0·0	4·2
7	Llandudno ...	crc	cdc	50	65	-	1	2·3	8·4
	Colwyn Bay...	co	obcc	49	65	-	-	1·9	8·4
	Rhyl	c	cdc	47	65	-	0·5	1·7	7·9
8	Wallasey ...	cp	oir	53	65	-	2	1·8	6·9
	Southport ...	c	pd	51	65	-	Trace	2·8	3·6
	Blackpool ...	cd	odo	52	63	-	Trace	4·0	3·8
	Morecambe ...	bcbbc	bpbcc	54	63	-	-	4·0	2·2
9	Ilkley... ...	bc	bcpc	51	70	Trace	Trace	7·5	3·7
	Harrogate ...	b	bbcc	49	69	-	-	8·9	3·2
10	Berwick-on-T.	bc	cbc	49	57	-	-	4·7	2·5
11	Dunbar ...	bc	bc	49	57	-	-	6·1	2·9
12	Troon... ...	bcbcc	cbcc	49	61	-	-	3·6	7·0
	Douglas ...	cb	cbadm	46	57	-	3	1·1	12·1

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... MONDAY, 12TH JULY, ... 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. In tenths of millibars is entered beneath the temperature.

Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th, July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light to moderate southwest winds; cloudy, occasional rain or drizzle; average temperature; coastal fog in the South.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Moderate or fresh southwest winds; cloudy, occasional rain, fair periods later; average temperature; coast fog at first.
10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B.N.W.Scotland.} 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light variable winds, becoming moderate or fresh southwest; fair at first, cloudy, occasional rain later; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh southwest winds; cloudy, occasional rain, fair periods later; average temperature.

GENERAL INFERENCE.

A large depression south of Iceland is moving eastnortheast. Weather will be generally cloudy with occasional rain or drizzle and average temperature. Fair periods will spread from the West later.

FURTHER OUTLOOK.

Continuing changeable.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Monday 12th July,
32
1937.

Clarke's Projection Scale 1: 4x10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. (T) Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 12th July, 1937.

No. 27626

OBSERVATIONS at 1 hr. G.M.T. July 12th

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1016·1	-2	WS	3	S/r	61	97	6	–	2	–	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016·1	-10	W'N	2	z.	59	97	6	5	–	–	10	10	450
	Manston ...	142	1015·6	-6	SW	1	dd	59	97	4	6	–	–	10	10	460
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1015·4	-4	–	0	c	59	85	6	5	–	–	7-8	7-8	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1017·1	-4	W	4	rr	59	92	7	5	–	–	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1018·4	-6	WSW	5	0	58	97	7	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	1018·4	-6	SWW	4	ld.	59	97	7	5	–	–	10	10	1500
	Guernsey ..	175	1020·5	-2	W	4	rr	59	97	4	5	–	–	10	10	800
6	Pembroke ...	142	1014·4	-2	W	3	rf	58	97	1	–	–	–	10	10	<150
7	Holyhead ...	28	1013·9	-6	SSW	8	bc	57	92	8	5	3	–	2-3	4-6	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1014·6	0	WSW	1	bc	58	97	7	–	1	–	0	4-6	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1014·9	-4	SE	2	c	55	85	7	–	2	–	7-8	7-8	1500
11	St. Abbs Head	280	1014·3	-4	SE	2	bc	49	97	8	2	4	1	2-3	4-6	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1014·6	0	–	0	if	52	97	3	–	4	–	0	7-8	–
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1013·8	-6	NNE	2	c	49	97	8	5	7	–	4-6	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1015·1	-4	S	1	bc	51	92	8	5	1	–	2-3	2-3	1500
16	Lerwick ...	158	1014·9	0	NW	1	c	51	97	8	8	7	–	7-8	10	800
17	Blacksod Point	18	1012·1	-10	S	3	c	57	92	7	5	–	–	10	10	1500
18	Malin Head ...	84	1013·3	0	–	0	c	56	97	7	5	–	–	9	9	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1012·8	-6	SSW	4	dd	60	97	4	5	–	–	10	10	450
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. July 12th

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1016·4	+4	WSW	2	z.	60	92	6	5	–	–	10	10	800	1	*
1016·4	+2	SWW	2	z.	60	92	6	5	–	–	10	10	450	1	*
1016·4	+4	W'S	2	r.r.	61	97	6	6	2	–	9+	10	800	1	*
1016·2	0	SWW	2	r.r.	60	97	5	6	2	–	4-6	10	220	1	*
1016·8	+2	SWS	1	dr.	62	97	5	6	2	–	9+	10	450	1	1
1016·8	+6	W'N	1	z.	61	97	6	5	3	–	9+	9+	450	1	1
1015·6	+2	SSW	2	z.	62	97	5	5	3	–	4-6	9+	800	1	*
1016·0	+4	WSW	2	c	63	85	5	5	3	–	9	9+	2500	1	*
1015·4	+4	–	0	c	62	85	7	4	3	1	4-6	7-8	1500	0	0
1015·2	+4	WS	1	c	59	92	5	5	–	–	9+	9+	1500	0	2
1015·3	+4	SWS	1	z.	62	92	6	5	–	–	9	9	800	1	*
1015·2	+4	–	0	z.	59	92	6	5	2	–	9+	10	1500	1	*
1015·5	+2	SSW	2	z.	58	97	5	5	–	–	10	10	800	1	*
1016·5	+6	SW	2	r.	58	97	5	5	–	–	10	10	450	1	*
1015·6	+4	S	2	d.d.	59	97	6	6	–	–	10	10	800	1	*
1016·2	+2	W	1	r.r.	61	97	6	6	2	–	9	10	800	1	*
1016·3	-4	W	4	r.r.	59	92	6	5	–	–	10	10	1500	2	3
1017·1	+2	SW	2	r.	59	97	5	6	–	–	10	10	220	1	2
1017·8	+6	WSW	4	df	58	97	3	5	–	–	10	10	800	1	2
1017·6	0	SWW	5	ld.	59	97	4	5	–	–	10	10	800	1	3
1019·1	+6	W	4	S/a	60	97	6	5	–	–	10	10	1500	1	3
1013·6	-2	W'S	4	df	58	97	1	–	–	–	10	10	<150	1	3
1013·7	+2	S'W	3	c	58	97	8	5	7	–	7-8	10	<150	1	1
1014·0	-4	ESE	2	z.	60	92	6	5	3	–	4-6	7-8	9000	0	*
1014·5	+2	–	0	z.	60	92	5	5	3	–	4-6	9+	800	1	*
1015·5	+4	–	0	f+	60	97	3	5	–	–	9	9	450	1	0
1014·5	+2	SE	1	z.	58	85	6	5	–	5	4-6	4-6	4000	0	*
1014·9	+4	NE	1	c	55	92	6	5	–	–	9+	9+	2500	1	1
1014·7	0	S	2	c	53	92	6	5	6	–	4-6	9	2500	0	1
1014·6	0	NNE	1	c	53	92	7	5	–	–	10	10	450	1	*
1013·7	-2	NEE	1	z.	57	85	5	5	–	1	4-6	4-6	1500	0	*
1014·1	0	–	0	c	55	92	6	5	–	–	10	10	450	1	*
1013·8	-4	S'W	3	r-	56	97	3	–	–	–	10	10	<150	1	1
1012·2	-4	S'E	3	c	56	92	7	5	–	–	10	10	450	1	2
1012·1	-4	SSE	2	c	54	85	8	5	7	–	7-8	10	1500	0	1
1014·4	0	S	1	c	55	85	8	4	2	–	4-6	10	4000	0	*
1014·8	-2	S'E	2	c	53	85	7	5	–	–	9+	9+	1500	0	1
1014·3	-4	E	2	bc	53	85	8	5	7	–	2-3	4-6	1500	1	1
1014·5	-2	NW	1	c	52	92	8	8	7	–	7-8	10	800	1	*
1010·5	-6	S	3	c	59	92	7	9	–	–	10	10	800	0	3
1011·0	-4	S	2	c	59	97	7	4	1	–	7-8	9	2500	0	1
1012·9	-2	SEE	2	z.	59	92	6	5	7	–	4-6	9+	450	1	*
1012·3	-2	S	1	S/a	60	97	7	5	–	–	10	10	2500	1	*
1014·4	+10	SSW	3	d.d.	60	97	4	5	–	–	10	10	220	1	3
1014·1	+4	WSW	2	rr	59	97	7	6	2	–	7-8	10	800	1	2

PAST 24 HOURS.

District	Stations	Temperatures. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine Hrs. (36)
1	London (Kew)	69	59	56	Tr.	0·5	6·3
	Croydon ...	68	59	57	Tr.	0·5	6·1
	S. Farnborough	67	58	55	Tr.	1	5·0
	Boscombe Down	62	58	57	2	1	1·7
	Calshot (Sthmtn.)	63	59	58	2	2	3·1
	Lympne ...	66	57	57	Tr.	2	6·8
	Manston ...	70	57	51	–	2	8·2
2	Shoeburyness ...	72	59	59	Tr.	1	9·8
	Felixstowe ...	72	59	50	–	–	9·0
	Gorleston ...	67	57	56	–	–	10·6
	Mildenhall ...	71	59	58	Tr.	1	8·1
	Cranwell ...	70	56	52	Tr.	–	8·0
3	Birmingham ...	63	57	55	0·6	–	4·6
	Upper Heyford	66	54	50	1	0·3	*
4	Ross-on-Wye	65	57	53	1	2	3·0
5	Bristol ...	63	58	57	3	5	0·7
	Portland Bill ...	60	58	*	3	10	*
	Plymouth ...	61	58	58	2	7	0·0
	The Lizard ...	60	57	*	Tr.	2	*
	Scilly (St. Mary's)	62	58	*	0·1	0·2	0·0
	Guernsey ..	62	58	58	0·6	5	0·0
6	Pembroke ...	59	56	*	7	10	0·0
7	Holyhead ...	65	56	54	0·5	–	2·2
	Chester (Sealand)	66	53	49	Tr.	–	2·3
8	Manchester ...	65	55	52	0·8	0·1	2·8
10	Spurn Head ...	68	56	*	–	Tr.	7·8
	Catterick ...	72	55	53	–	–	9·0
	Tynemouth ...	60	54	53	–	–	6·5
11	St. Abbs Head	59	48	*	–	–	*
	Leuchars ...	61	46	40	–	–	8·6
12	Renfrew (Abbotsl.)	68	55	54	–	–	7·8
	Eskdalemuir ...	65	53	52	–	–	4·2
	Point of Ayre ...	62	50	*	Tr.	–	2·2
13A	Tiree	60	54	53	0·3	Tr.	1·2
13B	Stornoway ...	58	48	*	–	–	10·8
15	Dalwhinnie ...	64	46	37	–	–	8·5
	Aberdeen ...	59	45	36	–	–	9·3
	Wick ...	55	49	*	–	–	*
16	Lerwick ...	56	50	*	Tr.	Tr.	2·4
17	Blacksod Point	60	50	*	Tr.	0·3	*
18	Malin Head ...	60	55	*	1	Tr.	0·3
	Aldergrove ...	66	56	55	0·1	–	0·6
19	Birr Castle ...	68	57	57	0·1	3	3·8
20	Valentia Obsy. †	62	59	59	4	18	0·0
	Roches Point	64	56	*	0·6	7	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	bbccy	cycid.	ddid.0	69	59	56	Tr	0·5	6·3	•	•	7
Croydon	217	bbccy	cy r. c	dd.d.r.0	68	59	57	Tr	0·5	6·1	•	•	6
Greenwich (Royal Observatory)...	149	bcy	cy	cid.c	73	59	57	–	0·3	6·0	57	83	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	5·8	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	49	59	59	0·5		6·6	62	85	•
Regents Pk. (Botanic Gardens)‡...	168	•	•	•	69	59	58	0·2	Tr	6·3	59	87	•
Camden Square	110	bbc	bc.c.p	•	71	60	59	Tr	–	•	•	81	•
Kensington	80	bc	cpc	•	68	59	57	Tr	*	6·2	At 18h	91	•
Hampstead Observatory	450	bcod	0	od	68	55	50	Tr	0·3	6·2	•	93	•

FOREIGN OBSERVATIONS.

18h. G.M.T. July 11th

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1019·8	WNW	1	c/r	68
Brussels	1017·4	WNW	3	c	64
Berlin	1006·1	NNW	3	c	59
Zürich					
Rome	1010·2	WNW	5	b	75

7h. G.M.T. July 12th

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1018·2	W	3	c/r	63
1016·9	–	0	d.d.	59
1006·0	NW'W	3	rr	55
1012·7	NE	2	b	73

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
73		Tr	
86		Tr	
•	54	6	18
•	•		
•	•	–	–

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

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

Kew Observatory.

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

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 13th July, 1937.
No. 27627

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 12th July: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	OBSERVATIONS at 18h. G.M.T. 12th July: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)	PAST 24 HOURS. Weather. 7h.–13h. ...12th (37)	13h.–18h. ...12th (38)	18h. 12th to 1h. 13th (39)	1h.–7h. ..13th.. (40)
1	London (Kew)	1016·0	-6	SSW	1	c	68	85	8	5	-	-	10	10	1500	1015·8	-4	W	2	c	66	85	6	8	-	-	10	10	1500	1	*	cm.drc	cd.cm.	cm.	c
	Croydon ...	1016·2	-4	G	2	id.	66	85	8	5	-	-	4-6	10	1500	1016·1	0	W'S	1	cjp	68	85	6	5	-	-	7-8	10	800	1	*	or.d.m.	cid.	cjpcb.o	com.
	S. Farnborough	1016·0	-4	W'S	2	c	67	85	8	5	-	-	10	10	1500	1016·1	+2	W'S	3	c	68	85	8	5	-	-	10	10	1500	1	*	or.r.d.c	d.cc	cor	ocom.
	Boscombe Down	1015·9	-2	WSW	3	c	66	85	8	5	-	-	10	10	1500	1016·5	+2	W	4	c	65	92	8	5	-	-	10	10	800	0	*	cr.r.c	cir.c	c	cd.d.c
	Calshot (Sthmtn.)	1016·6	-2	SSW	4	c/d	64	97	7	6	7	-	7-8	10	800	1016·9	0	SW'S	3	c	66	92	7	5	7	-	7-8	9+	1500	1	2	cdr.r.m.	cid.m.c	c	ebcc
	Lympne ...	1017·0	-2	SSW	3	c	67	85	8	5	7	-	4-6	9+	1500	1016·9	-2	S'W	2	c/d	64	92	5	5	-	-	10	10	450	1	$ 2	cz.pr.c	com.d.	odfd.cm	cm.om.
	Manston ...	1016·3	0	SE	1	ir.	66	85	6	5	7	-	9	9+	2500	1016·1	-2	S	1	d.d.	66	85	6	6	2	-	7-8	10	800	1	*	cm.	cir.m.d.	d.d.fcm	cmd.om.
2	Shoeburyness ...	1016·1	-6	SW'S	2	c	71	75	7	8	7	-	4-6	9+	2500	1016·2	0	SW	2	c	65	92	6	6	2	-	7-8	10	1500	0	*	cm.c	Bir.c	m.irf	fm.c
	Felixstowe ...	1015·9	-2	SSE	3	z.	65	85	6	5	7	-	4-6	9+	4000	1015·7	-4	S	3	z.	65	85	6	5	2	-	4-6	10	4000	0	2	c	cir.c	cm.	cmbcm
	Gorleston ...	1016·0	0	ESE	2	c	62	92	6	8	-	-	7-8	7-8	2500	1015·4	-4	SE'S	3	c	63	92	6	-	7	-	0	7-8	-	0	2	cz.	cz.	bccz.	cz.z.
	Mildenhall ...	1015·2	-4	SWN	3	c	73	65	8	2	3	4	4-6	7-8	2500	1014·8	-2	SW'W	3	c	68	85	8	5	7	-	2-3	10	4000	0	*	cz.c	c	cm.	cm.c
	Cranwell ...	1014·5	-10	-	0	c	70	65	7	2	-	9	9	9+	2500	1014·4	0	SW	3	c	70	75	8	8	3	-	4-6	9+	2500	0	*	cm.c	c	c	cm.c
3	Birmingham ...	1015·1	0	SW	2	c	63	75	8	5	-	-	10	10	2500	1015·1	0	WSW	2	o	67	85	6	6	-	-	10	10	1500	0	*	c	coid	o	o
	Upper Heyford	1015·9	-6	SSE	2	id.	63	97	4	6	2	-	9+	10	450	1015·6	0	W'N	3	c/r	68	85	7	5	7	-	9	9+	1500	1	*	or.m.cid.	cd.mc	cbccm.	cm.d.
4	Ross-on-Wye	1014·9	0	SW'S	3	c	67	85	7	5	-	-	10	10	1500	1015·1	+4	SW	3	c	68	85	6	5	7	-	7-8	10	2500	1	*	d.oc	c	id.c	c
5	Bristol ...	1016·1	+2	N	3	ir.	65	85	7	-	2	-	10	10	800	1017·1	+6	W	4	z.	63	92	6	5	-	-	10	10	220	1	*	r.r.rd	r.cm.	om.m	om d.
	Portland Bill ...	1016·8	-6	W	4	rr	60	92	6	5	-	-	10	10	1500	1017·5	+6	W	4	o	60	92	6	5	-	-	10	10	1500	1	3	orr.	orr.	o c	c
	Plymouth ...	1017·7	+2	SW	2	id.	62	97	5	-	2	-	10	10	220	1018·3	+2	W	2	o/d	64	92	7	5	-	-	10	10	800	1	2	oir.id.m.	oid.m.o	oid.	oid.d.dm.
	The Lizard ...	1018·3	+2	W	4	f	68	97	2	5	-	-	10	10	450	1019·8	+10	W'N	3	cf	59	97	1	5	-	-	10	10	220	1	2	ff.d	ff	fomit	if d ff
	Scilly (St. Mary's)	1018·8	+4	WSW	5	if	63	92	3	5	-	-	10	10	4150	1019·3	+4	SW'N	4	cjf	61	92	5	5	-	-	9+	9+	450	0	2	id.if	oifmc	c	idff
	Guernsey ...	1019·1	-2	W	4	m/d	62	97	4	5	-	-	10	10	1500	1019·5	+2	NW'W	4	m	61	97	4	5	-	-	10	10	450	1	3	oidrm.fs	oidfs	om fs	o
6	Pembroke ...	1014·5	+4	W'N	3	F	59	97	1	-	-	-	10	10	4150	1015·6	+4	W	3	F	59	97	1	-	-	-	10	10	4150	1	3	FFido	FeFep	FeFego	FeF
7	Holyhead ...	1013·7	+2	SSW	3	c	61	85	7	5	7	-	9	10	460	1013·6	-6	SSW	4	ir	59	92	6	6	2	-	7-8	10	450	1	2	m.c	r.irc	r.ddm.	bcc
8	Manchester ...	1014·1	-2	SSW	2	c	73	55	7	7	3	8	4-6	9	4000	1014·1	0	SSW	2	c	69	75	6	5	2	-	9	10	2500	0	*	bc.m.	cz.	cz.r.m.	cm.
10	Spurn Head ...	1015·0	0	SEE	3	bc	64	92	7	4	4	1	2-3	4-6	2500	1013·9	-6	SE	4	c	61	97	7	5	7	-	7-8	9+	2500	0	3	fm.bc	c	ew	pr.c
	Catterick ...	1013·5	-6	SSE	2	bc	73	55	7	2	3	1	2-3	4-6	4000	1012·7	-6	S	1	z.	70	75	6	5	7	-	7-8	10	4000	0	*	cz.bcy	bcy.cz.	cz.c	c
	Tynemouth ...	1015·1	0	SE	2	c	88	85	6	5	-	-	7-8	7-8	1500	1013·2	-8	SE	2	c	58	85	6	5	-	-	7-8	7-8	2500	0	1	c	c	cmo	c
11	St. Abbs Head	1014·0	-2	SE	4	c	56	92	7	4	6	2	4-6	7-8	1500	1012·0	-10	SE	3	c	57	97	7	5	2	-	4-6	9	2500	0	1	c	cm.	cmid	cir
12	Leuchars ...	1014·4	-2	E	2	z.	61	85	6	2	-	8	2-3	7-8	1500	1012·5	-10	ENE	2	c	63	85	7	5	2	-	9	9+	2500	1	*	om.cz.	cz.bcc	cr.r.	circ
	Renfrew (Abbotsl.)	1012·8	-6	W'S	1	c	67	65	8	6	7	-	9	9+	4000	1011·5	-10	S'W	2	c	66	75	7	7	-	-	10	10	4000	0	*	bccz.c	c	cr.r.m.c	cid.
	Eskdalemuir ...	1013·2	-4	SSW	3	c	66	65	8	7	3	1	4-6	9+	2500	1011·9	-10	SSW	3	c	64	85	7	5	7	-	4-6	9+	2500	0	*	cw.c	c	crr	crrc
	Point of Ayre ...	1014·0	-2	S'W	3	c.	65	85	8	5	6	-	7-8	7-8	1500	1012·9	-6	S'W	2	c	64	85	8	5	2	-	1	9	800	0	1	fc	c	cbc	c
13a	Tiree	1011·2	-8	SSE	5	c	59	85	7	5	1	8	Tr	10	800	1008·4	-16	SSE	6	o/r	57	97	3	-	2	-	10	10	220	1	3	c	crR	m.Rrdd	ddc
13b	Stornoway ...	1011·3	-4	SE	1	c	58	85	9	7	7	-	4-6	10	1500	1008·6	-18	SE	2	c/pr	57	92	8	5	2	-	7-8	10	2500	1	1	cpr.	cpr	crrr.r.t	rdr.irc
15	Dalwhinnie ...	1012·3	-4	S	1	c	63	75	8	4	7	-	7-8	10	4000	1011·3	-4	SE	4	c	63	65	7	4	1	-	7-8	10	2500	0	*	c	c	*	cir
	Aberdeen ...	1014·4	-4	SSE	4	c	56	85	7	5	-	-	9+	9+	800	1012·6	-14	S	4	bc	57	85	7	5	3	7	2-3	4-6	800	0	2	c	cbc	b cey	cey
16	Wick ...	1013·1	-6	ESE	4	c	54	85	8	5	1	1	4-6	7-8	1500	1010·9	-14	SSE	3	c	55	92	6	5	1	-	7-8	9	1500	0	1	bcc	c	cpr.	Ffm.
	Lerwick ...	1013·3	-6	S	2	c	54	85	8	4	7	-	4-6	9	800	1013·3	-6	S	2	c	54	85	8	7	8	8	2-3	7-8	1500	0	*	c	c	cpr.	cirm.
17	Blacksod Point	1010·1	-6	S	3	c	59	97	6	5	-	-	10	10	450	1010·5	+2	SW	3	id	59	97	6	6	-	-	10	10	450	1	3	iDr	dd	iD	iDr
18	Malin Head ...	1010·3	-6	S	3	c	65	92	7	8	-	-	5	9	2500	1008·7	-20	S	3	c	66	97	7	8	2	-	7-8	9	1500	0	1	c	cpr	cld.c	cFfm
	Aldergrove ...	1012·2	-6	SE	3	ir.	63	85	7	6	2	-	9+	10	1500	1010·7	-14	SSE	3	id.	64	97	6	6	2	-	9+	10	800	1	*	cm.ccs	irr.r.c	ed rm.c	efm.c
19	Birr Castle ...	1012·7	+2	S	1	c	67	65	7	5	2	-	7-8	10	2500	1013·2	+4	SW	2	ir	64	97	7	6	2	-	9	10	2500	1	*	circ	cir	circ	cid
20	Valentia Obsy. †	1015·0	0	SW	5	o	63	97	6	5	-	-	10	10	220	1016·4	+2	SW'W	3	z	61	97	6	5	-	-	10	10	450	1	3	d.dfdrid	oir.m.	om.id.id	oid.c
	Roches Point	1015·3	+4	SW	3	fs	62	97	8	5	7	-	7-8	10	800	1015·8	+2	WSW	3	fs	62	92	9	5	-	-	9+	9+	800	1	2	cr.fs	c ffs	cfs if	cifcbc

† See disturbance reported from Dungeness.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r., slight rain. rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽, lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

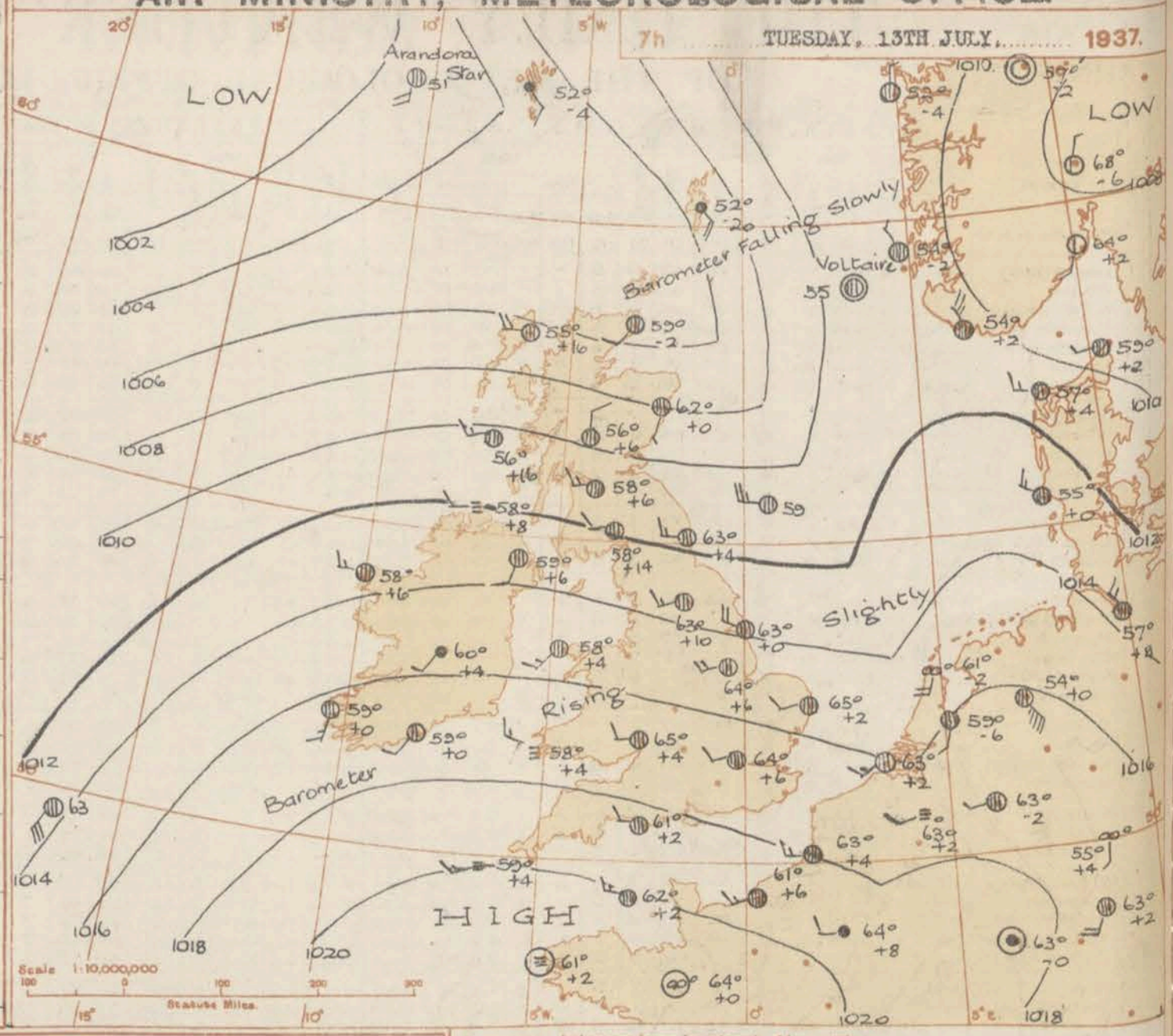
REPORTS from HEALTH RESORTS for 12th July 1937.

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 11th to 9h. 12th	Temperature (°F.) Max. 9h.—17h. 12th.	Rainfall. (mm.) Night. 17h. 11th. to 9h. 12th	Rainfall. (mm.) Day. 9h.—17h. 12th.	Sunshine. (Hrs.) Sunrise to 17h. 12th.	Sunshine. (Hrs.) Sunrise to Sunset. 11th
1	Tunbridge W.	od	odo	56	67	0·5	Trace	0·0	5·9
	Bournemouth	o	r₀o	57	69	5	0·5	0·0	2·0
	Ventnor ...	orco	opc	56	65	4	0·3	0·2	3·6
	Southsea ...	or₀oc	oc	59	69	3	Trace	0·1	3·1
	Bognor Regis	rcbc	bcco	58	68	2	0·3	p·8	4·3
	Littlehampton	orc	cir₀	58	66	1	0·2	0·4	4·5
	Worthing ...	o	cor₀	59	68	1	Trace	0·6	5·8
	Brighton ...	d₀o	o	57	66	1	Trace	0·3	5·3
	Eastbourne† ...	r₀o	oco	59	66	1	0·1	0·2	6·8
	Hastings† ...	c	co	58	67	1	-	0·3	6·4
	Folkestone ...	c	codo	57	69	0·5	Trace	2·9	8·1
	Dover ...	cbcc	cmo	58	69	1	-	4·0	8·3
	Deal	c	o	58	68	2	-	1·6	6·8
	Ramsgate ...	c	crc	58	67	2	0·4	1·3	8·1
	Margate ...	bc	cd₀	58	69	1	Trace	3·5	10·0
2	Southend ...	oc	cod	60	76	1	Trace	1·6	10·1
	Maldon ...	c	co	59	72	-	-	0·7	8·5
	Clacton-on-Sea	cbc	bccdc	58	70	Trace	0·2	2·4	10·4
	Dovercourt ...	bc	bcgoc	58	68	-	-	2·7	10·6
	Lowestoft ...	c	cbcc	56	66	-	-	2·6	9·0
	Skegness ...								
	Mablethorpe...	bcbc	bc	50	66	-	-	6·2	7·3
	Cleethorpes ...	bcf	bc	53	67	-	-	6·2	7·7
3	Leamington S.	c	co	57	71	-	-	0·0	4·8
4	Cheltenham†	o	oc	56	70	2	-	0·0	3·4
5	Bath	cr₀	r₀c	58	66	4	0·3	0·0	0·5
	Weymouth ...	rrir	dc	58	64	11	1	0·0	0·9
	Jersey ...	rcd	cdc	57	63	4	2	0·0	0·8
	Torquay ...	omdpc	crpbc	58	72	5	1	1·5	0·2
	Penzance ...	rdido	cdbc	59	66	6	Trace	0·2	0·0
	St. Ives ...	d	c	55	64	8	0·5	2·6	1·3
	Bude... ...	rdf	f	59	62	24	2	0·0	0·0
	Ilfracombe ...	rrorr	rom	56	63	24	2	0·0	0·0
6	Aberystwyth	pddc	oc	57 (57)	63	4	0·3	0·0	0·0
7	Llandudno ...	[illegible]	c	58	66	-	-	1·2	3·8
	Colwyn Bay...	bcc	cbcc	56	67	-	-	2·2	3·5
	Rhyl	bcc	cbcc	56	70	Trace	-	2·7	3·0
8	Wallasey ...	bc	bcc	58	70	Trace	-	1·9	1·8
	Southport ...	cbcco	oc	58	70	-	-	2·5	2·6
	Blackpool ...	co	c	54	70	-	-	2·9	4·0
	Morecambe ...	bcb	bcbc	57	69	Trace	-	3·1	4·0
9	Ilkley... ...	bc	coc	58	72	-	-	5·3	7·5
	Harrogate ...	bcc	c	53	71	-	-	3·4	8·9
10	Berwick-on-T.	c	c	48	58	-	-	5·0	7·1
11	Dunbar ...	bcm₀	bcm₀	49	62	-	-	3·2	7·6
12	Troon... ...	cbcc	cococ	54	65	-	-	2·1	3·6
	Douglas ...	cbf	cbf	53	63	Trace	-	0·9	1·1

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. TUESDAY, 13TH JULY, 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light west to southwest winds; mainly cloudy; fair intervals; average temperature, close.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Moderate southwest to south winds; fresh locally; cloudy, occasional drizzle; coast fog; average temperature.
10 N.E. England 11 S.E. Scotland	Light or moderate west to southwest winds; cloudy, fair periods; rather warm.
12 S.W. Scotland & Isle of Man 13 A. W. Scotld / B N.W. Scotland 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Moderate or fresh west to southwest winds; cloudy, occasional drizzle; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh southwest to south winds; cloudy, dull at times; occasional drizzle or light rain; average temperature, coast fog.

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

GENERAL INFERENCE

A depression southwest of Ireland is almost stationary and a depression in Mid-Atlantic will move eastnortheast. There will be fair periods in the eastern counties, but in the west, weather will be cloudy with local drizzle and coast fog; Further light rain or drizzle will occur in the Southwest later.

FURTHER OUTLOOK.

Continuing rather unsettled.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Tuesday 13th July,
1937.

Clarke's Projection Scale 1: 4x10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—◯
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. * Snow. ▼ Sleet. △ Hail. ≡ Fog. ≡ Mist. (ϟ) Thunder. ϟ Thunderstorm. ∞ Slight haze.
The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 13th July, 1937.

No. 27627

OBSERVATIONS at 1 hr. G.M.T. 13th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Hufuld. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1016·3	+2	W'S	3	0	64	92	6	5	–	–	10	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017·1	+2·	W'S	2	2.	62	97	5	5	–	–	7-8	7-8	800
	Manston ...	142	1016·1	0	SW	2	m	63	97	4	5	–	–	10	10	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1015·0	0	SSW	1	c	62	92	6	5	–	–	7-8	7-8	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1018·2	+2	W	3	e	60	92	7	5	–	–	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1019·9	0	WNW	3	if	58	97	3	5	–	–	10	10	800
	Scilly (St. Mary's)	163	1020·0	–4	SW	4	c	59	97	6	5	–	–	10	10	1500
	Guernsey ..	175	1019·3	0	NW	3	0	61	97	6	5	–	–	10	10	1500
6	Pembroke ...	142	1015·7	0	W'S	5	F	59	97	1	–	–	–	10	10	<150
7	Holyhead ...	26	1014·4	+6	W'S	35	b	57	97	7	5	3	–	2-3	4-6	1500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1013·5	–4	SW	2	c	60	97	6	5	1	–	7-8	9	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1010·7	–4	SW	2	0	62	85	6	5	–	–	10	10	1500
11	St. Abbs Head	280	1009·3	–20	SW	4	c	60	92	6	3	2	–	4-6	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1011·6	–2	W	6	bc	60	92	8	–	4	–	0	4-6	–
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1005·3	–6	SSW	4	r.r.	56	97	7	5	2	–	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1006·7	–10	SSE	3	s/pr	54	97	7	5	2	–	7-8	9+	1500
16	Lerwick ...	156	1011·4	–10	S	3	s/pr	52	85	8	5	2	–	7-8	10	800
17	Blacksod Point	18	1012·5	+6	W	3	id	58	97	6	6	–	–	10	10	450
18	Malin Head ...	84	1009·3	+8	W'S	4	c	58	97	6	8	2	–	7-8	10	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1016·2	0	SW	2	d	60	97	4	5	–	–	10	10	220
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 13th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1016·4	+6	WSW	2	c	65	85	7	5	–	–	10	10	1500	1	*
	Croydon ...	1016·8	+6	W'S	2	c/d	64	92	6	5	–	–	10	10	450	1	*
	S. Farnborough	1017·0	+8	W	2	2.	64	92	6	5	–	–	10	10	800	1	*
	Boscombe Down	1017·4	+2	W'N	2	0	63	92	7	5	–	–	10	10	800	1	*
	Calshot (Sthmtn.)	1017·9	+6	SW	2	c	65	92	7	5	–	–	10	10	1500	1	*
	Lympne ...	1017·1	+2	WNW	2	2.	64	92	6	5	–	–	10	10	450	1	5/1
	Manston ...	1015·9	+2	W	3	c	66	92	6	5	2	–	9	10	800	1	*
2	Shoeburyness ...	1016·3	+4	W'N	3	c	65	85	6	5	–	–	10	10	1500	1	*
	Felixstowe ...	1015·6	+6	W'N	3	c/d	65	85	6	5	2	–	9	10	800	0	1
	Gorleston ...	1014·6	+2	WSW	2	c	65	92	5	5	–	–	10	10	1500	0	2
	Mildenhall ...	1015·2	+10	W	3	c	66	92	7	5	–	2	7-8	9	1500	0	*
	Cranwell ...	1014·3	+6	WSW	4	c	64	85	6	5	7	–	Tr	10	4000	0	*
3	Birmingham ...	1015·5	+4	WSW	2	c	63	85	7	5	–	–	10	10	800	0	*
	Upper Heyford	1016·8	+6	SSW	2	c/d	63	92	6	5	7	–	9	10	1500	1	*
4	Ross-on-Wye	1016·2	+4	W	2	c	65	85	8	5	–	–	9	9	4000	0	*
5	Bristol ...	1017·9	+8	W	3	2.	61	97	5	5	–	–	10	10	220	1	*
	Portland Bill ...	1018·0	+2	W	4	c	61	92	7	5	4	–	7-8	10	2500	1	3
	Plymouth ...	1019·2	+2	SW	2	d.d.	61	97	5	6	–	–	10	10	<150	1	2
	The Lizard ...	1019·9	+2	W'N	2	F	58	97	1	5	–	–	10	10	220	1	2
	Scilly (St. Mary's)	1019·9	+4	SW	3	F	59	97	1	–	–	–	10	10	<150	1	2
	Guernsey ..	1020·0	+2	W'N	3	0	62	92	8	5	–	–	10	10	2500	1	3
6	Pembroke ...	1016·7	+4	WNW	3	F	58	97	1	–	–	–	10	10	<150	1	3
7	Holyhead ...	1015·1	+4	SW'S	3	c	58	92	7	5	1	–	7-8	9+	4000	1	2
	Chester(Sealand)	1015·0	+10	NW	1	2.	63	85	6	5	3	–	7-8	9+	2500	0	*
8	Manchester ...	1015·2	+14	W'S	2	2.	61	97	6	5	3	–	4-6	7-8	2500	1	*
10	Spurn Head ...	1013·0	0	W'N	4	c	63	85	6	5	1	–	4-6	9+	1500	1	3
	Catterick ...	1012·6	+10	W'S	3	c	63	85	8	4	6	6	4-6	9+	1500	0	*
	Tynemouth ...	1011·8	+4	W	3	c	63	85	7	5	–	–	7-8	7-8	1500	1	1
11	St. Abbs Head	1009·2	0	W	4	c	62	85	8	4	7	1	7-8	9	1500	1	2
	Leuchars ...	1008·9	+2	SW	3	c	61	85	8	5	1	–	4-6	9	1500	12	*
12	Renfrew (Abbotsl.)	1011·4	+6	W'S	3	c	58	85	8	5	–	–	10	10	800	0	*
	Eskdalemuir ...	1012·1	+14	W'S	2	c	58	85	6	5	–	–	9+	9+	1500	1	*
	Point of Ayre ...	1014·4	+4	W	4	c	61	92	8	5	6	–	7-8	9	800	0	2
13A	Tiree	1010·4	+16	W'S	3	c	56	97	7	5	7	8	4-6	9+	450	1	3
13B	Stornoway ...	1007·0	+16	W	4	c/r	55	97	8	5	7	–	7-8	9+	1500	1	2
15	Dalwhinnie ...	1010·8	+6	N	2	c	56	92	7	4	7	–	4-6	10	2500	1	*
	Aberdeen ...	1006·7	0	SSW	1	c	62	85	6	5	7	8	Tr	9	2500	1	1
	Wick ...	1004·8	–2	SW	2	c	48	97	6	5	1	–	7-8	9	800	1	2
16	Lerwick ...	1006·6	–20	SE	4	rr	52	97	5	6	2	–	9	10	450	1	*
17	Blacksod Point	1013·6	+6	W	3	c	58	97	7	5	–	–	10	10	450	1	3
18	Malin Head ...	1011·4	+8	W	2	f	58	97	3	3	2	–	7-8	10	800	0	1
	Aldergrove ...	1013·2	+6	SW'S	2	c	59	92	6	5	7	–	9+	10	800	1	*
19	Birr Castle ...	1014·8	+4	SW	1	id	60	97	7	5	–	–	10	10	2500	1	*
20	Valentia Obsy. †	1016·6	0	SSW	3	c/d	59	97	7	5	–	–	9+	9+	450	1	3
	Roches Point	1016·9	0	SW	2	bc/f	59	97	8	5	–	5	4-6	4-6	1500	1	1

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 12h. Hrs. (36)
1	London (Kew)	69	64	61	0·6	–	0·0
	Croydon ...	68	63	62	0·4	Tr	0·0
	S. Farnborough	69	63	62	0·6	0·1	0·0
	Boscombe Down	67	61	61	1	Tr	0·0
	Calshot (Sthmtn.)	68	62	61	1	–	0·0
	Lympne ...	63	61	60	Tr	0·3	1·0
	Manston ...	69	62	60	0·1	0·1	1·7
2	Shoeburyness ...	73	64	61	Tr	0·2	1·6
	Felixstowe ...	68	64	62	Tr	Tr	3·0
	Gorleston ...	64	62	58	–	–	3·8
	Mildenhall ...	74	63	63	–	–	4·6
	Cranwell ...	73	61	58	–	Tr	4·2
3	Birmingham ...	68	62	61	Tr	–	0·0
	Upper Heyford	69	61	59	0·3	Tr	*
4	Ross-on-Wye	70	62	60	0·1	Tr	0·1
5	Bristol ...	66	60	60	0·1	Tr	0·1
	Portland Bill ...	61	59	*	3	–	*
	Plymouth ...	66	59	59	0·3	Tr	0·0
	The Lizard ...	60	57	*	0·1	0·3	*
	Scilly (St. Mary's)	63	59	*	0·1	0·1	0·1
	Guernsey ..	64	60	60	2	–	0·0
6	Pembroke ...	60	56	*	0·2	0·1	0·0
7	Holyhead ...	64	56	53	0·1	0·2	1·0
	Chester(Sealand)	72	59	54	–	Tr	2·5
8	Manchester ...	74	60	59	–	1	5·2
10	Spurn Head ...	65	59	*	–	0·2	7·2
	Catterick ...	75	60	59	–	–	7·4
	Tynemouth ...	59	57	55	–	0·1	4·7
11	St. Abbs Head	58	54	*	–	0·1	*
	Leuchars ...	64	54	53	–	1	3·6
12	Renfrew (Abbotsl.)	69	58	56	–	1	0·4
	Eskdalemuir ...	68	57	51	–	3	3·4
	Point of Ayre ...	68	57	*	–	–	1·2
13A	Tiree	61	55	55	2	5	0·1
13B	Stornoway ...	60	55	*	0·5	5	0·0
15	Dalwhinnie ...	68	54	53	–	4	4·3
	Aberdeen ...	58	54	53	–	1	3·6
	Wick ...	56	53	*	–	6	*
16	Lerwick ...	58	51	*	–	1	1·1
17	Blacksod Point	61	54	*	3	Tr	*
18	Malin Head ...	67	56	*	0·6	0·5	0·2
	Aldergrove ...	66	58	57	1	1	0·0
19	Birr Castle ...	68	60	58	3	0·1	0·0
20	Valentia Obsy. †	63	59	58	0·5	0·3	0·0
	Roches Point	65	56	*	1	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Stations	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (To-day.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cm.d.r.c	cd.cm.	c	69	64	61	0·5	–	0·0	*	*	7
Croydon	217	or.d.m.	cid.o	com.	68	63	62	0·4	Tr	0·0	*	*	6
Greenwich (Royal Observatory)...	149	cd.d	cdde	c	70	63	58	0·3	–	0·1	91	81	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	68	64	61	0·1		0·0	79	83	*
Regents Pk. (Botanic Gardens)[...	168	*	*	*	68	63	61	0·3	Tr	0·0	81	81	*
Camden Square	110	c.c.r	c.c.d	*	69	64	62	0·3	–	*	*	76	*
Kensington	80	c.o.p	c.o.	*	67	64	61	0·2	–	0·0	At 18h. 88	84	*
Hampstead Observatory	450	o.d	o.d	o	66	60	54	0·3	0·3	0·0	*	85	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
0·3	whole period		

Kew Observatory.

Max.	Time.	Min.	Time.
0·1	11h 12th	<0·1	13h 12th

FOREIGN OBSERVATIONS.

18h G.M.T. 12th July.....

7h. G.M.T. 13th July.....

Stations	18h. Barom. mb.	18h. Wind. Direc.	18h. Wind. Force.	18h. Weather.	18h. Temp. °F.	7h. Barom. mb.	7h. Wind. Direc.	7h. Wind. Force.	7h. Weather.	7h. Temp. °F.
Paris	1018·7	WNW	2	c/d	64	1018·7	W	2	d.d.	64
Brussels	1016·1	WNW	1	c	70	1016·5	WSW	2	m	63
Berlin	1008·2	WNW	5	c	61	*	WNW	4	c	*
Zurich	1018·3	WSW	1	c	64	1018·4	SW	1	iR	57
Rome	1011·5	ENE	4	bc	75	1012·5	N	1	b	70

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
*	63	*	1
75	61	–	3
66	65	7	Tr
64	55	2	2
*	*	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 14th July, 1937
No. 27628

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 13th July: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1017·1	0	W	3	c	73	65	7	8	-	4	7-8	9+	1500
	Croydon ...	1017·2	-2	W	3	c	73	65	7	7	3	-	7-8	9	2500
	S. Farnborough	1017·9	+2	W'S	3	c	71	75	7	7	-	-	9	9	2500
	Boscombe Down	1018·3	+4	W	4	c	69	75	7	5	2	-	4-6	9	1500
	Calshot (Sthmtn.)	1018·7	+2	W	2	c	69	85	8	8	7	-	9+	10	1500
	Lympne ...	1017·6	0	WNW	3	c	72	65	7	5	-	-	9+	9+	1500
	Manston ...	1017·0	+6	W	3	c	70	75	6	5	-	-	10	10	1500
2	Shoeburyness ...	1017·0	+2	WSW	2	c	71	75	6	8	-	-	9+	9+	1500
	Felixstowe ...	1016·2	+4	WSW	3	c	75	55	7	5	1	-	7-8	9+	1500
	Gorleston ...	1015·3	+4	WSW	4	c	73	75	6	5	-	-	9+	9+	2500
	Mildenhall ...	1015·8	+4	W	4	c	75	75	7	8	-	-	7-8	7-8	4000
	Cranwell ...	1015·5	-2	W	4	c	70	75	6	2	3	-	4-6	9+	2500
3	Birmingham ...	1016·4	+4	W	3	c	71	65	8	7	-	2	7-8	9	2500
	Upper Heyford	1016·6	-2	W	3	c	75	68	7	8	-	2	7-8	9+	4000
4	Ross-on-Wye	1016·4	0	W	4	bc	73	65	7	1	-	1	4-6	4-6	4000
5	Bristol ...	1018·4	0	W	4	c	69	85	7	8	-	-	7-8	7-8	1500
	Portland Bill ...	1019·3	+6	W	4	bc	64	92	7	4	-	-	2-3	2-3	2500
	Plymouth ...	1019·6	-2	SW'S	2	2_o	62	97	6	5	-	-	10	10	800
	The Lizard ...	1020·2	0	W	2	of	60	97	1	5	-	-	10	10	220
	Scilly (St. Mary's)	1020·2	-2	SW'W	3	c	65	92	7	5	-	-	9+	9+	1500
	Guernsey ...	1020·6	+2	W'N	3	o	65	92	7	5	-	-	10	10	2500
6	Pembroke ...	1017·4	0	SW'N	3	f	60	97	2	-	-	-	10	10	<150
7	Holyhead ...	1015·6	0	SW'S	4	om	59	85	4	5	-	-	10	10	<150
	Chester (Sealand)	1015·3	-4	SW'W	3	c	74	55	8	8	3	-	7-6	7-8	2500
8	Manchester ...	1015·7	-2	W	3	c	71	65	8	8	5	6	4-6	7-8	2500
10	Spurn Head ...	1015·3	+10	WNW	4	c	67	85	6	5	2	-	9	10	1500
	Catterick ...	1013·9	+4	WSW	2	c	65	75	8	5	7	-	2-3	9+	1500
	Tynemouth ...	1013·2	+8	W	3	c	67	65	7	2	6	-	4-6	7-8	1500
11	St. Abbs Head	1011·2	-16	WNW	3	c	63	75	8	8	7	-	7-8	9+	1500
12	Leuchars ...	1011·1	+12	WSW	4	c	65	75	8	5	7	-	2-3	10	1500
	Renfrew (Abbotsl.)	1012·7	+2	SW'W	2	c	62	85	8	5	-	-	10	10	1500
	Eskdalemuir ...	1013·0	+2	SW	4	c	63	85	8	5	1	-	7-8	9+	2500
	Point of Ayre ...	1014·3	+2	W	4	c	70	75	8	8	-	-	9+	9+	2500
13A	Tiree	1011·3	+4	WSW	3	o	57	97	5	5	-	-	10	10	220
13B	Stornoway ...	1009·2	+6	SW	4	c/pr	60	85	8	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	*	+6	W	1	c	63	75	7	5	1	-	7-8	10	2500
	Aberdeen ...	1005·5	+12	WNW	4	c	65	55	8	1	3	8	2-3	9+	4000
	Wick ...	1008·4	+12	WNW	3	c	63	65	8	5	8	-	7-8	9	1500
16	Lerwick ...	1005·7	-2	WSW	4	c	53	97	7	8	2	-	7-8	10	800
17	Blacksod Point	1010·3	-30	S	5	DR	60	92	7	6	-	-	10	10	800
18	Malin Head ...	1012·3	-2	W	2	r$_o$r	59	97	6	8	2	-	4-6	10	2500
	Aldergrove ...	1013·5	0	SW	2	c/r	63	85	8	5	7	-	1	10	1500
19	Birr Castle ...	1013·7	-12	SW	2	c	70	75	8	5	-	-	9+	9+	2500
20	Valentia Obsy. †	1015·2	-6	S	5	c	63	92	8	5	-	-	9	9	800
	Roches Point	1016·6	-4	SW	2	f	60	97	2	5	-	-	10	10	<150

District	Stations.	OBSERVATIONS at 18h. G.M.T. 13th July: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1017·0	0	WSW	3	q	76	55	8	1	-	2	7r	9	2500	1	*
	Croydon ...	1017·1	+2	W'N	3	c	74	55	8	-	-	6	0	7-8	-	0	*
	S. Farnborough	1017·5	+2	W	4	bc	73	55	8	1	-	1	Tr	2-3	4000	0	*
	Boscombe Down	1018·1	+2	WNW	3	bc	72	65	8	4	1	-	2-3	2-3	4000	0	*
	Calshot (Sthmtn.)	1018·3	-2	SW's	3	bc	70	85	8	7	6	1	2-3	2-3	4000	1	2
	Lympne ...	1017·5	+2	WSW	3	bc	72	75	7	1	-	1	2-3	2-3	4000	0	§3
	Manston ...	1016·5	-2	SW	2	z_o	76	65	6	5	-	-	4-6	4-6	1500	2	*
2	Shoeburyness ...	1016·4	0	WSW	3	bc	75	65	6	5	-	-	4-6	4-6	4000	0	*
	Felixstowe ...	1016·3	+2	W'S	2	c	76	55	8	5	1	-	2-3	10	2500	0	1
	Gorleston ...	1015·9	0	SE	2	bc	65	85	6	-	1	-	0	4-6	-	0	2
	Mildenhall ...	1015·5	-2	W	3	bc	77	65	8	1	6	-	2-3	4-6	4000	0	*
	Cranwell ...	1015·4	+2	W	3	bc	73	65	8	7	4	-	4-6	4-6	4000	0	*
3	Birmingham ...	1016·2	0	WNW	3	b	75	45	8	7	4	-	1	1	2500	0	*
	Upper Heyford	1016·8	0	WSW	3	z_o	74	65	6	1	-	-	1	1	4000	0	*
4	Ross-on-Wye	1016·9	+8	W'S	3	bc	71	65	7	7	-	-	2-3	2-3	4000	0	*
5	Bristol ...	1018·6	0	W'N	4	c	66	85	8	5	-	-	9	9	1500	1	*
	Portland Bill ...	1018·4	-4	WSW	4	c	62	85	7	4	-	-	7-8	7-8	2500	1	3
	Plymouth ...	1019·4	-2	S	1	z_o	63	92	6	5	-	-	9+	9+	4000	1	1
	The Lizard ...	1019·7	0	-	0	c	63	92	8	5	-	-	9	9+	2500	0	1
	Scilly (St. Mary's)	1018·4	-2	SW'W	2	c	64	92	8	5	3	-	7-8	9	2500	0	2
	Guernsey ...	1020·1	-4	WSW	1	o	66	85	8	5	-	-	10	10	2500	1	2
6	Pembroke ...	1017·1	0	WSW	3	c	60	97	6	5	-	-	9+	9+	1500	1	2
7	Holyhead ...	1014·6	-10	SSW	5	f	59	97	3	-	-	-	10	10	<150	1	3
	Chester (Sealand)	1015·2	0	SW	3	b	71	55	8	1	4	-	Tr	1	2500	0	*
8	Manchester ...	1015·5	0	W'N	3	bc	71	75	7	1	4	9	Tr	2-3	4000	0	*
10	Spurn Head ...	1015·4	0	NW'W	1	z_o	69	85	5	5	3	-	7-8	9	1500	0	1
	Catterick ...	1014·1	+4	SW'W	2	c	67	65	8	1	7	-	1	9	2500	0	*
	Tynemouth ...	1014·0	+4	W	2	9/pr	66	85	6	-	2	-	10	10	1500	1	1
11	St. Abbs Head	1012·9	+4	W	2	r$_o$r	63	92	6	3	2	-	4-6	10	800	1	1
12	Leuchars ...	1012·0	+2	WSW	3	c	63	85	7	5	2	-	4-6	10	4000	1	*
	Renfrew (Abbotsl.)	1012·6	-2	W'S	1	c/r	60	85	8	5	2	-	4-6	10	2500	1	*
	Eskdalemuir ...	1013·0	0	SW	4	c/pr	62	85	8	8	7	-	4-6	9	2500	0	*
	Point of Ayre ...	1013·6	-6	S'E	4	bc	59	97	8	5	3	-	2-3	4-6	2500	0	2
13A	Tiree	1010·1	-16	SSE	4	rr	57	92	6	-	2	-	0	10	800	1	3
13B	Stornoway ...	1009·2	-2	SSW	4	c	59	85	7	2	4	5	4-6	7-8	1500	1	2
15	Dalwhinnie ...	1011·2	+4	ESE	2	c	57	85	7	5	6	-	4-6	10	2500	0	*
	Aberdeen ...	1009·4	+6	WNW	1	bc	66	55	8	5	1	-	2-3	2-3	1500	1	1
16	Lerwick ...	1007·9	+8	WSW	3	c	54	92	8	8	7	-	7-8	9+	800	1	*
17	Blacksod Point	1008·0	-12	S	5	DR	60	92	6	6	-	-	10	10	450	1	4
18	Malin Head ...	1008·2	*	S	3	r$_o$r	61	97	6	6	-	-	9	9	1500	1	1
	Aldergrove ...	1011·7	-16	SSE	2	id$_o$	64	85	8	5	7	-	9	10	1500	1	*
19	Birr Castle ...	1012·9	-6	SW	3	c	69	75	8	5	-	*	9+	9+	2500	1	*
20	Valentia Obsy. †	1013·9	-10	S	6	c	62	92	8	5	-	-	10	10	800	1	3
	Roches Point	1016·2	-2	SW	3	c	62	85	8	5	-	-	9	9	1500	1	2

District	Stations.	PAST 24 HOURS. Weather. 7h.—18h. 13th. (37)	13h.—18h. 13th. (38)	18h. 13th. to 1h. 14th. (39)	1h.—7h. 14th. (40)
1	London (Kew)	c	cy	cybc	c
	Croydon ...	cm$_o$c	cbcy	bcybw	bwc
	S. Farnborough	cm$_o$id$_o$c	cbcy	bcb	bwc
	Boscombe Down	c	bc	bcc	cbc
	Calshot (Sthmtn.)	cid$_o$c	cbc	bcc	cbc
	Lympne ...	cm$_o$d$_o$c	cb	bm$_o$wFe	bmFFebc
	Manston ...	bccm$_o$	cbcm$_o$	bcbm$_o$w	bwm$_o$bm$_o$
2	Shoeburyness ...	cm$_o$	cm$_o$bz$_o$	bcz$_o$w	bwcm$_o$
	Felixstowe ...	cm$_o$cy	cy	cbcbw	bwbbcm$_o$
	Gorleston ...	cz$_o$	cz$_o$	bcbz$_o$	bcbz$_o$
	Mildenhall ...	c	cbc	bcb	bwbmcm
	Cranwell ...	ccz$_o$c	cz$_o$cybc	bcb	bcbwc
3	Birmingham ...	c	cb	bbc	bcc
	Upper Heyford	cm$_o$c	cbczy	bz$_o$bc	c
4	Ross-on-Wye	ccbc	bcb	bcc	c
5	Bristol ...	omcmbcbccbc		c	c
	Portland Bill ...	cbc	bcc	c	c
	Plymouth ...	odd$_o$m$_o$c	oid$_o$cm$_o$	cm$_o$	cm$_o$mwc
	The Lizard ...	FFc	Ffc	cff bw	bbcc
	Scilly (St. Mary's)	oFFc	c	bcb W	bwbc
	Guernsey ...	oid$_o$c	oco	o	obcb
6	Pembroke ...	fefefeo	fefeocm$_o$	c	c
7	Holyhead ...	cmo	ombofo	ofbcm$_o$	bcc
	Chester (Sealand)	cm$_o$y	cbcy	bbc	bc
8	Manchester ...	cm$_o$c	cbcbcb	bbcm$_o$	bcmlc W
10	Spurn Head ...	coc	cm$_o$	cbc	bc
	Catterick ...	ccr$_o$	c	cbcq	bcc
	Tynemouth ...	cbcc	cop$_o$	cbc	bc
11	St. Abbs Head	c	cmrr	cmir	cbc
12	Leuchars ...	c	cir$_o$c	cir$_o$c	c
	Renfrew (Abbotsl.)	c	er$_o$r$_o$c	lr$_o$rrc	cr$_o$r$_o$Rd
	Eskdalemuir ...	c	ccpr$_o$	cpr$_o$cr	oirorodd
	Point of Ayre ...	cpr$_o$	cbc	cbc	c
13A	Tiree	afmm$_o$	mid$_o$c	rrdd	ird
13B	Stornoway ...	~~cr~~cpr	bcc	cpr rm	cr$_o$r$_o$
15	Dalwhinnie ...	c	c	*	crr
	Aberdeen ...	Zbcc	cyvc	c	c
	Wick ...	cpr$_o$	cbcy	c	c
16	Lerwick ...	orrff	c	cm$_o$	cpr
17	Blacksod Point	iDr	iDr	IR	iR
18	Malin Head ...	cfr$_o$	crr	circ	cir
	Aldergrove ...	cm$_o$r$_o$cd	cr$_o$r$_o$c	c d$_o$r$_o$c	cr$_o$c
19	Birr Castle ...	cide	c	c	c
20	Valentia Obsy. †	r$_o$id$_o$c	c	pr$_o$r$_o$r$_o$	r$_o$r$_o$idirc
	Roches Point	coffe	offc	c	coffeom

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽, lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

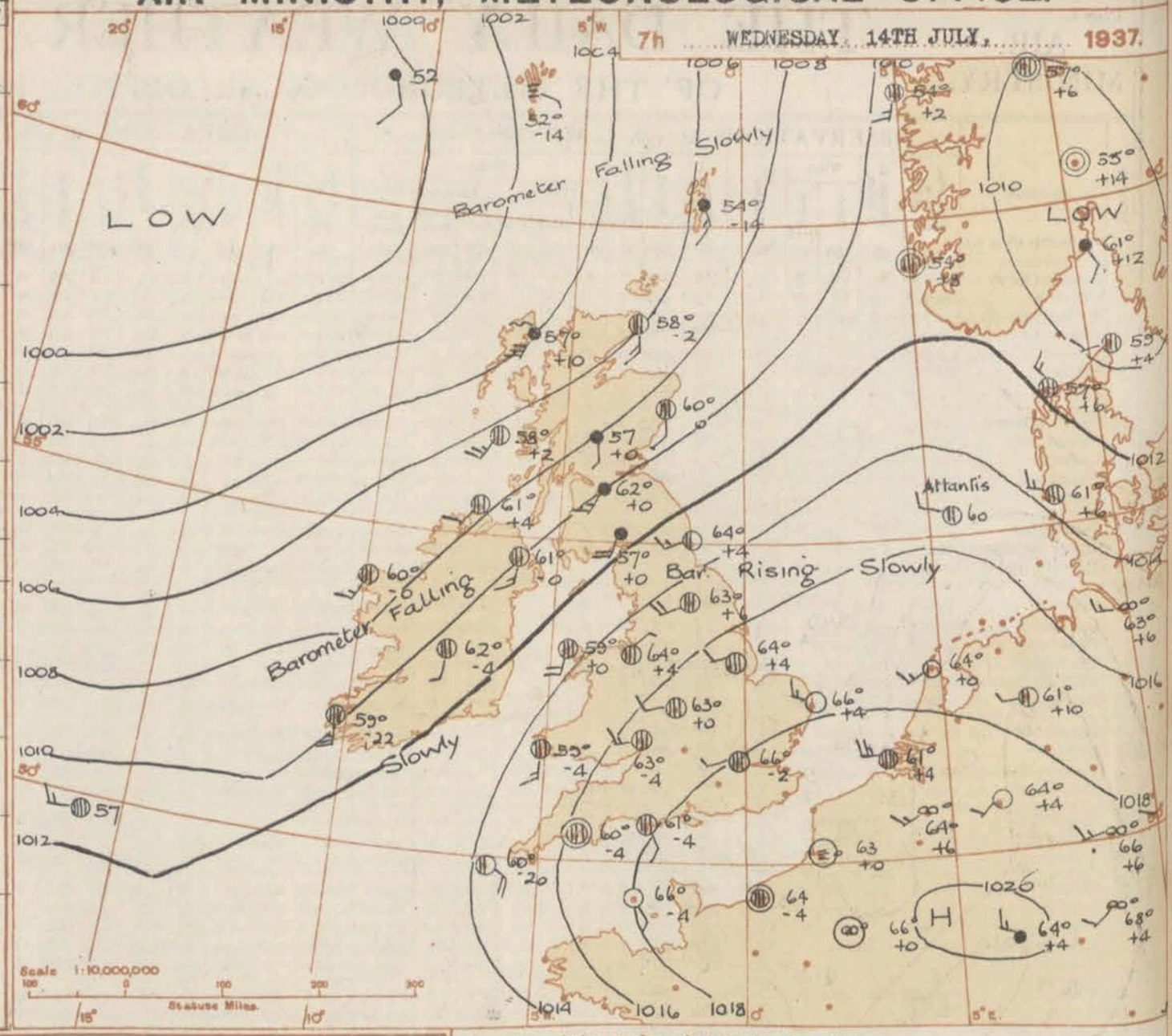
REPORTS from HEALTH RESORTS for 13th July 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 12th to 9h. 13th	Temperature (°F.) Max. 9h.—17h. 13th.	Rainfall (mm.) Night. 17h. 12th to 9h. 13th	Rainfall (mm.) Day. 9h.—17h. 13th	Sunshine (Hrs.) Sunrise to 17h. 13th	Sunshine (Hrs.) Sunrise to Sunset. 12th
1	Tunbridge W.	oc	cbcb	63	75	-	-	5·1	0·0
	Bournemouth	oc	cb	62	77	-	-	3·6	0·1
	Ventnor ...	omo	ocb	60	71	-	-	3·1	0·3
	Southsea ...								
	Bognor Regis	oocc	bscbb	62	70	-	-	2·4	0·8
	Littlehampton	c	cbc	62	70	-	-	1·6	0·4
	Worthing ...	c	bcb	63	70	-	-	1·6	0·7
	Brighton ...	o	obc	62	69	Trace	-	1·0	0·3
	Eastbourne† ...	o	ocbc	62	71	-	-	1·6	0·2
	Hastings† ...	c	c	61	72	-	-	1·8	0·3
	Folkestone ...	oco	ocbcb	61	73	Trace	-	3·7	2·9
	Dover ...	oc	cbcb	61	74	-	-	4·0	4·0
	Deal	oc	c	62	77	-	-	2·6	1·6
	Ramsgate ...	c	cbc	62	74	0·1	-	3·4	1·3
	Margate ...	bcc	cbc	63	75	Trace	-	5·6	3·6
2	Southend ...	czbc	bcc	64	78	0·3	-	4·8	1·6
	Maldon ...	cbc	b	63	79	Trace	-	6·1	0·7
	Clacton-on-Sea	bc	bc	62	75	-	-	6·7	2·4
	Dovercourt ...	bcc	bc	64	78	-	-	6·1	2·7
	Lowestoft ...	cybc	bcbbc	61	79	Trace	-	6·3	3·1
	Skegness ...	bcz	bcbz	62	76	-	-	6·9	6·9
	Mablethorpe...	bcbc	bc	58	74	Trace	-	6·0	6·2
	Cleethorpes ...	cbc	bc	59	74	0·3	-	3·8	6·2
3	Leamington S.	bc	bc	62	77	-	-	5·5	0·0
4	Cheltenham†	c	cbcbq	60	77	0·5	-	5·8	0·0
5	Bath	cbc	bcb	62	71	Trace	-	5·6	0·0
	Weymouth ...	c	b	60	70	Trace	-	5·3	0·0
	Jersey ...	odc	oc	60	67	Trace	-	0·1	0·0
	Torquay ...	co	o	63	69	-	-	0·5	1·6
	Penzance ...	moc	c	61	71	0·3	-	0·0	0·7
	St. Ives ...	f	c	61	70	0·3	Trace	0·1	3·1
	Bude... ...	f	o	59	62	0·5	-	0·0	0·0
	Ilfracombe ...	o	ocbco	59	66	0·2	-	0·9	0·0
6	Aberystwyth	prmc	bcc	58	65	3	-	2·2	0·0
7	Llandudno ...	cbc	bcb	60	70	1	-	6·0	1·2
	Colwyn Bay...	cbcbc	cbcb	61	74	0·3	-	5·5	2·2
	Rhyl	bcc	cbcb	61	73	0·4	-	5·1	2·7
8	Wallasey ...	cbc	bcb	60	70	0·5	-	4·6	1·9
	Southport ...	bccoc	bcbc	58	69	1	-	4·5	2·5
	Blackpool ...	bcc	cbc	59	68	0·3	-	6·9	3·0
	Morecambe ...	cbc	bbcbc	60	67	2	-	2·2	3·2
9	Ilkley... ...	c	cbc	60	73	-	-	1·2	5·4
	Harrogate ...	c	cbcc	59	71	-	-	1·1	3·4
10	Berwick-on-T.	c	cpo	54	67	Trace	0·6	2·9	5·4
11	Dunbar ...	bcr	cprm	53	64	2	0·5	0·0	4·4
12	Troon... ...	cbcoc	ororo	55	60	7	2	2·9	2·3
	Douglas ...	cprm	cbm	56	67	2	Trace	0·9	0·9

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h WEDNESDAY, 14TH JULY, 1937.



Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
Sea Disturbance. ~ Rough. ≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light southwest to southwest to south winds; fair; rather warm.
5 S.W. England 6 South Wales ...	Light southeast winds; fair; light local rain later; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Moderate south to southwest winds; cloudy, occasional rain; average temperature.
10 N.E. England 11 S.E. Scotland	Light wind, backing south; fair periods, occasional rain; average temperature.
12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B. N.W. Scotland.} 14 Mid Scotland 15 N.E. Scotland 16 Orkney and Shetland	Fresh south to southwest winds; cloudy, occasional rain; average temperature.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Fresh south to southwest winds, veering west; cloudy, occasional rain, bright periods and showers later; average temperature.

GENERAL INFERENCE.

A complex depression south of Iceland is moving northeast slowly. Weather will be fair and warm in the South and East. Elsewhere it will be mainly cloudy with occasional rain and will become cooler later.

FURTHER OUTLOOK.

Fair in Southeast; rather unsettled elsewhere.

Forecasts issued at 10.30 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Wednesday 14th July,
1937.

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

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere: a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 14th July, 1937.

No. 27628

OBSERVATIONS at 1 hr. G.M.T. 14th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1018·3	0	WSW	2	b	62	82	7	–	–	–	0	0	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1018·8	-2	SW'W	2	m/F	59	97	4	–	–	–	0	0	–
	Manston ...	142	1017·6	-2	WSW	2	z.	62	92	6	–	–	–	0	0	–
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1015·8	-4	–	0	b	62	85	6	–	–	–	0	0	–
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1019·0	-6	WNW	3	c	60	92	7	4	–	–	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1018·9	-4	S	1	b	58	97	8	–	–	–	0	0	–
	Scilly (St.Mary's)	163	1018·3	-8	SE	3	bf	59	97	6	–	–	–	0	0	–
	Guernsey . .	175	1019·7	-4	–	0	d	63	92	9	5	–	–	10	10	2500
6	Pembroke ...	142	1016·7	0	SW	3	c	59	97	7	5	–	–	9+	9+	1500
7	Holyhead ...	26	1013·3	-6	SW'S	5	bc	58	92	7	5	9	–	2-3	4-6	1500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1015·0	0	WSW	3	bc	60	97	7	–	1	–	0	2-3	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1013·0	-10	W	2	bc	62	85	7	2	6	–	4-6	4-6	1500
11	St.Abbs Head	280	1010·4	-8	SW	4	c/F	59	97	6	8	4	–	4-6	7-8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1012·4	-4	WSW	3	bc	64	85	8	5	–	–	4-6	4-6	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1003·8	-28	SSE	5	rr	56	97	5	5	2	–	9	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1007·0	-20	SSW	3	c	54	97	8	5	7	3	4-6	9	1500
16	Lerwick ...	156	1009·0	+4	WSW	3	c	51	97	6	5	2	–	7-8	10	450
17	Blacksod Point	18	1008·6	0	S	5	RR	59	97	6	6	–	–	10	10	450
18	Malin Head ...	84	1007·4	0	S'W	3	c	63	97	7	8	2	–	7-8	9	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1011·9	-6	SW	3	df	60	45	3	5	–	–	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 14th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1018·0	+2	WSW	2	c	66	75	7	5	–	–	9+	9+	2500	1	*
	Croydon ...	1017·9	-2	WSW	1	c	66	85	8	5	–	–	9+	9+	4000	0	*
	S. Farnborough	1017·8	+2	W	1	c	66	75	8	5	3	–	1	7-8	4000	0	*
	Boscombe Down	1017·6	-4	SWW	2	b	65	75	8	5	–	–	1	1	2500	1	*
	Calshot (Sthmtn.)	1018·2	+2	SW	1	bc	66	92	7	7	4	–	4-6	4-6	4000	0	0
	Lympne ...	1019·0	+2	WNW	1	c	62	92	7	5	–	–	7-8	7-8	2500	0	$0
	Manston ...	1018·2	+4	SW	2	bc	65	85	6	5	–	1	2-3	2-3	4000	1	*
2	Shoeburyness...	1017·9	+4	W'S	2	c	67	85	6	5	–	–	7-8	7-8	2500	0	*
	Felixstowe ...	1017·8	+6	WSW	2	z.	65	85	6	5	4	6	1	4-6	2500	0	1
	Gorleston ...	1017·1	+4	WNW	3	b	66	85	6	–	–	–	0	0	–	0	2
	Mildenhall ...	1016·8	+2	SWW	3	z.	65	92	6	5	–	–	9+	9+	4000	0	*
	Cranwell ...	1016·2	+4	WSW	2	c	64	75	7	5	–	–	9+	9+	4000	0	*
3	Birmingham ...	1016·8	0	WSW	2	c	63	85	7	5	–	–	10	10	800	0	*
	Upper Heyford	1017·8	+2	W	3	c	63	75	9	5	–	–	9	9	2500	0	*
4	Ross-on-Wye	1016·9	-4	WSW	3	c	63	75	7	5	–	–	10	10	2500	0	*
5	Bristol ...	1017·3	-6	WSW	1	c	65	75	7	7	–	–	9	9	2500	1	*
	Portland Bill ...	1017·8	-4	SE	2	c	61	92	7	4	–	–	7-8	7-8	2500	0	2
	Plymouth ...	1017·1	-4	–	0	c	60	97	7	5	–	–	9+	9+	1500	1	1
	The Lizard ...	1015·3	-6	ESE	4	c	61	92	8	4	1	–	7-8	7-8	2500	0	1
	Scilly (St.Mary's)	1014·2	-20	SEE	4	bc	60	97	8	4	4	4	Tr	2-3	2500	0	2
	Guernsey . .	1018·2	-4	SE	1	b	66	85	8	–	–	–	0	0	–	0	1
6	Pembroke ...	1014·4	-4	S	3	c	59	92	7	5	2	–	7-8	9+	1500	1	2
7	Holyhead ...	1013·9	0	SSW	4	c	59	92	9	5	–	1	7-8	7-8	2500	1	2
	Chester(Sealand)	1015·0	+4	NE	1	c	64	75	8	5	–	–	7-8	7-8	2500	0	*
8	Manchester ...	1015·4	+6	SWS	2	bc	63	75	7	5	–	–	2-3	2-3	2500	0	*
10	Spurn Head ...	1015·5	+4	WSW	3	bc	64	85	7	–	3	8	0	2-3	–	0	2
	Catterick ...	1013·8	+6	SW'W	4	c	63	75	8	8	6	–	7-8	7-8	1500	0	*
	Tynemouth ...	1012·5	+4	WSW	3	bc	64	75	7	2	6	–	4-6	4-6	1500	0	1
11	St.Abbs Head	1010·3	+8	SW	3	c	61	92	7	8	4	2	4-6	7-8	1500	0	1
	Leuchars ...	1009·5	+2	WSW	3	c	64	85	7	5	7	–	7-8	9	1500	1	*
12	Renfrew (Abbots I.)	1009·7	0	SWS	3	dd	62	97	5	5	2	–	7-8	10	450	1	*
	Eskdalemuir ...	1011·7	0	SSW	4	d.d.	57	97	3	–	2	–	10	10	<150	1	*
	Point of Ayre...	1012·0	0	SW'S	3	c	64	85	8	8	9	–	4-6	9	2500	0	2
13A	Tiree	1006·7	+2	SW	5	c	58	97	6	5	2	–	9+	10	450	1	3
13B	Stornoway ...	1002·9	+10	SSW	6	r.r.	57	85	7	8	2	–	7-8	10	2500	1	4
15	Dalwhinnie ...	1008·7	0	S	1	rr	57	97	7	4	2	–	4-6	10	2500	1	*
	Aberdeen ...	1008·4	0	S	2	c	60	92	7	5	7	–	Tr	9+	2500	0	1
	Wick ...	1005·2	-2	S	3	c	58	92	8	5	2	–	9	10	1500	1	1
16	Lerwick ...	1006·8	-14	SSE	3	pr	54	97	7	6	2	–	9	10	450	1	*
17	Blacksod Point	1007·9	0	SW	3	c	60	97	7	9	–	–	10	10	800	1	3
18	Malin Head ...	1007·8	+4	SW	2	jp	61	97	7	8	2	–	7-8	10	1500	1	1
	Aldergrove ...	1010·1	0	SW	3	c	61	92	7	5	7	–	9+	10	800	1	*
19	Birr Castle ...	1010·8	-8	S'W	1	c	62	92	8	5	–	–	9+	9+	2500	1	*
20	Valentia Obsy.†	1009·5	-22	S	5	o/r	59	97	8	5	–	–	10	10	450	1	3
	Roches Point	1012·5	-14	S	2	m/f	59	97	4	5	–	–	10	10	450	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 13th Hrs. (36)
1	London (Kew)	76	59	51	–	–	7·4
	Croydon ...	75	61	57	–	–	6·9
	S. Farnborough	76	57	47	Tr	–	6·4
	Boscombe Down	74	62	60	–	–	7·3
	Calshot (Sthmtn.)	73	63	62	Tr	–	4·8
	Lympne ...	74	56	50	Tr	Tr	8·4
	Manston ...	77	57	55	–	–	4·4
2	Shoeburyness...	78	59	53	–	–	5·4
	Felixstowe ...	78	60	56	–	–	8·5
	Gorleston ...	78	59	58	–	–	7·3
	Mildenhall ...	77	57	54	–	Tr	10·3
	Cranwell ...	76	56	47	–	–	6·4
3	Birmingham ...	76	61	58	–	–	8·8
	Upper Heyford	77	60	56	–	–	*
4	Ross-on-Wye	76	62	61	–	–	8·3
5	Bristol ...	71	61	59	–	–	4·1
	Portland Bill ...	64	58	*	–	–	*
	Plymouth ...	63	57	46	Tr	Tr	0·0
	The Lizard ...	66	56	*	Tr	Tr	*
	Scilly (St.Mary's)	66	57	*	–	Tr	0·4
	Guernsey . .	68	58	53	Tr	–	0·4
6	Pembroke ...	61	57	*	Tr	–	0·0
7	Holyhead ...	64	56	55	–	–	4·1
	Chester(Sealand)	75	61	54	–	–	8·4
8	Manchester ...	72	54	48	–	–	6·2
10	Spurn Head ...	71	58	*	–	–	4·2
	Catterick ...	70	59	53	Tr	–	0·2
	Tynemouth ...	69	60	56	Tr	–	4·0
11	St.Abbs Head	65	59	*	0·3	1	*
	Leuchars ...	66	59	57	Tr	0·1	0·0
12	Renfrew (Abbots I.)	65	59	58	0·6	4	0·1
	Eskdalemuir ...	67	56	57	Tr	4	0·4
	Point of Ayre...	71	57	*	–	–	1·2
13A	Tiree	58	55	54	Tr	3	0·0
13B	Stornoway ...	65	55	*	0·1	2	5·5
15	Dalwhinnie ...	64	54	54	–	1	0·7
	Aberdeen ...	72	56	55	–	–	3·6
	Wick ...	67	53	*	0·6	0·2	*
16	Lerwick ...	55	50	*	8	0·2	0·0
17	Blacksod Point	61	54	*	11	9	*
18	Malin Head ...	61	59	*	6	4	0·0
	Aldergrove ...	66	61	60	0·3	0·4	0·0
19	Birr Castle ...	73	62	60	Tr	–	2·0
20	Valentia Obsy.†	65	58	57	0·4	5	0·3
	Roches Point	64	57	*	–	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
KEW...	18	c	cy	cybcc	76	59	51	–	–	7·4	•	•	8
CROYDON	217	cm. c	cbcy	bcybmc	75	61	57	–	–	6·9	•	•	7
GREENWICH (Royal Observatory)..	149	c	cby	bc	82	56	43	–	–	6·3	56	59	8
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•	6·5	•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	76	59	53	–		6·0	63	61	•
REGENTS PK. (Botanic Gardens)‡...	168	•	•	•	76	60	56	–	–	6·7	61	61	•
CAMDEN SQUARE	110	cr	bccb	•	78	60	54	–	–	•	•	60	•
KENSINGTON	80	bc	bc	•	76	59	49	–	–	6·5	At 18h. 59	65	•
HAMPSTEAD OBSERVATORY	450	o	bc	b	74	57	51	–	–	6·7	•	70	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 14th..

SOUTH KENSINGTON.

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

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·1	9–10h 13th	<0·1	Rest of Period

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 13th July. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.	7h. G.M.T. 14th July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1019·8	WNW	1	c	72	1019·5	–	0	z.	66
BRUSSELS	1017·8	W	2	d.d.	66	1018·9	WSW	3	z.	64
BERLIN	1014·5	NNW	3	c	63	1014·1	WNW	3	d.	61
ZURICH	1017·4	S	1	o/p	66					
ROME	1012·0	W	2	bc	75	*	ENE	2	c	*

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
73	*	–	*
70	59	1	0·1
70	57	Tr	0·4
70		5	
*	*	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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	2¼ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each: by post 1½d. / 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‖ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 15th July, 1937.

No. 27629

OBSERVATIONS at 13h. G.M.T. July 14th.

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	Sunshine Hrs. (36)
1	London (Kew)	1014·7	-22	S	3	bc	78	55	8	1	-	4	Tr	2·3	2500	7·4
	Croydon ...	1014·9	-26	S'W	3	bc	78	55	8	1	-	4	2·3	4·6	5700	6·9
	S. Farnborough	1014·7	-18	S	3	bc	78	55	8	1	-	1	1	2·3	4000	6·4
	Boscombe Down	1014·6	-16	S	4	bc	73	65	8	1	-	6	1	2·3	5700	7·3
	Calshot (Stmtn.)	1016·1	-14	ESE	4	bc	72	75	8	7	-	6	2·3	4·6	4000	4·8
	Lympne ...	1016·9	-16	SE'S	2	bc[f]	66	85	7	1	-	1	1	2·3	2500	8·4
	Manston ...	1015·8	-18	S	3	bc	75	56	8	5	-	-	4·6	4·6	1500	4·4
2	Shoeburyness ...	1015·6	-26	ESE	3	b	73	65	8	2	-	5	Tr	1	4000	5·4
	Felixstowe ...	1015·6	-20	SSE	4	b	72	65	8	7	-	-	Tr	Tr	4000	8·5
	Gorleston ...	1015·1	-16	SE	3	bc	71	65	6	-	4	-	0	4·6	-	7·3
	Mildenhall ...	1014·2	-26	SW	3	b	75	55	8	-	-	-	0	0	-	10·3
	Cranwell ...	1013·6	-20	SW'S	2	bc	73	55	6	5	-	-	2·3	2·3	4000	6·4
3	Birmingham ...	1013·8	-16	SW	3	b	73	55	8	-	-	-	0	0	-	8·8
4	Upper Heyford	1014·3	-22	S	2	b	77	55	8	1	-	5	Tr	1	4000	•
	Ross-on-Wye	1013·5	-14	SW'S	4	bc	75	55	8	1	-	1	2·3	2·3	4000	8·3
5	Bristol ...	1014·2	-16	S	3	bc	74	55	8	1	-	4	2·3	4·6	4000	4·1
	Portland Bill ...	1015·2	-20	E	3	bc	67	85	6	4	-	1	2·3	4·6	2500	•
	Plymouth ...	1013·7	-14	SE	3	bc	72	75	8	5	4	-	1	2·3	4000	0·0
	The Lizard ...	1012·4	-6	E'S	4	bc	67	85	8	8	6	-	2·3	2·3	4000	•
	Scilly (St. Mary's)	1011·5	-12	SE	4	bc	65	85	8	4	8	-	2·3	4·6	2500	0·4
	Guernsey ...	1014·5	-26	SE'E	2	bc	72	75	9	-	7	8	0	4·6	-	0·4
6	Pembroke ...	1012·8	-2	S'E	3	c	62	85	7	8	6	-	7·8	10	1500	0·0
7	Holyhead ...	1012·3	+2	SSW	5	c	65	75	7	7	3	-	7·8	9	2500	4·1
	Chester(Sealand)	1012·1	-14	S	2	bc	79	45	8	1	7	-	2·3	4·6	2500	8·4
8	Manchester ...	1012·6	-16	SW'S	3	bc	74	55	8	1	3	-	2·3	4·6	4000	6·2
10	Spurn Head ...	1013·1	-18	SW	3	b	76	75	7	-	4	-	0	Tr	-	4·2
	Catterick ...	1011·4	-10	SW	3	bc	76	56	7	1	4	-	4·6	4·6	4000	0·2
	Tynemouth ...	1011·1	0	WSW	3	bc	75	55	7	2	6	-	4·6	4·6	1500	4·0
11	St Abbs Head	1010·6	+12	SW	4	c	66	85	7	3	7	9	2·3	7·8	1500	*
12	Leuchars ...	1009·6	+4	SW	3	c	66	85	7	5	7	1	4·6	7·8	1500	0·0
	Renfrew (Abbotsl.)	1009·4	0	SSW	3	c	67	85	7	5	-	-	9+	9+	1500	0·1
	Eskdalemuir ...	1011·4	+4	S	3	c/d	55	92	6	5	-	-	10	10	800	0·4
	Point of Ayre...	1011·3	+4	SW	2	c	70	75	8	1	8	7	2·3	7·8	1500	1·2
13A	Tiree	1007·1	-2	SW	2	dd	59	97	6	-	2	-	9+	10	220	0·0
13B	Stornoway ...	1006·1	+12	SSW	5	c	58	85	8	5	7	1	4·6	9	2500	5·5
15	Dalwhinnie ...	*	+2	SW	2	rr	59	92	7	5	6	-	7·8	10	2500	0·7
	Aberdeen ...	1008·1	0	S	2	c	70	75	7	8	7	3	1	7·8	2500	3·6
	Wick ...	1006·4	+10	S	3	bc	65	75	8	5	1	-	2·3	4·6	1500	*
16	Lerwick ...	1006·6	+2	SW	3	c	55	97	8	8	7	-	7·8	9+	800	0·0
17	Blacksod Point	1006·6	-8	S	2	RR	58	97	6	6	-	-	10	10	450	•
18	Malin Head ...	1006·4	-10	SSW	3	c	65	92	7	8	2	-	4·6	9	1500	0·0
	Aldergrove ...	1006·0	-4	S	2	dr	64	92	6	5	2	-	7·8	10	800	0·0
19	Birr Castle ...	1009·4	-4	S'W	2	pr	65	85	7	8	1	-	7·8	10	2500	2·0
20	Valentia Obsy. †	1009·3	-14	SW'S	4	ir	60	97	8	6	-	-	10	10	450	0·3
	Roches Point	1010·4	-16	S	2	~~2/v~~	59	97	7	5	-	-	10	10	450	•

OBSERVATIONS at 18h. G.M.T. July 14th.

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1012·7	-10	SSW	2	c	76	55	8	-	-	6	0	9+	-	0	*
	Croydon ...	1012·5	-14	SSE	2	c	75	65	8	-	-	6	0	7-8	-	0	*
	S. Farnborough	1012·5	-14	SSW	2	bc	73	65	8	-	5	2	0	4-6	-	0	*
	Boscombe Down	1012·5	-10	S	2	bc	71	75	7	1	7	9	Tr	4-6	5700	0	*
	Calshot (Stmtn.)	1013·5	-18	E'S	3	bc	67	85	8	-	5	6	0	4-6	-	0	2
	Lympne ...	1013·9	-18	SSW	1	bc	72	65	8	-	-	6	0	4-6	-	0	0
	Manston ...	1013·5	-14	SE'S	2	c	72	65	8	-	-	4	0	7-8	-	1	*
2	Shoeburyness ...	1013·6	-12	S'E	2	c	71	75	8	-	-	7	0	9+	-	0	*
	Felixstowe ...	1013·3	-12	SSE	3	bc	70	75	8	-	-	8	0	2-3	-	0	2
	Gorleston ...	1013·1	-10	SSE	4	bc	67	75	6	-	7	-	0	4-6	-	0	2
	Mildenhall ...	1011·7	-14	SWN	2	b	81	55	7	-	-	1	0	1	-	0	*
	Cranwell ...	1011·5	-6	SW	3	b	79	45	9	-	4	1	0	2-3	-	0	*
3	Birmingham ...	1011·1	-16	SSW	2	bc	77	55	8	-	8	1	0	2·3	-	0	*
4	Upper Heyford	1012·2	-10	S'W	3	bc	75	65	8	1	-	6	2·3	4·6	4000	0	*
	Ross-on-Wye	1011·2	-20	SSW	3	bc	74	65	8	1	8	4	Tr	4-6	4000	0	*
5	Bristol ...	1011·7	-20	S	2	bc	73	65	8	4	5	4	1	4-6	4000	0	*
	Portland Bill ...	1011·9	-30	E	3	c	63	92	8	4	4	-	4·6	7-8	2500	0	2
	Plymouth ...	1010·3	-18	ESE	3	c	69	75	8	5	7	-	1	9	2500	1	1
	The Lizard ...	1009·6	-12	E'S	3	c	65	85	7	8	6	-	4·6	7-8	2500	0	1
	Scilly (St. Mary's)	1008·1	-14	SE'S	4	c[jf]	62	97	6	5	8	-	4·6	9+	2500	0	2
	Guernsey ...	1011·7	-22	E'N	1	bc	68	85	7	-	7	-	0	4-6	-	0	1
6	Pembroke ...	1009·5	-18	SE'S	4	c	61	92	7	8	2	-	7-8	9+	1500	1	2
7	Holyhead ...	1009·2	-18	S'W	3	pr	66	85	9	8	6	-	7-8	9+	4000	1	2
	Chester(Sealand)	1010·0	-18	N'E	2	z	73	65	6	8	-	-	7-8	7-8	4000	0	*
8	Manchester ...	1010·4	-20	WNW	2	bc	72	75	8	7	3	-	4·6	4·6	4000	0	*
10	Spurn Head ...	1011·4	-8	SE	2	bc	67	92	7	-	3	-	0	2·3	-	0	1
	Catterick ...	1010·4	-6	W'S	2	c	73	65	8	8	9	6	4·6	7-8	4000	0	*
	Tynemouth ...	1010·7	-6	SE	2	bc	63	75	7	1	-	1	2·3	2·3	2500	0	1
11	St Abbs Head	1008·5	-12	SW	5	c	65	85	9	8	7	1	4·6	7-8	1600	0	2
12	Leuchars ...	1008·2	-8	SSE	3	c	66	75	8	5	7	-	4·6	9+	1500	1	*
	Renfrew (Abbotsl.)	1007·9	-2	S	3	ir	66	85	7	5	7	-	4·6	9+	1500	0	*
	Eskdalemuir ...	1009·7	-12	SSW	4	c	61	85	8	5	3	-	4·6	7-8	1500	1	*
	Point of Ayre...	1009·2	-12	SWN	5	c	65	92	8	5	7	-	1	9	800	0	2
13A	Tiree	1005·8	-4	WSW	2	rr	56	97	6	-	2	-	7-8	10	220	1	2
13B	Stornoway ...	1005·7	0	SSE	4	pr	55	92	7	8	2	-	7-8	10	1500	1	2
15	Dalwhinnie ...	1006·8	-10	SW	2	c	64	75	7	4	2	-	7-8	10	2500	0	*
	Aberdeen ...	1007·4	-2	S'E	3	c	68	75	6	-	7	-	0	9+	-	0	2
	Wick ...	1006·3	0	N	1	c	57	97	8	5	7	-	7-8	9	1500	1	1
16	Lerwick ...	1006·7	-4	SW	2	c	58	85	8	5	9	-	4·6	7-8	1500	1	*
17	Blacksod Point	1008·2	0	SW	3	c	58	92	7	5	-	-	10	10	800	1	3
18	Malin Head ...	1006·6	0	W	1	if	57	97	6	8	2	-	7-8	10	1500	1	1
	Aldergrove ...	1007·2	-6	SSW	3	ir	64	85	8	5	7	-	9+	10	1500	1	*
19	Birr Castle ...	1008·5	+2	WSW	2	c	64	85	8	6	2	-	4·6	10	1500	1	*
20	Valentia Obsy. †	1009·8	-2	W	3	~~2~~/r	58	97	8	5	3	-	9	9+	450	1	2
	Roches Point	1009·6	0	W	2	c	59	97	7	5	7	-	7-8	10	800	1	2

PAST 24 HOURS.

Weather. 7h.–13h. 14th. (37)	13h.–18h. 14th. (38)	18h. 14th. to 1h. 15th. (39)	1h.–7h. 15th. (40)
cbcby	bycy	cyc	bcwz
cbby	bcy⊕	cbcbw	bcwcm
bcdbcy	bcbybc	bwcir	cbcwcm
bc	bc	bc	bc
bc	bc	bc	bbccm
cm,cb	bjfbbc	bcbbcmw	bcwz
b,cbcy	bcybyc	cbcbm	bbcm,w
cm,b	b,c	cbcw	bcm
bcmc,b	b	pbcb	bwbc
bccbc	bc	bcb	bccz
cby	by	bybc	bccffcz
cbc	bcyby	bybcc	cwcm
cb	bbc	bc	bc
cbcby	bbcaybc	bc	cbccm
cbc	by	bcc	cbcct
cbc	bc	bcb,cmw	ctm
cbc	bcc	c	c
cb	bbcc	cr,bc	bccidmc
bc	bcc	Ff	cffc
bc	bccr,c	fefc	cbcc
bbc	bc	bccbc	bcc
cbcpr,c	cprc	cir,lFfc	cifqc
c,bc	PRc	mt,lRc	t,lbc⊕
bcby	bccz	cr,z	cd,d,m
bccbc	bcy	bccm	cm
bc	bc	c	c
cbcy	bcyc	pr,bc	bcc
bc	bc	cqp	c
c	c	cir	cfr
c	c	circ	cirbc
cidm,c	cbcc	cRRr	bccbc
fodd	cbc	bccir	cirbc
c	c	crrr	cF
cdd	iDRr	Rrr	rrc
r,r,c	cpr	cr,r,pr	cprbc
crr	c	c	ciR
cbcc	cc z	ccpr	pr,bv
cbc	bcc	id,d	cbc
cpr	c	cidm	irr,r
iDr	iDr	bc	bc
cir	cir	crrbc	cbc
cr,r,d	irc,ir	r,r,m,c	cbcfc
cpr	cpr,c	cpr	cpr,c
crriRir	r,r,rrr,c	cbcc	cid,c
omtirc	idrtc	ir,bc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
p, precipitation within sight of station.
zs, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ⊙ lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 . . Ground dry.
1 . . „ wet.
2 . . „ flooded.
3 . . „ frozen hard and dry.
4 . . „ partly covered with snow or hail.
5 . . „ covered with ice or glazed frost.
6 . . Ground covered with thawing snow.
7 . . „ covered with snow, less than 6 ins., deep but ground not frozen.
8 . . „ covered with snow, less than 6 ins., but ground frozen.
9 . . „ covered with snow greater than 6 ins. deep.

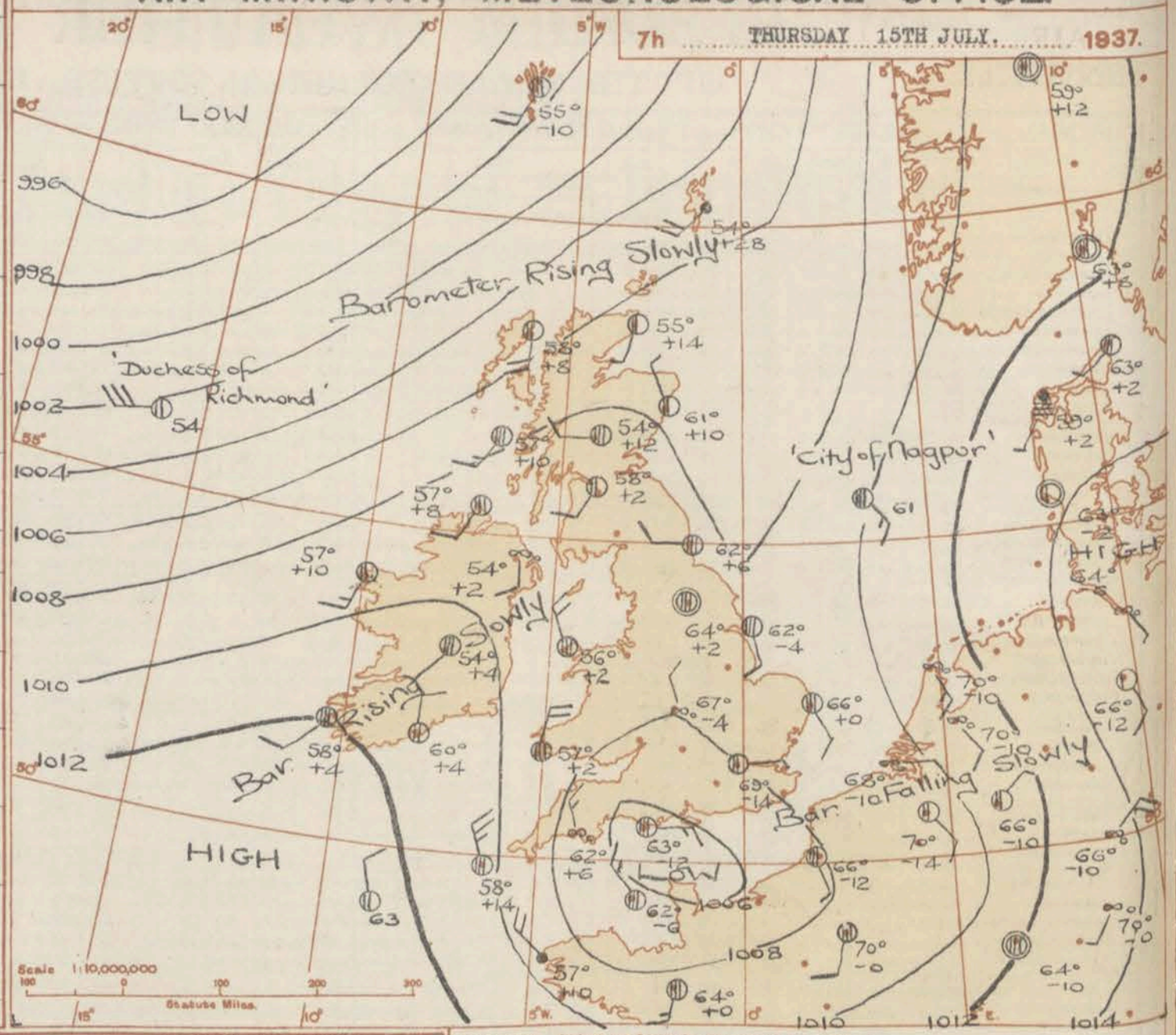
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† See disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 14th July 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 13th to 9h. 14th	Temperature (°F.) Max. 9h.—17h. 14th	Rainfall (mm.) Night. 17h. 13th to 9h. 14th	Rainfall (mm.) Day. 9h.—17h. 14th	Sunshine (Hrs.) Sunrise to 17h. 14th	Sunshine (Hrs.) Sunrise to Sunset. 13th
1	Tunbridge W.	bcb	bcb	54	77	-	-	8·0	7·6
	Bournemouth	bbc	bcb	63	73	-	-	6·5	4·0
	Ventnor ...	cbc	cb	60	71	-	-	5·8	4·9
	Southsea ...	b	bcb	62	74	-	-	7·9	+
	Bognor Regis	bcb	b	61	68	-	-	9·0	4·4
	Littlehampton	bc	bcb	58	69	-	-	8·5	4·2
	Worthing ...	bcb	b	59	68	-	-	7·3	3·9
	Brighton ...	cb	b	60	69	-	-	7·4	3·2
	Eastbourne† ...	cbc	bcb	60	68	-	-	6·5	3·9
	Hastings† ...	cbcb	b	57	71	-	-	6·4	3·9
	Folkestone ...	cbc	bczb	57	75	-	-	6·9	4·7
	Dover ...	cbc	bcb	58	76	-	-	7·5	5·6
	Deal	bccbc	b	58	77	-	-	7·7	2·9
	Ramsgate ...	cbc	bcb	60	73	-	-	6·9	3·7
	Margate ...	cbc	bc	60	78	-	-	8·5	7·1
2	Southend ...	cb	b	60	78	-	-	8·0	5·6
	Maldon ...	cb	b	56	81	-	-	7·6	6·7
	Clacton-on-Sea	cbc	bc	59	72	-	-	8·9	6·1
	Dovercourt ...	bcc	bcv	59	72	-	-	10·0	7·5
	Lowestoft ...	bbcc	b	62	73	-	-	9·4	7·5
	Skegness ...	bcc	b	58	73	-	-	6·3	7·6
	Mablethorpe...	bccbc	bbcy	57	79	-	-	7·3	6·6
	Cleethorpes ...	bc	bc	58	80	-	-	10·2	4·1
3	Leamington S.	bcb	b	63	81	-	-	8·6	8·1
4	Cheltenham†	cbc	b	61	81	-	-	8·5	8·0
5	Bath	bcb	bbc	62	77	Trace	-	9·2	6·0
	Weymouth ...	cb	b	60	68	-	-	7·5	5·7
	Jersey ...	bcb	bc	58	84	-	-	12·5	0·1
	Torquay ...	c	cbcb	58	68	-	-	4·3	0·5
	Penzance ...	bcb	bbcc	56	69	Trace	-	6·5	0·0
	St. Ives ...	b	o	57	75	-	Trace	7·8	0·1
	Bude... ...	bc	bc	52	75	-	-	8·4	0·0
	Ilfracombe ...	bcbbc	bbc	58	75	-	-	9·5	0·9
6	Aberystwyth	cbc	bcc	60	75	-	-	8·4	2·2
7	Llandudno ...	b	bbcc	58	76	-	-	10·2	8·0
	Colwyn Bay...	bbcbc	bcbcc	61	76	-	-	10·7	7·6
	Rhyl	b	bbcc	60	78	-	-	10·5	7·6
8	Wallasey ...	b	bbc	60	78	-	-	11·8	7·4
	Southport ...	b	bbc	58	76	-	-	12·4	7·4
	Blackpool ...	b	bbc	61	73	-	-	9·8	9·7
	Morecambe ...	bcb	b	59	74	-	-	7·3	4·7
9	Ilkley... ...	bcb	bbc	58	80	-	-	10·5	1·6
	Harrogate ...	bcb	bbc	60	78	-	-	9·6	2·1
10	Berwick-on-T.	c	c	59	68	1	-	2·3	2·9
11	Dunbar ...	cmc	bc	60	71	1	-	3·1	0·0
12	Troon... ...	vcbcc	cbcor	58	64	7	1	1·1	2·9
	Douglas ...	bc	cb	55	64	Trace	-	6·1	1·2

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands	Light variable winds, becoming westerly; thunderstorms or thundery rain at first; fair later; warm at first; temperature falling decidedly later.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Moderate northwest to west winds; mainly fair; average temperature.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light northwest wind, backing southwest; mainly fair; average temperature.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate west to southwest winds; fair; average temperature.

GENERAL INFERENCE.

A depression south of Iceland is moving northeast and an associated trough extends south-southwest from the North Sea to Northwestern France. There will be thunderstorms or thundery rain at first in the east; temperature falling decidedly later. Elsewhere weather will be mainly fair with average temperature.

FURTHER OUTLOOK.

Mainly fair.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

H.M. Stationery Office Press, Kingsway, W.C.2 C.224(3858) Wt.8050. 3.450. G.&S.&E. 2.2d.10. 7/37

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Thursday 15th July,
1937.

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

Clarke's Projection Scale 1: 4 x 10⁷ along meridian 46 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :— ◯

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS.— ◯ Clear sky. ◔ Sky less than 2/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✱ Snow. ✱ Sleet. △ Hail ≡ Fog. ≡ Mist. (K) Thunder. ⚡ Thunderstorm. ∞ Slight haze.

The hour of observation is not uniform throughout the Hemisphere: a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 15th July, 1937.

No. 27629

OBSERVATIONS at 1 hr. G.M.T. 15th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1010·6	-14	SE	3	bc	65	86	7	-	3	1	0	2·3	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1011·6	-18	ESE	3	$0	67	85	6	-	-	8	0	4·6	-
	Manston ...	142	1011·1	-18	ESE	2	$0	63	92	6	-	-	-	0	0	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1011·2	-10	SSE	3	b	63	85	7	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1008·6	-16	E	3	c	62	92	7	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1008·1	0	-	0	cf	61	92	2	5	-	-	10	10	800
	Scilly (St. Mary's)	163	1005·5	+2	NW'N	5	c	59	97	7	5	-	-	9+	9+	1500
	Guernsey ..	175	1006·7	-18	SE	1	bc	68	85	9	-	2	-	0	2-3	-
6	Pembroke ...	142	1006·6	0	NE	2	c	60	97	7	5	-	-	10	10	1500
7	Holyhead ...	26	1006·8	+2	SW	1	r/dr	58	92	7	9	7	-	7·8	9+	800
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1009·4	-14	SSE	3	c	62	97	7	5	1	-	7·8	9	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1007·5	-8	S	2	c/bc	63	85	6	-	2	-	10	10	800
11	St. Abbs Head	280	1007·4	+10	SW	2	c	61	97	7	8	7	-	4·6	7·8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1008·6	+4	-	0	r&c	57	97	8	6	-	-	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1003·6	-2	SSW	4	c/bc	55	92	7	5	7	-	7·8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1003·6	-8	NNW	2	d	56	97	6	5	2	-	9	10	800
16	Lerwick ...	156	1004·1	-26	SE	4	c	55	97	6	6	2	-	9	10	450
17	Blacksod Point	18	1008·2	+8	W	6	bc	56	92	8	3	-	-	2·3	2·3	1500
18	Malin Head ...	84	1006·6	+2	W	2	bc	55	97	7	4	-	-	4·6	4·6	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1011·1	+6	WSW	3	bc	56	92	7	5	-	-	2·3	2·3	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 15th July

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1007·2	-12	ENE	2	bc	70	75	5	5	4	4	2·3	4·6	4000	1	*
1007·6	-14	E	1	bc	60	85	6	3	8	3	Tr	4·6	4000	0	*
1007·5	-12	ESE	1	$0	65	85	6	-	9	2	0	7·8	-	0	*
1006·7	-14	E	2	bc	65	85	7	-	3	8	0	4·6	-	0	*
1007·1	-14	ENE	3	c	66	92	6	5	7	6	2·3	9	4000	0	1
1008·5	-8	E'S	1	c	69	76	6	5	-	2	4·6	7·8	4000	0	§1
1008·7	-6	SE	2	$0	63	85	6	-	-	6	0	7·8	-	1	*
1008·7	-12	E	1	bc	68	85	6	-	-	8	0	4·6	-	0	*
1008·7	-2	ESE	1	bc	67	85	6	-	4	6	0	4·6	-	0	1
1008·6	0	SE	2	c	66	85	6	-	5	4	0	7·8	-	0	2
1008·8	-6	SE	1	$0	67	85	6	5	3	3	2·3	9	5700	0	*
1008·6	-6	S	2	$0	64	92	6	1	4	3	Tr	9	4000	0	*
1008·1	-1	NNW	2	$0	67	85	5	-	9	-	0	9+	-	0	*
1007·9	-18	ESE	2	$0	66	85	6	-	3	9	0	7·8	-	0	*
1007·3	-6	ESE	2	ct	62	85	6	6	2	-	4·6	10	2500	0	*
1007·2	-10	W	2	ct	65	85	6	9	7	-	9	10	1500	0	*
1005·6	-12	E	3	c	63	92	7	4	4	-	7·8	10	2500	0	3
1007·6	+6	NNW	3	$0	62	92	7	5	-	-	10	10	800	1	-
1008·8	+14	NW	4	c	59	92	7	8	7	-	7·8	9	2500	0	2
1010·7	+14	NNW	5	c	58	85	8	8	6	-	4·6	7·8	2500	0	3
1006·3	-6	WNW	3	c	62	97	6	8	7	-	7·8	10	2500	0	1
1008·7	+2	N'E	4	c	57	97	7	5	2	-	7·8	9+	1500	1	2
1009·4	+2	NW	4	c	56	92	8	9	5	8	1	7·8	450	1	2
1009·1	+4	NW	3	$0	60	92	6	6	2	-	9	10	1500	1	*
1007·7	+2	NW	2	$0	61	85	6	5	-	-	10	10	2500	0	*
1008·6	-4	SSE	2	c	62	97	7	5	4	-	4·6	7·8	4000	0	1
1008·1	+2	NW	3	c	58	85	7	8	4	1	4·6	9	2500	1	1
1009·0	+6	W	2	bc	57	85	9	5	7	5	Tr	4·6	4000	1	*
1008·7	+2	SW	2	bc	58	85	8	1	-	5	2·3	4·6	2500	1	*
1008·5	+4	W	1	bc	58	75	8	5	3	6	1	4·6	800	1	*
1009·6	+4	N	1	F	55	97	1	-	-	-	10	10	150	1	1
1007·1	+10	SW	3	c	57	85	8	8	7	-	1	9+	1500	1	3
1005·1	+8	S	4	bc	58	75	7	5	-	5	4·6	4·6	1500	1	2
*	+12	W	2	c	54	85	7	4	5	-	4·6	7·8	2500	1	*
1007·7	+10	NW'N	1	bc	61	75	9	2	8	6	Tr	4·6	2500	1	1
1006·1	+14	SSW	1	bc	55	92	8	5	2	-	2·3	2·3	1500	1	1
1005·0	+28	WSW	4	r&c	54	97	8	9	2	-	7·8	10	800	1	*
1009·4	+10	SW	3	bc	57	85	8	9	-	-	4·6	4·6	1500	0	3
1007·9	+8	SW	2	c	57	92	7	4	9	-	2·3	9	2500	1	1
1009·3	+2	S	2	$0	54	97	6	5	-	-	9+	9+	220	1	*
1010·2	+4	WSW	1	c	54	97	8	5	7	-	4·6	9+	2500	1	*
1012·1	+4	WSW	2	c	58	97	8	5	7	-	7·8	9+	800	1	2
1011·5	+4	N	2	bc	60	85	8	-	-	5	0	2·3	-	1	1

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 14th Hrs. (36)
79	61	53	-	-	10·6
76	62	57	-	-	10·4
78	58	51	-	Tr	11·3
74	59	56	-	-	11·5
74	61	57	-	-	11·4
72	60	57	-	-	8·7
76	59	54	-	-	8·5
75	60	54	-	-	9·0
72	68	59	-	-	9·8
74	62	60	-	-	12·5
81	56	51	-	-	8·3
79	55	47	-	-	7·6
79	61	56	-	-	8·6
80	60	55	-	-	*
78	58	55	-	-	9·4
76	57	54	-	-	10·3
68	60	*	-	-	*
74	61	57	-	Tr	7·5
65	58	*	-	-	*
69	57	*	0·2	Tr	7·8
75	61	61	-	-	14·1
67	55	*	0·3	0·4	4·7
67	55	55	1	9	6·0
81	59	58	-	0·1	12·8
77	60	58	-	-	9·6
78	60	*	-	-	11·7
78	59	56	-	Tr	10·4
75	61	58	-	0·1	9·0
68	57	*	-	1	*
69	55	50	-	3	13
70	58	48	1	7	1·7
62	53	45	1	9	1·1
74	54	*	-	13	5·3
60	53	52	6	6	0·0
62	54	*	0·1	3	4·0
67	44	39	2	17	2·5
72	57	54	-	1	0·7
71	53	*	-	6	*
61	53	*	1	2	3·7
61	52	*	5	-	*
66	54	*	2	4	0·0
70	51	47	1	3	0·2
70	49	40	1	1	1·5
61	54	50	16	Tr	1·5
61	50	*	3	0·3	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cbcby	bccy	cybcWz	79	61	53	-	-	10·6	*	*	6
Croydon	217	cbby	bcy@	cbwm	78	62	57	-	-	10·4	*	*	8
Greenwich (Royal Observatory)...	149	cby	bcy	cbc@	80	56	47	-	-	10·5	52	63	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	10·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	79	65	61	-	-	10·4	54	69	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	80	62	58	-	-	10·4	55	65	*
Camden Square	110	bc	b	*	84	63	56	-	-	*	At 18h	67	*
Kensington	80	bc	bc	*	80	62	56	-	-	10·4	55	71	*
Hampstead Observatory	450	bc	bc	bc	80	59	53	-	-	10·3	*	73	*

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	5·7h 15th	0·3	15–18h 14th

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	6h 15th	0·1	7–22h 14th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 14th July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 15th July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1013·1	SE	2	bc	79	1008·7	SSW	2	c	70
Brussels						1009·2	SE'E	2	bc	70
Berlin	1015·1	NW	4	bc	68	1024·9	SW	1	$0	66
Zurich	1015·5	NE	2	b	79	1014·1	NW	1	$0	63
Rome										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
81	61	-	-
	61		-
73	57	-	-
*	57	-	-
*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday 16th July, 1937.
No. 27630

OBSERVATIONS at 13h. G.M.T. 15th July, 1937

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1004·7	−1·4	S	2	c	78	65	7	8	–	7	1	10	2500
	Croydon ...	1004·5	−1·8	S'W	2	c	81	55	8	2	–	3	4·6	9+	4000
	S. Farnborough	1005·2	−·8	S'W	1	c	72	75	7	8	1	–	4·6	10	4000
	Boscombe Down	1006·2	+·4	WNW	3	rr	65	97	6	9	2	–	7·8	10	800
	Calshot (Sthmtn.)	10059	−1·0	W'N	3	pr	66	92	7	8	7	–	7·8	10	1500
	Lympne ...	10059	−1·4	–	0	c	72	75	6	2	7	6	1	9+	4000
	Manston ...	1005·2	−2·0	ESE	2	c	73	75	6	1	7	–	Tr	9	2500
2	Shoeburyness ...	1006·3	−1·6	E	3	c	74	75	6	3	9	6	1	9+	4000
	Felixstowe ...	1006·3	−1·6	ENE	3	2_0	73	75	6	2	–	9	Tr	9	4000
	Gorleston ...	1006·6	−1·4	NE'E	2	c	67	85	5	1	7	–	2·3	7·8	2500
	Mildenhall ...	1005·1	−2·0	SE'E	3	c	77	65	8	8	–	6	4·6	9	4000
	Cranwell ...	1006·0	−1·8	N'W	2	c	77	65	7	2	–	1	9	9+	4000
3	Birmingham ...	1007·2	−1·0	NNW	3	r/tlr	60	97	4	56	–	–	10	10	800
4	Upper Heyford	1005·6	−1·4	NW	3	tlr	65	92	5	9	2	–	9	10	800
	Ross-on-Wye	1007·8	+·4	W'S	1	tlr	59	97	5	6	–	–	10	10	800
5	Bristol ...	1006·8	0	–	0	RR	60	97	5	6	2	–	7·8	10	800
	Portland Bill ...	1005·4	−·8	N	3	RR	64	85	7	4	–	–	10	10	2500
	Plymouth ...	1008·9	−1·8	NW'N	5	c	63	75	8	2	3	1	7·8	7·8	1500
	The Lizard ...	1011·6	+1·6	WNW	4	bc	63	75	8	2	7	–	2·3	4·6	2500
	Scilly (St.Mary's)	1013·1	+1·4	NW'N	4	bc	66	75	8	8	6	–	2·3	2·3	2500
	Guernsey ...	1007·5	+·8	NW'W	4	r_0	59	97	5	5	–	–	10	10	1500
6	Pembroke ...	1010·1	+·6	NNW	3	q	61	75	8	7	6	1	2·3	4·6	4000
7	Holyhead ...	1010·2	+·6	NW'N	3	q	58	85	8	2	–	7	Tr	9	2500
	Chester (Sealand)	1009·4	+·8	NNW	4	RR	57	97	6	–	2	–	10	10	800
8	Manchester ...	1008·3	−·6	WNW	4	r/tlr	60	97	5	9	2	–	7·8	10	1500
10	Spurn Head ...	1006·7	−1·4	E	2	c	66	85	6	5	7	2	4·6	7·8	4000
	Catterick ...	1007·6	−·6	N'E	3	r_0	64	85	6	5	7	–	4·6	10	1500
	Tynemouth ...	1008·5	+·8	NNE	2	c	58	85	7	5	–	–	7·8	7·8	800
11	St. Abbs Head	1009·1	−·6	NW	3	c	59	75	7	4	7	–	7·8	9+	1500
12	Leuchars ...	1008·9	+·2	W	2	bc	67	55	9	7	7	5	2·3	7·8	4000
	Renfrew (Abbotsl.)	1009·4	+·2	WNW	1	c	65	65	9	8	–	6	7·8	7·8	4000
	Eskdalemuir ...	1008·3	·0	WNW	2	c	65	65	8	5	1	8	4·6	9+	2500
	Point of Ayre...	1010·1	+·2	NW'W	3	c	64	85	8	2	–	6	1	9	4000
13a	Tiree	1007·8	+·6	SW	5	c	59	85	8	2	6	–	4·6	7·8	1500
13b	Stornoway ...	1007·0	+1·0	S	5	bc	61	75	8	8	4	–	4·6	4·6	4000
15	Dalwhinnie ...	*	+·6	W	3	c	60	75	8	5	6	–	4·6	10	4000
	Aberdeen ...	1009·7	+1·2	ESE	3	c	59	85	8	3	8	6	Tr	9+	2500
	Wick ...	1007·8	+·8	SSE	2	bc	60	85	8	5	7	–	4·6	7·8	1500
16	Lerwick ...	1008·2	+·4	WSW	4	bc	58	85	8	7	3	5	2·3	2·3	2500
17	Blacksod Point	1010·0	+1·0	W	3	bc	60	85	8	2	–	4	2·3	4·6	1500
18	Malin Head ...	1009·6	+1·4	WNW	3	bc	60	92	8	2	–	2	2·3	4·6	2500
	Aldergrove ...	1009·9	−·2	W'S	2	c	64	65	9	8	–	1	9	9	2500
19	Birr Castle ...	1011·1	+·4	SW	1	c	66	55	8	4	3	4	4·6	9+	2500
20	Valentia Obsy.†	1014·0	+·6	W'N	3	pr	62	85	8	9	–	–	9+	9+	1500
	Roches Point	1012·0	+·2	SW	2	bc	61	85	9	3	–	3	4·6	4·6	1500

OBSERVATIONS at 18h. G.M.T. 15th July, 1937

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1004·1	+2	NW'N	3	ir_0	68	75	7	9	2	–	7·8	10	1500	1	*
	Croydon ...	1003·8	−4	NW'N	2	2_0	69	75	6	5	7	7	4·6	10	4000	1	*
	S. Farnborough	1004·3	−2	WNW	1	rr	66	85	5	6	2	–	7·8	10	2500	1	*
	Boscombe Down	1005·4	+6	NW'N	3	rr	59	97	6	6	2	–	9	10	1500	1	*
	Calshot (Sthmtn.)	1005·1	−2	W'N	2	RR	63	97	5	5	2	–	9	10	1500	1	1
	Lympne ...	1005·0	−4	SSW	2	rr	63	97	4	6	2	–	9+	10	220	1	§ 2
	Manston ...	1003·5	−12	SW	2	ir_0	68	85	7	5	2	–	4·6	10	4000	1	*
2	Shoeburyness ...	1003·6	−4	–	0	ir_0	65	92	8	9	2	–	4·6	10	1500	1	*
	Felixstowe ...	1003·5	−12	S'E	2	2_0	66	85	5	5	2	–	9	10	2500	0	1
	Gorleston ...	1003·3	−2·0	NNE	1	r/Hr	65	92	4	6	–	–	10	10	1500	1	2
	Mildenhall ...	1003·7	+4	W'S	4	Hr	64	97	5	9	2	–	9	10	1500	1	*
	Cranwell ...	1004·2	−2	NW	4	Hr	61	92	6	9	–	–	10	10	2500	2	*
3	Birmingham ...	1006·9	−·8	NNW	4	rr	55	97	5	6	–	–	10	10	800	1	*
4	Upper Heyford	1005·7	−·2	NNW	4	r_0	58	92	6	6	2	–	9	10	800	1	*
	Ross-on-Wye	1007·3	−·6	N	4	c	57	92	8	6	1	–	9	9+	1500	1	*
5	Bristol ...	1007·7	+·6	NW	3	ir_0	58	92	6	6	2	–	9	10	800	1	*
	Portland Bill ...	1007·0	+1·2	NW	4	c	61	85	7	4	–	–	7·8	7·8	2500	2	4
	Plymouth ...	1010·2	+·2	NW	5	bc	62	65	8	2	–	8	4·6	7·8	2500	1	2
	The Lizard ...	1012·6	+1·0	WNW	4	bc	61	75	8	2	4	–	2·3	2·3	2500	0	3
	Scilly (St.Mary's)	1013·7	+·4	WNW	5	bc	62	85	8	1	–	1	2·3	2·3	2500	0	3
	Guernsey ...	1009·8	+2·2	NW	5	bc	60	85	7	–	1	–	0	4·6	–	2	4
6	Pembroke ...	1009·9	+·2	NW	3	q	60	92	8	4	7	1	2·3	4·6	2500	0	2
7	Holyhead ...	1009·7	−·6	NW'W	2	c	60	75	9	1	–	7	Tr	9+	4000	1	1
	Chester (Sealand)	1008·7	−·6	NW'W	4	c	59	85	7	4	2	–	9	10	4000	1	*
8	Manchester ...	1008·2	−·2	WNW	2	r_0	58	97	5	6	2	–	9	10	800	1	*
10	Spurn Head ...	1005·4	−1·6	N'E	7	q	60	97	6	5	2	–	9	10	1500	0	3
	Catterick ...	1008·3	−·6	N'W	3	ir	58	92	7	6	–	–	10	10	1500	1	*
	Tynemouth ...	1008·5	−·4	N	2	o	58	85	7	6	–	–	10	10	800	1	1
11	St. Abbs Head	1008·9	−·4	SE	2	rr	57	92	6	5	2	–	7·8	10	800	1	1
12	Leuchars ...	1008·7	−·2	NE	1	c	62	75	8	7	7	8	2·3	9	4000	1	*
	Renfrew (Abbotsl.)	1009·7	+·4	WNW	2	c	63	65	9	2	–	8	1	9	4000	1	*
	Eskdalemuir ...	1008·4	−·4	NW'N	3	c	63	65	8	5	–	8	4·6	9+	2500	1	*
	Point of Ayre...	1009·7	−·2	NW'N	3	c	59	85	8	2	–	7	1	10	4000	0	2
13a	Tiree	1010·2	+·4	W	3	bc	59	85	8	2	6	1	2·3	4·6	2500	0	2
13b	Stornoway ...	1008·6	+·6	SSW	4	pr	58	85	8	3	7	3	4·6	9	2500	1	2
15	Dalwhinnie ...	*	+·4	W	2	c	59	65	8	4	1	–	2·3	9	4000	0	*
	Aberdeen ...	1009·5	−·2	E	1	c	59	75	8	2	9	6	Tr	9+	2500	0	1
	Wick ...	1008·9	+·6	S	1	c	56	85	8	7	3	–	4·6	7·8	1500	1	1
16	Lerwick ...	1010·3	+1·2	S	3	c	56	85	8	7	9	8	4·6	7·8	2500	1	*
17	Blacksod Point	1013·2	+1·4	W	3	bc	60	85	8	2	3	–	4·6	4·6	1500	0	3
18	Malin Head ...	1010·8	+·8	WNW	4	bc	59	92	8	2	–	1	2·3	4·6	2500	0	2
	Aldergrove ...	1010·2	−·2	N'W	1	pr	63	65	9	8	–	4	9	9	2500	1	*
19	Birr Castle ...	1011·7	+·2	SW	1	bc	66	55	8	1	–	–	2·3	2·3	4000	1	*
20	Valentia Obsy.†	1015·6	+1·4	W'N	3	bc	62	85	8	8	–	–	2·3	2·3	1500	1	2
	Roches Point	1012·9	+·4	N	3	bc	65	65	9	2	–	–	4·6	4·6	2500	1	1

PAST 24 HOURS.

Weather. 7h.—18h. 15th. (37)	13h.—18h. 15th. (38)	18h. 15th. to 1h. 16th. (39)	1h.—7h. 16th. (40)
bccz$_0$c	cHrc	cr$_0$r$_0$c	cr$_0$cbc
Croydon ... bc●c	RTLRc	rrr$_0$r$_0$m$_0$	r$_0$r$_0$r
S. Farnborough cbcz$_0$c	cHr$_0$rrm$_0$	rroRr$_0$	air$_0$d$_0$bc
Boscombe Down bccHr$_0$r	crr	crrbc	bcb
Calshot (Sthmtn.) cHprr$_0$r	cpr$_0$RR	crr	b
Lympne ... cHprr$_0$r	cpr$_0$RR	crr	b
Manston ... bccbcz$_0$	cz$_0$r$_0$rm	rmffrrq	rmd$_0$drr
Shoeburyness ... bcm$_0$cz$_0$	cz$_0$r$_0$	rrRRq	rrr$_0$r$_0$qm$_0$
Felixstowe ... bccm$_0$	HRRir$_0$	ir$_0$R	Rirc
Gorleston ... bczcz$_0$	cm$_0$tm$_0$	brr$_0$cir$_0$	HqRR
Mildenhall ... cz$_0$z$_0$	czoHrr	or$_0$r$_0$	or$_0$r$_0$o
Cranwell ... cz$_0$c	by HR	Hrr$_0$rrr	RRrr
Birmingham ... cm$_0$c	THRhfRR	r$_0$r$_0$RR	RRrr$_0$r$_0$c
Upper Heyford corlrR	oHRr	oir	cbc
Ross-on-Wye cm$_0$Hr$_0$	cRHr$_0$r$_0$	cRrr$_0$c	bcbbc
HRrt|	RHorc	c	cb
Bristol ... cHRR	RRmfm	cr$_0$d$_0$bc	bcb
Portland Bill ... Rrt	Rrt	bc	bc
Plymouth ... cir$_0$bcc	cbc	bcb	bbc
The Lizard ... bc	bc	bcbw	bbcw
Scilly (St.Mary's) cbc	bc	bcbw	bbcwc
Guernsey ... oiR	or$_0$R	bc	bc
Pembroke ... cqbc	bcq	bcq	bqbc
Holyhead ... bcc⊕	c⊕	cb	b
Chester (Sealand) r$_0$r$_0$rRRm$_0$RRrr$_0$mc	cbc	bcbc	
Manchester ... cm$_0$Hr	crrm$_0$	r$_0$r$_0$cm$_0$	cm$_0$c
c	cq	qrr	rrq
Catterick ... cr$_0$r$_0$m$_0$	ir$_0$m$_0$ir	tlrrr	cbc
Tynemouth ... cp$_0$c	cp$_0$o	occa	Op$_0$c
c	rrm$_0$c	cmbc	c
Leuchars ... bc	bcc⊕	cbcc	cbcw⊕
Renfrew (Abbotsl.) bcc	cbcc	cbc	bwbcb
Eskdalemuir ... bcc	cyc	cbc	bcbbc
Point of Ayre... Fc	c	cbc	bc
Tiree ... ... cbccv	bcpr$_0$	bcw	bcc
Stornoway ... bc	bccpr$_0$	pr$_0$c	cpr$_0$
Dalwhinnie ... v	c	c	c
Aberdeen ... bcvb$_0$c	cbccv	Ncr$_0$c	c
Wick ... bcc	c	r$_0$r$_0$c	cm$_0$c
Lerwick ... cr$_0$r$_0$bc	bcc	c	cpr$_0$
Blacksod Point pr$_0$	bc	bc	bc
Malin Head ... bc	bc	c	c
Aldergrove ... cm$_0$cr$_0$c	bcycpr$_0$	cpr$_0$bc	bcwc
cy	cbcy	bc	bcc
Birr Castle ... ccpr$_0$	cpr$_0$bbc	bcw	bcwc
Valentia Obsy.† bcv	bc	bcbw	bcwc⊕
Roches Point			

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jr, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_0$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_0$, slight rain. rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ⊙ lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

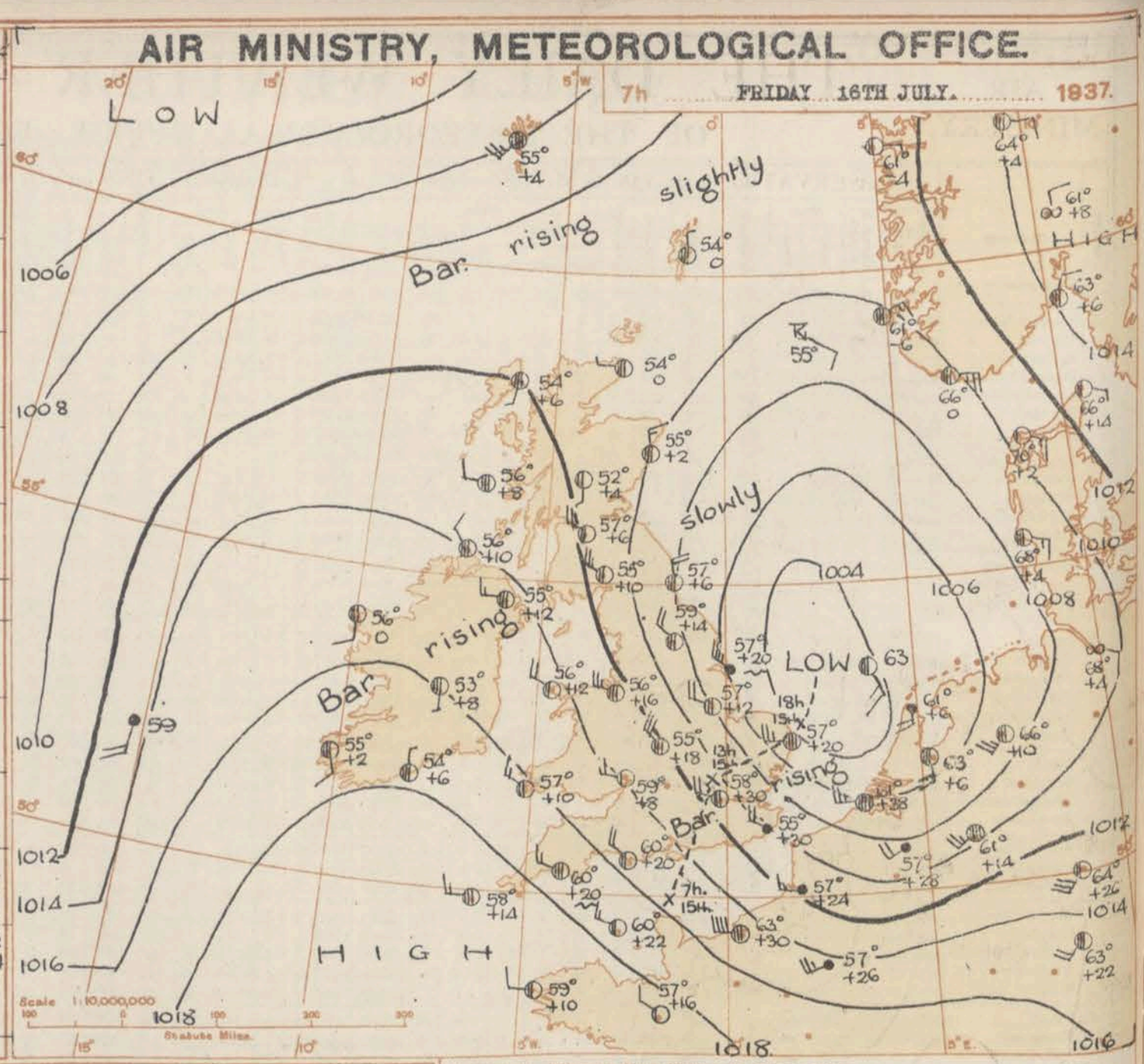
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for Thursday, 15th July, 1937.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F.) Min. 9h.14th. to 9h.15th.	Temperature (°F.) Max. 9h.—17h. 15th.	Rainfall (mm.) Night. 17h.14th. to 9h.15th.	Rainfall (mm.) Day. 9h.—17h. 15th.	Sunshine (Hrs.) Sunrise to 17h. 15th.	Sunshine (Hrs.) Sunrise to Sunset 14th.
1	Tunbridge W.	bcchc	ctpco	58	82	–	Trace	4·0	9·8
	Bournemouth	cRH	r	62	72	–	36	0·3	8·0
	Ventnor ...	cop	or	63	67	–	3	0·7	7·7
	Southsea ...	bcc	cor	61	72	–	0·2	0·3	9·5
	Bognor Regis	bcco	or	64	72	–	0·3	2·5	10·9
	Littlehampton	bcc	co	63	73	–	–	3·1	10·8
	Worthing ...	bbcc	o	63	74	–	–	2·5	9·4
	Brighton ...	co	o	63	73	–	–	4·7	9·2
	Eastbourne† ...	c	co	60	73	–	–	3·2	8·6
	Hastings† ...	bcc	co	64	72	–	–	2·9	8·5
	Folkestone ...	bbcz	bcco	61	74	–	–	5·8	7·7
	Dover ...	bcc	co	60	72	–	–	5·7	8·5
	Deal	bbobc	co	60	74	–	–	5·3	8·8
	Ramsgate ...	bcm	cm	62	71	–	–	6·0	10·0
	Margate ...	bc	bccd	62	75	–	Trace	6·3	9·8
2	Southend ...	bc	cotr	62	79	–	20	7·0	8·5
	Maldon ...	bbc	bctr	58	77	–	5	6·0	8·3
	Clacton-on-Sea	bcm	bccm	63	71	–	–	8·5	10·2
	Dovercourt ...	bc	bccm	64	75	–	–	10·0	11·3
	Lowestoft ...	b	bccrt	61	75	–	Trace	9·0	10·9
	Skegness ...	bcbz	bzbc	61	71	–	–	8·7	8·4
	Mablethorpe ...	bccbc	bcco	59	68	–	–	6·7	9·0
	Cleethorpes ...	bc	bcc	61	71	–	–	4·8	12·4
3	Leamington S.	co	orrt	61	73	–	25	1·0	10·3
4	Cheltenham†	orrH	torr	57	69	1	40	0·0	10·6
5	Bath	tlRr	tlRr	60	67	–	50	1·3	11·2
	Weymouth ...	c	RHr	63	69	–	8	0·0	9·0
	Jersey ...	c	qrcbc	62	63	–	17	0·6	14·5
	Torquay ...	orH	qbcbjyq	61	66	13	–	3·0	4·3
	Penzance ...	bcb	b	58	67	–	–	9·5	6·8
	St. Ives ...	c	b	56	68	–	–	8·9	7·9
	Bude... ...	cbc	bc	59	69	–	–	5·3	8·4
	Ilfracombe ...	bcc	cbc	59	65	–	–	6·4	9·5
6	Aberystwyth	cprc	c	58	64	4	0·3	0·0	8·4
7	Llandudno ...	c	c	57	60	3	–	0·0	10·2
	Colwyn Bay...	poc	cbcc	57	61	4	–	0·0	10·7
	Rhyl	cprc	cprc	58	60	5	1	0·0	10·5
8	Wallasey ...	oHr	rro	59	60	Trace	12	0·0	12·1
	Southport ...	otir	tERo	59	61	–	13	0·0	12·7
	Blackpool ...	iR	Rorc	59	62	4	15	0·0	10·5
	Morecambe ...	rircr	rrorc	59	62	2	13	0·0	8·3
9	Ilkley... ...	coro	rortr	61	68	–	6	1·5	12·2
	Harrogate ...	c	cir	62	68	–	Trace	0·8	10·4
10	Berwick-on-T.	c	cPo	59	63	1	2	0·4	2·4
11	Dunbar ...	cr	bcm	57	68	3	–	3·4	3·8
12	Troon... ...	cbcbc	bcebc	55	63	8	–	8·7	1·2
	Douglas ...	bc	cb	54	64	16	–	6·8	6·1

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th July, 1937.
1 S.E. England 2 E. England ...	Wind moderate west, backing southwest; mainly fine; average temperature.
3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Moderate northwest wind, backing southwest; fine, becoming cloudy, occasional rain later; average temperature.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13 A. W. Scotld. / B.N.W.Scotland.	Light west winds, backing south; fine today, cloudy with occasional rain tomorrow; average temperature.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light variable wind; mainly fine; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh south to southwest winds; cloudy, occasional rain; average temperature.

GENERAL INFERENCE.

A wedge of high pressure is moving east across the British Isles, and a depression west of Ireland is moving eastnortheast. Weather will be mainly fine today in England and Wales, but rain will spread eastwards from Ireland later and extend to the Central districts of England tomorrow. Temperatures will be average.

FURTHER OUTLOOK.

Mainly fair.

Forecasts issued at 10. 30 a.m.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Friday 16th July,
1937.

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

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere of a chart showing the hours at which the observations are taken is contained in the Introduction

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 16th July, 1937.

No. 27630

OBSERVATIONS at 1 hr. G.M.T. 16th July, 1937

District	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1006·0	+12	WNW	4	c̥c̥	56	92	6	6	2	–	7·6	10	800
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1004·8	+6	WNW	4	d̥d̥	59	97	5	–	2	–	10	10	800
	Manston ...	142	1003·0	+4	NNW	4	rr	61	92	5	6	–	–	10	10	450
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1001·5	–4	W'N	2	c̥c̥	63	97	5	6	–	–	10	10	1500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1011·0	+8	NW	4	bc	55	85	8	4	–	–	4·6	4·6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1015·6	+10	WNW	4	b	56	92	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	1016·7	+6	WNW	4	b	57	92	8	–	–	–	0	0	–
	Guernsey ..	175	1013·6	+6	W'S WNW	5	bc	58	92	7	–	1	–	0	2·3	–
6	Pembroke ...	142	1012·7	+4	NW	4	q	57	85	8	5	6	–	2·3	4·6	2500
7	Holyhead ...	26	1011·7	+6	NNW	4	b	56	88	8	–	–	9	0	1	–
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1001·6	+5	NW'N	7	RR	58	97	7	5	–	–	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1007·1	–6	NW	3	o	56	75	7	6	–	–	10	10	800
11	St. Abbs Head	280	1009·4	–2	N	4	bc	53	97	8	5	1	3	2·3	4·6	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1011·4	+6	NW	4	bc	55	97	8	–	4	–	0	2·3	–
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1011·2	+6	SW	1	c	53	92	8	5	7	–	4·6	7·8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1010·6	+14	S	1	c	54	92	7	5	–	–	10	10	1500
16	Lerwick ...	156	1011·3	+2	–	0	c	53	92	8	7	8	–	4·6	7·8	1500
17	Blacksod Point	18	1014·6	+10	W	2	bc	53	92	8	3	–	–	4·6	4·6	1500
18	Malin Head ...	84	1012·2	+4	NW	3	c	53	97	7	4	–	–	7·8	7·8	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1016·6	+10	W	2	bc	56	92	8	7	–	–	4·6	4·6	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 16th July, 1937

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0–9 (22)	Cloud. Form. Low (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1011·0	+22	WNW	3	c	59	65	8	5	7	4	2·5	7·8	2500	1	*
	Croydon ...	1011·1	+30	W'N	4	c	58	75	8	5	5	–	2·5	5	5700	1	*
	S. Farnborough	1012·4	+26	WNW	4	bc	57	75	8	–	3	–	0	2·3	–	1	*
	Boscombe Down	1013·5	+22	WNW	4	bc	58	85	7	–	7	–	0	2·3	–	1	*
	Calshot (Sthmtn.)	1013·2	+22	W'N	4	bc	55	85	8	5	7	–	1	2·3	2500	1	3
	Lympne ...	1003·7	+30	WNW	4	c̥c̥	55	92	6	6	2	–	7·8	10	800	1	53
	Manston ...	1006·3	+34	NW	5	c̥c̥	56	85	6	6	2	–	9+	10	450	1	*
2	Shoeburyness...	1008·8	+30	WNW	4	r	57	92	8	6	2	–	9	10	1500	1	*
	Felixstowe ...	1007·0	+30	WNW	5	c̥c̥	58	85	8	6	2	–	9+	10	800	1	3
	Gorleston ...	1004·2	+20	W	5	o/c	57	92	6	6	–	–	10	10	2500	1	3
	Mildenhall ...	1007·5	+26	WNW	4	o/c	57	85	8	5	–	–	10	10	2500	1	*
	Cranwell ...	1006·2	+18 +22	WNW	4	c	57	75	7	5	6	–	2·3	7·8	2500	1	*
3	Birmingham ...	1012·3	+18	NW	4	c	55	85	7	5	–	–	7·8	7·8	800	1	*
	Upper Heyford	1012·2	+20	NW'N	4	q	56	75	6	7	4	9	1	2·3	4000	1	*
4	Ross-on-Wye	1013·5	+8	W'N	4	b	55	75	8	1	–	1	Tr	Tr	4000	1	*
5	Bristol ...	1014·6	+18	W	4	b	55	85	8	1	4	1	Tr	1	2500	1	*
	Portland Bill ...	1014·6	+20	NW	4	bc	60	75	8	4	–	–	2·3	2·3	2500	2	4
	Plymouth ...	1017·2	+20	WNW	3	bc	60	85	7	7	7	5	2·3	2·3	2500	1	2
	The Lizard ...	1018·0	+12	WNW	2	bc	58	92	8	8	7	–	2·3	4·6	2500	0	2
	Scilly (St. Mary's)	1018·9	+14	W	3	c	58	92	8	2	6	3	2·3	7·8	2500	0	2
	Guernsey ..	1017·6	+22	WNW	3	bc	60	92	7	1	3	–	2·3	2·3	2500	0	3
6	Pembroke ...	1015·5	+10	NW	3	q	57	85	8	–	7	2	0	2·3	–	0	2
7	Holyhead ...	1014·7	+12	NW'W	4	bc	56	85	8	2	4	5	1	2·3	2500	1	3
	Chester(Sealand)	1012·6	+16	W'N	5	c	56	75	7	8	–	–	7·8	7·8	1500	1	*
8	Manchester ...	1011·8	+20	NW'W	5	c̥j̥p	56	85	7	8	3	–	4·6	7·8	1500	1	*
10	Spurn Head ...	1005·4	+20	NW'W	7	rr	57	92	6	5	2	–	5	10	1500	2	5
	Catterick ...	1003·1	+14	NW	4	c	53	75	8	5	4	4	1	7·8	2500	1	*
	Tynemouth ...	1007·7	+6	NNW	4	c	57	85	7	5	–	–	7·8	7·8	1500	1	2
11	St. Abbs Head	1009·2	+6	N	4	bc	54	85	8	4	3	2	2·3	4·6	4000	1	3
	Leuchars ...	1010·2	+6	WSW	2	bc	56	75	9	–	4	6	0	4·6	–	1	*
12	Renfrew (Abbots L.)	1012·0	+6	WNW	4	bc	57	75	9	1	–	5	Tr	2·3	4000	1	*
	Eskdalemuir ...	1010·6	+10	NW'W	5	bc	55	75	8	5	4	2	Tr	2·3	4000	0	*
	Point of Ayre...	1013·0	+8	NW	4	bc	56	92	8	2	–	–	4·6	4·6	1500	0	3
13A	Tiree	1013·1	+8	W	2	c	56	85	9	8	–	–	9+	9+	2500	0	1
13B	Stornoway ...	1012·1	+6	SSW	1	c	54	85	8	5	7	–	7·8	9+	1500	1	0
15	Dalwhinnie ...	«	+4	S	1	bc̥j̥p	52	85	8	4	–	–	2·3	2·3	4000	0	*
	Aberdeen ...	1010·3	+2	NNW	3	c	55	85	8	5	9	8	Tr	9	2500	0	1
	Wick ...	1010·3	0	W	1	c	54	97	7	5	1	–	7·8	9	1500	1	1
16	Lerwick ...	1011·6	0	N	1	c	54	97	8	8	2	–	7·8	10	1500	1	*
17	Blacksod Point	1014·7	0	S	2	c	56	92	8	9	–	4	7·8	7·8	1500	0	2
18	Malin Head ...	1013·9	+10	NW	2	c	56	85	7	7	3	–	4·6	7·8	2500	0	1
	Aldergrove ...	1014·7	+12	W	3	c	55	85	9	5	–	5+	7·8	9	4000	1	*
19	Birr Castle ...	1016·2	+8	S	1	c	53	97	8	5	7	–	4·6	9+	2500	1	*
20	Valentia Obsy. †	1016·7	+2	S$E	2	c	55	97	8	5	7	–	2·3	9+	1500	1	3
	Roches Point	1017·6	+6	N	1	c	54	92	8	–	–	6	0	9	–	1	1

PAST 24 HOURS.

District	Stations.	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 15th Hrs. (36)
1	London (Kew)	81	57	54	0·5	3	3·6
	Croydon ...	81	56	53	6	5	6·0
	S. Farnborough	78	56	53	0·6	5	1·5
	Boscombe Down	73	53	50	13	0·5	2·6
	Calshot (Sthmtn.)	69	55	58	6	6	0·8
	Lympne ...	75	55	54	2	13	5·6
	Manston ...	77	57	56	Tr	11	6·3
2	Shoeburyness...	75	56	56	19	11	7·3
	Felixstowe ...	78	57	55	–	9	9·6
	Gorleston ...	69	58	56	2	3	2·3
	Mildenhall ...	81	55	55	8	26	5·7
	Cranwell ...	79	55	53	26	20	4·2
3	Birmingham ...	67	54	50	27	4	0·9
	Upper Heyford	76	55	51	26	6	*
4	Ross-on-Wye	63	54	49	61	–	0·0
5	Bristol ...	65	52	49	84	0·2	0·0
	Portland Bill ...	67	57	*	78	–	*
	Plymouth ...	64	57	53	Tr	–	6·3
	The Lizard ...	64	55	*	–	–	*
	Scilly (St. Mary's)	66	55	*	–	–	14·4
	Guernsey ..	65	57	54	20	–	3·2
6	Pembroke ...	63	54	*	–	–	8·6
7	Holyhead ...	62	55	52	–	–	4·5
	Chester(Sealand)	60	56	51	15	–	0·0
8	Manchester ...	63	54	52	11	2	0·0
10	Spurn Head ...	60	55	*	–	17	5·5
	Catterick ...	67	57	55	1	6	0·0
	Tynemouth ...	62	55	53	Tr	Tr	1·3
11	St. Abbs Head	62	52	*	2	–	*
	Leuchars ...	68	53	47	–	–	6·7
12	Renfrew (Abbots L.)	67	45	46	–	–	4·8
	Eskdalemuir ...	60	51	46	–	–	3·4
	Point of Ayre...	64	53	*	–	–	6·2
13A	Tiree	61	52	48	0·3	–	12·1
13B	Stornoway ...	63	52	*	0·1	Tr	10·9
15	Dalwhinnie ...	63	37	30	–	–	2·8
	Aberdeen ...	62	55	53	–	Tr	9·3
	Wick ...	62	53	*	–	1	*
16	Lerwick ...	61	53	*	Tr	0·1	7·6
17	Blacksod Point	61	52	*	Tr	–	*
18	Malin Head ...	61	53	*	Tr	–	11·5
	Aldergrove ...	69	49	44	Tr	Tr	6·6
19	Birr Castle ...	68	46	36	–	–	12·9
20	Valentia Obsy. †	63	51	44	0·3	Tr	9·3
	Roches Point	68	51	*	–	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

Stations.	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	bccz,c	ctlrc	csrc,dc	81	57	54	0·5	3	3·2	*	*	8
Croydon	217	bc,dc	RTLRc	rrr,s,m,r	81	56	53	6	5	6·0	*	*	8
Greenwich (Royal Observatory)...	149	cy	ctlRc	crc,bc	80	56	53	6	3	5·1	97	55	8
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4·4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	81	57	54	4		4·5	64	59	*
Regents Pk. (Botanic Gardens)‡...	166	*	*	*	82	56	53	0·3	4	4·5	60	59	*
Camden Square	110	c	cctcp	*	83	56	54	Tr	5	*	*	56	*
Kensington	80	bccotl	cor	*	80	56	54	0·2	4	4·2	79	58	*
Hampstead Observatory	430	bcortl	or	bc	79	52	48	(0·2)	(6)	4·4	*	65	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	8–10h 15th	0·3	3–5h 16th

Kew Observatory. Max.	Time.	Min.	Time.
0·2	7h 15th	0·1	12h 15th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 15th July, 1937. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 16th July, 1937. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	1008·3	WSW	4	c	68	1014·5	WSW	5	rr	57	77	57	2	12
Brussels	1006·0	NSW	3	c	68	1008·5	SW'W	4	c̥c̥	57	86	57	5	3
Berlin	*	ESE	2	b	*	1010·5	SSE	3	bc	70	82	63	–	–
Zürich	1013·8	S	1	ic̥	68	1016·3	W'S	6	cj̥p	59	88	57	4	4
Rome	1015·8	WSW	2	b	79	1015·5	SE	3	c	72	*	*	8	–

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31 m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‖ See disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 17th July, 1937.
No. 27651

OBSERVATIONS at 13h. G.M.T. 16th July,

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base (feet) (14)
1	London (Kew)	1015.7	+14	WN	4	bc	68	45	8	1	-	1	2-3	2-3	2500
	Croydon ...	1015.6	+18	WNW	4	bc	70	45	8	1	4	3	4.6	4.6	4000
	S. Farnborough	1016.0	+16	NW'W	4	bc	70	45	9	1	-	5	4.6	4.6	4000
	Boscombe Down	1017.1	+18	WNW	5	bc	68	65	7	1	-	6	4.6	4.6	4000
	Calshot (Sthmtn.)	1017.0	+20	WNW	5	bc	70	55	8	7	-	5	4.6	4.6	4000
	Lympne ...	1014.5	+22	W'N	4	bc	65	55	8	1	4	3	1	2-3	2500
	Manston ...	1013.9	+26	WNW	5	c	68	55	8	7	7	1	4.6	7-8	2500
2	Shoeburyness ...	1014.0	+18	NW'W	4	bc	70	55	8	1	-	3	4.6	4.6	4000
	Felixstowe ...	1012.5	+26	WNW	5	c	68	55	8	5	1	-	7-8	7-8	2500
	Gorleston ...	1010.0	+24	W'N	6	c	62	75	6	8	-	-	10	10	2500
	Mildenhall ...	1013.3	+24	WNW	5	c	65	75	8	8	-	-	9+	9+	2500
	Cranwell ...	1013.1	+22	NW	4	c	68	55	7	8	-	-	7-8	7-8	4000
3	Birmingham ...	1016.3	+16	NW	3	bc	65	55	8	7	-	1	2-3	2-3	2500
4	Upper Heyford	1016.3	+16	NW'N	4	bc	66	55	9	1	-	5	2-3	2-3	4000
	Ross-on-Wye	1016.7	+12	WNW	4	bc	67	55	9	1	-	9	1	2-3	4000
5	Bristol ...	1017.8	+14	WNW	4	bc	66	65	8	1	-	2	2-3	4.6	4000
	Portland Bill ...	1017.6	+10	WNW	4	c	64	85	8	4	-	8	4.6	7-8	2500
	Plymouth ...	1019.6	+10	SW'W	3	c	64	65	8	7	3	6	4.6	9	4000
	The Lizard ...	1021.9	+16	W'S	2	c	64	85	8	8	7	-	4.6	7-8	2500
	Scilly (St.Mary's)	1021.0	+10	WSW	3	c	63	85	8	2	7	-	2-3	10	2500
	Guernsey ...	1020.4	+16	WNW	5	c	65	75	8	7	7	6	4.6	7-8	2500
6	Pembroke ...	1018.2	+10	W	1	c	61	85	8	5	7	-	2-3	7-8	2500
7	Holyhead ...	1017.4	+10	W'N	3	bc	62	65	9	1	4	1	1	2-3	4000
	Chester(Sealand)	1016.5	+18	WNW	5	bc	62	55	8	1	-	5	2-3	2-3	2500
8	Manchester ...	1016.4	+24	WNW	4	bc	63	65	8	7	-	-	4.6	4.6	2500
10	Spurn Head ...	1011.8	+24	NW	7	q	63	85	7	5	7	-	4.6	7-8	4000
	Catterick ...	1013.2	+18	WNW	3	bc	68	55	8	8	-	-	4.6	4.6	4000
	Tynemouth ...	1012.5	+18	N	4	bc	59	75	8	2	6	-	2-3	4.6	1500
11	St Abbs Head	1013.1	+12	N	1	bc	61	75	8	1	4	2	2-3	4.6	4000
12	Leuchars ...	1012.6	+14	E	3	bc	67	55	9	1	4	5	4.6	4.6	4000
	Renfrew (Abbotsl.)	1014.5	+26	WNW	3	c	65	55	9	7	-	5	4.6	7-8	4000
	Fakdalemuir ...	1013.9	+14	W	3	bc	64	65	8	1	-	-	4.6	4.6	4000
	Point of Ayre...	1016.4	+12	NW	3	bc	63	75	8	1	-	2	3-3	4.6	4000
13a	Tiree	1015.0	+12	SW'W	4	c	60	75	9	2	3	9	1	7-8	2500
13b	Stornoway ...	1013.2	+10	SSE	5	c	58	75	9	8	7	5	4.6	9	2500
15	Dalwhinnie ...	1014.4	+16	S	1	c	58	75	8	5	6	-	4.6	9	4000
	Aberdeen ...	1013.1	+14	NNW	3	bc	64	55	8	1	-	8	2-3	4.6	4000
	Wick ...	1012.5	+10	NW	3	c	62	65	8	8	7	1	4.6	7-8	1500
16	Lerwick ...	1012.3	+6	NE	2	c	57	85	8	8	7	-	7-8	9	800
17	Blackpool Point	1015.1	+4	S	3	c	61	85	8	3	4	-	4.6	7-8	1500
18	Malin Head ...	1015.7	+12	WNW	3	dp	60	85	7	8	4	-	7-8	7-8	2500
	Aldergrove ...	1016.1	+6	SW	3	c	64	65	9	7	3	2	7-8	9	2500
19	Birr Castle ...	1016.3	+6	S	1	c	64	65	8	4	3	3	4.6	9+	2500
20	Valentia Obsy. †	1016.9	-6	SSE	6	c/pr	59	85	8	5	2	-	2-3	10	1500
	Roches Point	1013.7	+10	SW	5	c	60	85	9	3	7	-	4.6	9	1500

OBSERVATIONS at 18h. G.M.T. 16th July,

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1017.7	+12	NW'W	3	bc	73	45	8	1	-	1	4.6	4.6	2500	1	*
1017.5	+10	NW'W	3	c	71	45	8	1	3	9	2-3	7-8	4000	0	*
1017.9	+12	WNW	3	b	71	45	9	1	-	1	1	1	4000	0	*
1018.8	+6	W'N	4	bc	68	55	8	1	7	6	1	2-3	4000	0	*
1018.8	+8	W	4	bc	70	55	8	1	4	1	Tr	2-3	4000	0	2
1018.1	+16	NW	3	b	69	45	8	1	-	1	1	1	4000	1	§1
1017.3	+24	NW	4	c	65	55	7	7	-	-	9+	9+	4000	1	*
1017.2	+16	NW'W	3	b	65	55	8	1	-	1	Tr	1	4000	1	*
1016.6	+22	WNW	3	c	65	65	8	5	3	-	4.6	7-8	2500	0	1
1016.7	+30	NW'W	5	bc	65	65	7	5	4	-	2-3	4.6	2500	1	3
1016.6	+18	NW'W	4	bc	67	65	8	4	-	1	2-3	2-3	4000	1	*
1016.2	+14	W'N	4	b	68	55	7	-	4	3	0	Tr	-	1	*
1018.1	+10	NNW	3	bc	67	55	8	7	-	-	2-3	2-3	2500	1	*
1018.0	+12	NW	3	bc	65	55	9	1	4	5	2-3	2-3	4000	0	*
1018.1	+6	NW	3	bc	68	55	9	7	-	9	2-3	2-3	4000	0	*
1019.8	+8	W'S	4	bc	62	75	8	1	-	8	1	2-3	4000	1	*
1019.8	+8	W	4	c	61	92	8	4	4	-	4.6	7-8	2500	1	3
1020.7	+6	W'S	3	c	63	75	8	4	7	8	1	9	4000	0	2
1021.2	0	SW'W	1	c	61	85	8	4	2	-	9	10	2500	0	1
1019.4	-8	SSW	3	c	62	85	8	5	7	-	2-3	10	2500	0	2
1021.2	+2	WNW	4	c	60	85	7	8	-	2	4.6	7-8	2500	0	3
1018.8	+2	SW'W	3	c	59	85	8	5	7	-	7-8	9+	2500	0	2
1018.3	+2	SSW	4	bc	59	75	9	1	4	4	Tr	4.6	2500	0	2
1017.7	+2	WNW	4	bc	63	55	8	4	4	-	1	2-3	4000	0	*
1018.9	+10	W'N	3	bc	62	65	8	1	5	-	1	4.6	4000	0	
1015.9	+20	N'W	4	bc	62	85	7	-	4	-	0	2-3	-	0	3
1015.5	+12	NW'N	3	bc	68	55	7	2	4	-	2-3	2-3	4000	0	*
1015.3	+10	SE	1	bc	60	75	7	2	-	-	4.6	4.6	2500	0	2
1015.5	+10	SE	2	c	59	85	8	8	6	1	4.6	7-8	2500	0	1
1014.1	+12	E	2	c	65	65	9	7	7	-	2-3	7-8	4000	0	*
1015.6	+6	NW	3	c	64	55	9	1	5	1	1	7-8	4000	9	*
1015.9	+10	WNW	2	bc	61	65	8	1	5	1	1	4.6	4000	0	*
1017.4	+2	S'W	2	bc	63	75	8	1	-	2	1	4.6	4000	0	1
1015.5	+4	WSW	2	c	57	85	9	2	7	-	Tr	9+	2500	0	2
1014.4	+6	SSW	4	c	58	75	8	8	7	-	4.6	9+	4000	1	2
"	+10	N	2	c	56	65	8	5	6	-	7-8	10	4000	0	*
1014.8	+16	SE	1	c	58	75	7	5	3	3	7-8	7-8	4000	0	2
1014.1	+8	NW	2	c	58	75	9	8	5	4	4.6	7-8	1500	1	1
1013.0	+6	N	2	c	57	85	8	8	7	-	4.6	7-8	800	1	*
1014.3	-8	E'S	3	c	60	85	8	9	-	-	9+	9+	1500	0	2
1016.4	+2	ENE	1	dp	58	97	7	8	6	-	4.6	7-8	2500	0	*
1015.8	-2	SW	2	c	66	55	9	7	3	9	1	7-8	4000	1	
1015.9	-4	S	1	c	64	75	8	5	2	-	7-8	10	2500	1	*
1012.3	-26	SE'S	5	r₀r₀	59	52	6	6	2	-	4.6	10	1500	1	3
1016.3	-14	S'E	4	ir₀	59	92	8	6	2	-	7-8	10	1500	1	2

PAST 24 HOURS.

Weather. 7h.—13h. 16th.... (37)	Weather. 13h.—18h. ...16th.. (38)	Weather. 18h. 16th. to 1h. 17th. (39)	Weather. 1h.—7h. ...17th.. (40)
bcby	bybcy	bbc	bcw
cvbcy	bcycy	cy, bbw	bwc
bcy	bcbyy	bbcw	bcwc
bbc	bc	bcc	cid₀
bbcy	bcyby	bybbw	bbbccid₀
or₀bcpr₀	bcby	bybcbw	bc
or₀cqy	cq₀cy	cybbw	bwbcbm
cir₀bcy	bccby	bybw	bwm₀
cir₀cy	cyc	cbcb	bwbcb
opr₀cq	cbcq	bcqbc	bcz₀
c	cbc	bcb	bbm₀w
cbcc	cybcby	byb	bm₀wbc
bc	bc	bc	bcc
bcyq	bybcy	bcybbc	bcwm₀m₀
bbc	bcvy	bcc	c
bbc	bc	bcc	cd₀m₀
bcc	c	c	odd
bcc ⊕	c ⊕	cir₀c	or₀r₀cid₀
bcc	cpr₀c	crfrf	rfdf
cbcc	c	iddfdf	dfid₀
bcc	cbcc	c	cer₀
bcqc	cbcc	cir₀qm₀	FFido
bbc ⊕	bc	bc	bccdod₀
cbc	bcby	by	bwbcmc
cbc	bc	bcm₀	bcwcff
rrcq	qcbc	cbc	m₀bc
cbcy	bcy	ybcw	bwb
cbc	bc	bc	bc
bc	bcc	c, bc	bc
bc	btc	cbc	bcbw
bvbcy	bcy	bcw	bcwcz
bbc	bcybc	bcb	bcffcw
bc	bc	bccw	bcc
c	c	cbcw	cbc
cpr₀	cpr₀	c	c
c	c	*	bc
cbcvy	bycv	c	cb
c	c	c	bc
cr₀r₀	c	c	cbc
bc	bcc	bc	bc
c	cr₀c	c	c
bccbc	cbccy	cybcc	c
c	c	cir₀c	c
cpr₀c	r₀r r₀r₀	r₀r₀d₀d₀	od₀oc
c	cir₀	drdrffe	offec

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus
R, heavy rain. r₀, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ⓓ lunar halo. / gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

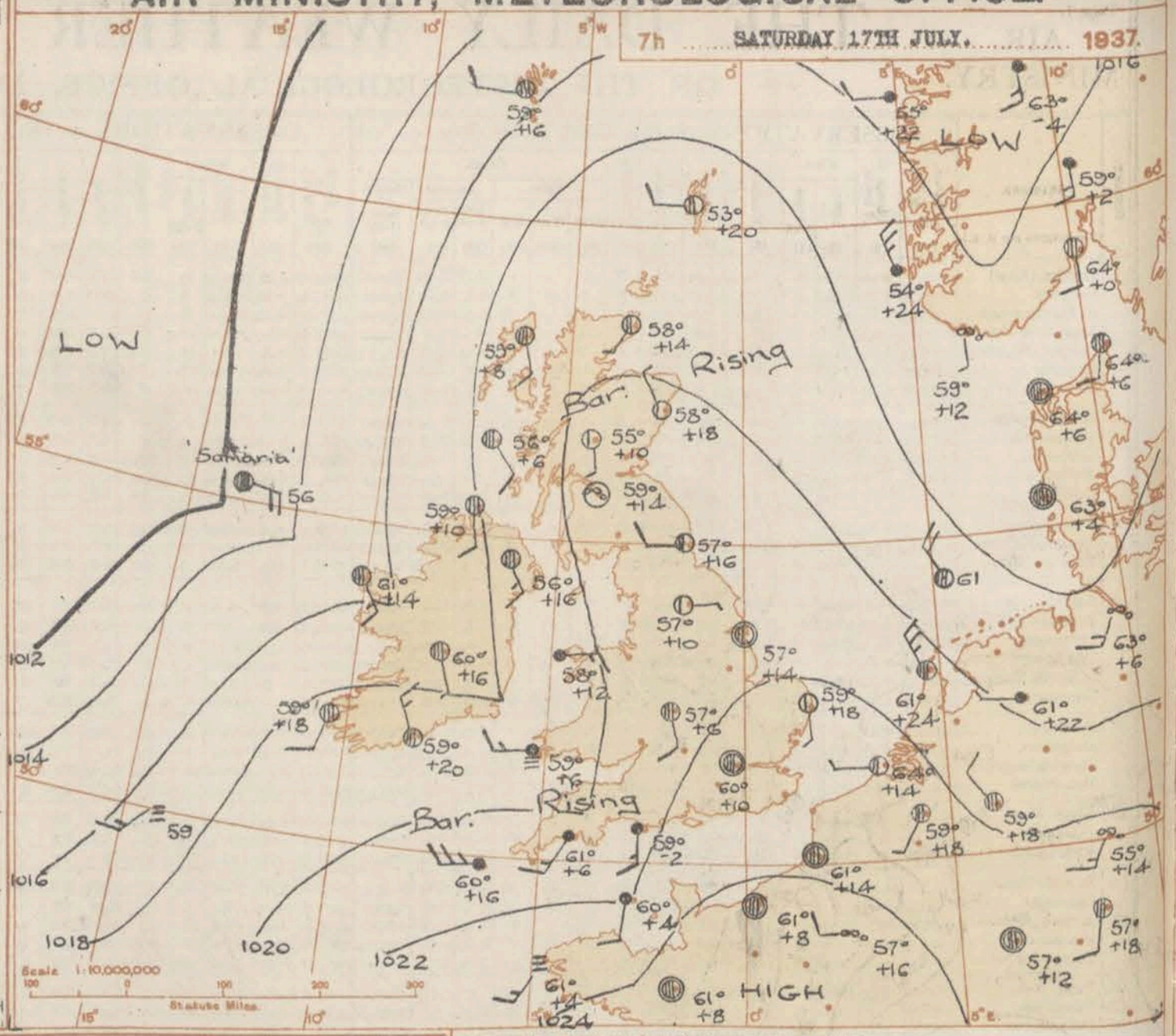
REPORTS from HEALTH RESORTS for 16th July, 1937.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F.) Min. 9h.15th. to 9h.16th.	Temperature (°F.) Max. 9h.—17h. 16th.	Rainfall (mm.) Night. 17h.15th. to 9h.16th.	Rainfall (mm.) Day. 9h.—17h. 16th.	Sunshine (Hrs.) Sunrise to 17h. 16th.	Sunshine (Hrs.) Sunrise to Sunset. 15th.
1	Tunbridge W.	bcb	b	55	73	6	-	7.7	4.0
	Bournemouth	b	b	55	73	5	-	11.7	0.3
	Ventnor ...	ob	b	55	68	13	-	11.8	0.7
	Southsea ...	b	b	55	73	11	-	11.0	0.3
	Bognor Regis	bcbc	bcbc	56	73	13	-	8.6	2.5
	Littlehampton	bc	bc	56	75	11	-	8.0	3.1
	Worthing ...	bcb	bbcb	57	75	10	-	8.0	2.5
	Brighton ...	bc	bc	57	75	14	-	8.1	4.7
	Eastbourne† ...	cbcb	b	57	73	11	-	7.5	3.2
	Hastings† ...	cbcb	bby	55	74	19	-	7.2	2.9
	Folkestone ...	ocbc	b	56	72	31	-	5.7	5.8
	Dover ...	yocbc	bcby	57	72	38	-	6.7	5.7
	Deal	rrooc	cbb	56	72	20	-	5.1	5.3
	Ramsgate ...	c	bc	57	72	15	-	4.9	6.0
	Margate ...	c	bc	58	70	11	-	4.0	6.3
2	Southend ...	cbc	bcb	56	72	10	-	7.7	7.0
	Maldon ...	cb	b	56	71	7	-	7.7	6.0
	Clacton-on-Sea	cbc	bccbc	55	70	41	-	3.2	8.5
	Dovercourt ...	bcc	bc	56	69	10	-	4.2	10.0
	Lowestoft ...	c	ccbcb	56	66	11	-	1.6	5.0
	Skegness ...	cbc	bcb	55	69	18	-	4.3	8.7
	Mablethorpe...	cobc	bc	55	68	17	-	5.0	6.7
	Cleethorpes ...	crbc	bc	55	67	43	0.3	5.7	4.8
3	Leamington S.	bc	bbc	56	70	6	-	11.8	1.0
4	Cheltenham†	bcb	b	51	72	4	-	12.0	0.0
5	Bath	bcb	b	53	69	1	-	12.2	1.3
	Weymouth ...	b	b	54	70	Trace	-	11.4	0.0
	Jersey ...	bc	bc	58	65	-	-	10.4	2.8
	Torquay ...	bvbcm	bvy	56	69	-	-	10.8	5.3
	Penzance ...	bcbbc	cpbcc	57	68	-	Trace	6.1	11.6
	St. Ives ...	b	o	56	67	-	-	6.2	11.8
	Bude... ...	bc	bc	59	65	-	-	6.9	7.3
	Ilfracombe ...	bcbbc	bbc	56	64	-	-	11.3	8.9
6	Aberystwyth	bc	bbc	56	64	-	-	10.8	0.0
7	Llandudno ...	b	bbc	55	65	-	-	10.8	0.0
	Colwyn Bay...	bcbcb	bcbcb	55	66	-	-	5.1	0.0
	Rhyl	bcb	bbcb	55	66	-	-	5.4	0.0
8	Wallasey ...	bcb	b	56	65	-	-	7.3	0.0
	Southport ...	bc	bc	57	64	0.1	-	5.9	0.0
	Blackpool ...	bc	bbcbc	56	62	-	-	10.2	0.0
	Morecambe ...	bcbbc	b	56	63	0.3	-	13.0	0.0
9	Ilkley... ...	bcb	b	54	65	19	-	10.6	1.5
	Harrogate ...	b	b	55	70	24	-	11.1	0.8
10	Berwick-on-T.	cbc	bbc	54	63	0.1	-	7.3	0.4
11	Dunbar ...	bc	bc	52	66	Trace	-	8.8	3.4
12	Troon... ...	bcbc	cbbbc	54	64	-	-	10.0	8.7
	Douglas ...	bc	bc	52	64	-	-	11.0	7.1

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... SATURDAY 17TH JULY, ... 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 17th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light south winds, veering southwest; cloudy, slight local drizzle; average temperature, close.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate southwest to west winds; cloudy, occasional drizzle; coast fog; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light southeast wind veering southwest; becoming cloudy, local drizzle; average temperature.
10 N.E. England 11 S.E. Scotland	Light variable winds; fine, becoming fair; rather warm.
12 S.W. Scotland & Isle of Man. 13 { A. W. Scotld. B.N.W. Scotland.	As 7 - 9.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	As 10 - 11.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light south to southwest winds; cloudy, occasional local drizzle; average temperature.

GENERAL INFERENCE.

A wedge of high pressure over eastern Britain is moving slowly east and a trough of low pressure over Ireland is moving slowly northeast. Weather will be fine at first in the North and Northeast but generally cloudy elsewhere with local drizzle and coast fog.

FURTHER OUTLOOK.

Mainly fair in the South.

Forecasts issued at 0930 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
Saturday 17th July,
1937.

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

Clarke's Projection Scale 1: 4X10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 17th July, 1937
No. 27651.

OBSERVATIONS at 1 hr. G.M.T. 17th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1021.2	+10	SW'W	1	b	57	85	7	-	-	-	0	0	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1021.7	+14	NNW	2	bc	58	65	7	-	-	6	0	4.6	-
	Manston ...	142	1020.5	+18	SW	1	b	55	85	8	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1019.7	+22	W'S	2	bc	55	92	7	-	3	-	0	2.3	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1021.8	+4	W	3	c	60	92	7	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1020.1	-16	SSW	5	rf	60	97	2	5	-	-	10	10	220
	Scilly (St. Mary's)	163	1018.7	-4	SW	4	df	61	97	2	-	-	-	10	10	4150
	Guernsey ..	175	1022.6	-4	W	1	c	60	92	9	8	-	-	10	10	2500
6	Pembroke ...	142	1018.2	-4	SSE	5	1r	57	97	6	8	-	-	9+	9+	1500
7	Holyhead ...	26	1018.6	0	S'W	3	bc	58	85	8	5	-	-	2.3	2.3	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1015.3	+8	W'S	5	bc	56	92	6	-	3	-	0	2.3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1018.4	+10	W	3	bc	55	85	7	2	-	-	2.3	2.3	1500
11	St. Abbs Head	280	1017.6	+8	WNW	4	bc	57	75	7	-	4	-	0	4.6	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1018.9	+6	-	0	c	56	97	8	5	-	-	7.8	7.8	4000
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1016.9	+8	S	3	c	54	92	8	5	7	-	4.6	7.8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1016.3	+12	WSW	1	c	53	92	8	5	7	-	7.8	9+	4500
16	Lerwick ...	156	1015.3	+8	WSW	3	c	53	97	8	5	7	-	7.8	9	800
17	Blacksod Point	18	1014.2	+6	SE	3	c	57	85	8	-	7	-	0	7.8	-
18	Malin Head ...	84	1016.2	0	S	1	c	57	92	7	8	-	-	9	9	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1013.2	+10	-	0	d	58	97	6	5	-	-	10	10	450
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 17th July

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1022.7	+12	SW	1	c	60	75	8	5	3	1	4.6	7.8	4000	1	*
1023.7	+10	-	0	c	60	75	8	-	3	4	0	3	-	0	*
1022.4	+6	SSE	1	c	60	85	7	5	7	2	7.8	9+	5700	0	*
1022.0	+6	SE'E	3	id	58	92	7	5	-	-	10	10	2500	1	*
1022.6	+10	SSW	2	c/d	62	92	7	3	7	-	2.3	9+	1500	0	1
1023.4	+8	-	0	bc	61	85	7	-	4	6	0	4.6	-	1	1
1022.7	+10	-	0	z	60	85	6	-	-	8	0	2.3	-	1	*
1022.7	+10	WSW	2	b	62	85	6	-	-	1	0	Tr	-	1	*
1022.6	+12	-	0	b	60	75	8	-	4	8	0	Tr	-	1	1
1022.5	+18	S'E	1	b	59	85	6	-	-	1	0	1	-	0	2
1021.3	+16	-	0	z	58	85	6	-	-	4	0	2.3	-	1	*
1021.9	+10	-	0	bc	59	75	6	-	5	2	0	4.6	-	1	*
1021.4	+6	SSE	2	c	57	85	6	-	7	-	0	10	-	1	*
1022.3	+4	WSW	1	z	57	97	6	5	7	-	7.8	9+	4000	0	*
1020.6	+9	SE'S	2	c	59	85	7	5	2	-	2.3	10	2500	0	*
1020.7	-2	S	2	d	59	92	6	5	1	-	7.8	10	800	1	*
1021.5	-2	S	3	d	59	92	6	5	-	-	10	10	1500	1	3
1020.0	+6	SW'W	3	id	61	97	6	6	-	-	9+	9+	450	1	2
1020.0	+12	W	4	df	59	97	2	5	-	-	10	10	800	1	2
1020.5	+16	W	5	id	60	97	6	5	-	-	10	10	800	1	3
1022.9	+4	S'W	2	R/r	60	97	4	5	-	-	10	10	1500	1	2
1017.6	+6	W	3	df	59	97	1	-	-	-	10	10	4150	1	3
1018.9	+12	E	3	d	58	85	8	5	2	-	2.3	10	1500	1	2
1020.1	+4	E'S	2	m/f	56	85	7	5	-	-	10	10	4000	0	*
1021.3	+14	ESE	1	m/f	57	85	4	5	7	-	4.6	10	2500	1	*
1021.4	+14	-	0	bc	57	92	6	-	4	1	0	2.3	-	0	1
1021.8	+10	E	1	b	57	75	8	-	3	1	0	1	-	0	*
1021.1	+16	W	2	bc	57	85	7	1	-	1	2.3	2.3	2500	0	1
1020.1	+8	S	1	bc	59	85	9	-	4	-	0	2.3	-	0	1
1020.3	+12	-	0	b	56	85	8	-	4	8	0	Tr	-	0	*
1020.1	+14	-	0	z	59	85	6	-	3	-	0	7.8	-	0	*
1021.3	+8	-	0	c	53	97	6	5	-	-	9	9	800	1	*
1019.8	+8	SE'S	2	c	58	97	8	5	-	-	9+	9+	2500	0	1
1018.0	+6	SE	2	c	56	85	9	5	4	-	9	9	2500	0	1
1019.2	+8	SSE	2	c	55	92	8	5	4	2	4.6	7.8	2500	1	1
1020.8	+10	S	1	b	55	75	8	-	-	-	0	0	-	0	*
1020.9	+18	NW	1	b	58	75	8	-	-	-	0	0	-	0	1
1019.5	+14	SW	1	bc	58	75	8	7	4	-	2.3	2.3	2500	1	1
1019.3	+20	W	2	bc	53	85	8	7	8	-	2.3	4.6	2500	0	*
1015.6	+14	SE	3	c	61	85	8	9	-	-	10	10	1500	0	3
1017.7	+10	SSE	2	c	59	92	7	4	-	-	9	9	2500	0	1
1018.9	+16	SE	3	c	56	85	8	5	7	-	2.3	9+	1500	1	*
1016.6	+16	SSE	1	c	60	97	7	5	-	-	10	10	2500	1	*
1018.9	+18	S'W	2	c	59	92	8	5	-	-	9+	9+	220	1	2
1018.1	+20	NW	3	c	59	97	8	3	-	-	7.8	7.8	1500	1	2

PAST 24 HOURS.

District	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 16th Hrs. (36)
1	73	54	46	-	-	12.6
	72	52	49	-	-	11.4
	72	50	43	-	-	12.9
	65	53	48	-	Tr	14.2
	71	54	50	-	Tr	13.4
	71	53	49	Tr	-	9.6
	71	51	44	0.3	-	6.1
2	72	52	47	0.1	-	10.3
	69	51	44	Tr	-	4.1
	65	51	50	Tr	-	4.2
	70	47	44	-	Tr	3.8
	70	50	46	-	-	3.8
3	68	54	40	-	-	13.8
	71	49	43	-	-	*
4	69	56	55	-	-	14.1
5	66	55	51	-	0.1	14.8
	65	58	*	-	Tr	*
	66	59	58	-	2	8.8
	65	58	*	Tr	2	*
	64	60	*	-	1	5.1
	66	59	59	-	0.5	11.0
6	62	56	*	-	4	7.8
7	64	56	56	-	0.3	13.4
	64	50	45	-	-	12.7
8	64	45	41	-	-	9.5
10	64	55	*	1	-	6.6
	70	44	41	-	-	10.7
	61	53	50	-	-	9.3
11	63	52	*	0.1	-	*
	68	46	38	-	-	9.0
12	66	51	48	-	-	11.0
	66	45	41	-	Tr	12.6
	66	51	*	-	-	13.6
13A	61	48	41	-	-	4.5
13B	62	53	*	0.6	-	4.2
15	63	38	33	*	-	3.8
	68	48	42	*	-	8.0
	63	49	*	*	-	*
16	57	51	*	1	Tr	0.4
17	62	54	*	-	-	*
18	62	56	*	Tr	-	6.0
	67	54	53	-	-	6.8
19	(68)	54	54	-	0.3	2.8
20	61	58	57	3	3	0.0
	61	57	*	0.2	5	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
		24 hrs. ended 9h.											
Kew	18	bcby	bybcy	bbcbw	73	54	46	-	-	12.6	*	*	8
Croydon	217	cvbcy	bcycy	cybwc	72	52	49	-	-	11.4	*	*	8
Greenwich (Royal Observatory)...	149	bcby	by	bc	74	52	39	-	-	11.3	43	63	8
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	11.4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	75	55	50	—		11.2	43	61	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	75	54	49	-	-	11.2	42	59	*
Camden Square	110	b	b	b	75	55	50	-	-	*	*	75	*
Kensington	80	bc	bcc	*	73	54	46	-	-	11.3	At 18h. 45	69	*
Hampstead Observatory	450	bc	bc	bc	72	52	45	-	-	11.6	*	70	*

FOREIGN OBSERVATIONS.

18h. G.M.T. 16th July

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1015.3	WNW	4	bc	68
Brussels	1017.8	SW	2	r/r	57
Utrecht	1012.5	W	4	c	75
Zürich					
Rome	1013.9	SE	4	c	75

7h. G.M.T. 17th July

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1024.5	W	2	z	57
1023.3	SW	1	c	55
1019.5	NW'N	3	b	66
1022.7	SE	1	c	55

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
2	0.3	whole	period

Kew Observatory. Max.	Time.	Min.	Time.
0.1	whole period		

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
70	52	6	-
59	55	18	10
86	63	-	-
*	48		0.1
*	*	-	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 18th July, 1937.
No. 27632.

OBSERVATIONS at 13h. G.M.T. 17th July

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1025·5	+6	SSW	3	c	70	65	8	5	-	-	9+	9+	2500
	Croydon ...	1028·6	+2	SW'S	3	c	69	65	8	7	-	-	9+	9+	5700
	S. Farnborough	1028·7	+2	S	3	c	65	75	8	5	-	-	10	10	2500
	Boscombe Down	1027·8	+2	S'E	4	id.	62	92	7	6	-	-	10	10	800
	Calshot (Sthmtn.)	1023·5	+2	SSE	4	id.	62	92	5	6	-	-	10	10	450
	Lympne ...	1024·5	+2	S'E	2	bc	68	75	8	1	3	1	1	4-6	4000
	Manston ...	1023·5	-2	S	3	bc	72	55	7	1	-	4	1	4-6	4000
2	Shoeburyness ...	1023·4	-6	SE'E	3	bc	71	68	6	2	7	1	1	4-6	4000
	Felixstowe ...	1023·9	0	SE	2	b	69	65	8	7	-	4	Tr	1	2500
	Gorleston ...	1023·6	+4	E'S	2	c	65	75	6	2	4	8	2-3	9	4000
	Mildenhall ...	1022·9	-2	SW'S	2	c	73	55	8	1	7	3	2-3	4-6	4000
	Cranwell ...	1023·0	+2	SSE	2	c	69	65	7	7	3	-	4-6	10	2500
3	Birmingham ...	1023·1	+6	S	2	c	63	75	8	5	-	-	10	10	2500
4	Upper Heyford	1023·3	+4	S	2	c	65	75	8	5	2	-	7-8	10	1500
	Ross-on-Wye	1021·8	+6	SSE	2	c	66	85	7	5	-	-	10	10	2500
5	Bristol ...	1022·1	+4	SSE	2	c/d	67	85	8	5	2	-	9	10	800
	Portland Bill ...	1022·0	+6	S	3	o	61	92	6	5	-	-	10	10	1500
	Plymouth ...	1022·0	+8	SW'W	3	c	64	85	7	5	7	-	9	9+	1500
	The Lizard ...	1022·9	+10	W'N	2	c	62	92	7	5	1	-	9	10	1500
	Scilly (St.Mary's)	1023·2	+12	W	4	cf	64	87	7	5	-	-	7-8	7-8	2150
	Guernsey ...	1023·0	0	NW	2	r$_o$r$_o$	64	97	4	5	-	-	10	10	1500
6	Pembroke ...	1021·1	+12	W'S	2	c	61	97	7	5	2	-	7-8	9+	1500
7	Holyhead ...	1021·0	+12	S'W	3	c	67	75	8	5	-	-	10	10	1500
	Chester (Sealand)	1021·5	+6	SE	3	c	68	75	7	5	-	-	9	9	4000
8	Manchester ...	1022·0	+2	SSE	3	2$_o$	65	68	6	7	3	6	2-3	7-8	2500
10	Spurn Head ...	1023·4	+4	E'S	2	c	64	85	6	4	7	-	4-6	7-8	4000
	Catterick ...	1022·3	+2	SSE	2	c	69	85	8	1	7	-	1	9+	4000
	Tynemouth ...	1022·6	+6	E	2	bc	62	75	7	2	6	1	2-3	4-6	1500
11	St. Abbs Head	1022·4	+8	SE	3	bc	64	75	9	1	4	-	2-3	4-6	4000
12	Leuchars ...	1022·0	+10	E	3	bc	67	55	8	8	-	-	2-3	2-3	4000
	Renfrew (Abbots I.)	1020·9	+6	S	2	c	69	55	8	2	3	-	7-8	9+	5700
	Eskdalemuir ...	1021·3	+6	S'E	3	c	66	55	8	7	-	1	7-8	7-8	2500
	Point of Ayre ...	1021·3	+2	S'E	2	c	65	85	8	7	-	-	9+	9+	4000
13A	Tiree	1019·2	+4	S'E	5	c	60	85	8	5	-	-	9+	9+	2500
13B	Stornoway ...	1020·4	+2	ESE	3	c	61	65	9	5	7	2	4-6	7-8	4000
15	Dalwhinnie ...	1021·0	+4	SW	2	c	65	55	8	5	-	-	10	10	4000
	Aberdeen ...	1022·6	+10	SSE	3	b	62	65	8	1	-	9	Tr	Tr	4000
	Wick ...	1022·0	+6	SSW	2	bc	60	85	9	7	4	1	2-3	2-3	2500
16	Lerwick ...	1021·4	+10	WSW	3	bc	58	75	8	7	-	-	2-3	2-3	2500
17	Blacksod Point	1017·4	+12	S	4	c	61	92	8	5	-	-	10	10	1500
18	Malin Head ...	1018·2	+2	SSE	4	c	66	85	7	9	-	-	7-8	7-8	2500
	Aldergrove ...	1020·3	+2	SE'S	4	c	64	75	7	5	7	2	4-6	7-8	1500
19	Birr Castle ...	1018·5	+4	S	1	bc	73	75	8	1	-	-	2-3	2-3	4000
20	Valentia Obsy. †	1020·4	+2	SSE	4	a	66	92	7	5	-	-	10	10	450
	Roches Point	1020·9	+6	S	3	c	62	97	8	5	3	-	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 17th July

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1023·9	-2	S	2	c	68	75	8	5	-	-	9	9	4000	0	*
	Croydon ...	1023·8	-2	SW'S	2	c	68	75	8	4	3	-	2-3	9	4000	0	*
	S. Farnborough	1023·9	+2	SSE	2	c	65	75	7	5	-	-	9+	9+	2500	0	*
	Boscombe Down	1023·3	+2	SE	3	c	62	92	7	6	-	-	9+	9+	800	1	*
	Calshot (Sthmtn.)	1023·6	0	ESE	3	c	63	92	7	5	-	-	10	10	800	0	§2
	Lympne ...	1024·9	+2	SSW	2	b	68	55	9	-	3	-	0	Tr	-	0	§1
	Manston ...	1023·9	+4	S	3	b	71	46	8	1	-	-	Tr	Tr	2500	0	*
2	Shoeburyness ...	1023·7	+4	WSW	2	b	70	55	8	-	4	-	0	Tr	-	1	*
	Felixstowe ...	1023·8	+2	ESE	2	b	67	75	9	-	3	-	0	Tr	-	0	1
	Gorleston ...	1024·3	+4	ESE	3	bc	64	85	6	-	7	-	0	2-3	-	0	2
	Mildenhall ...	1023·6	+4	SSW	3	c	70	75	7	6	7	-	2-3	10	4000	1	*
	Cranwell ...	1023·1	+2	S'W	2	c	69	75	8	6	3	-	9	10	2500	0	*
3	Birmingham ...	1023·1	0	S	1	c	64	85	8	5	-	-	10	10	2500	1	*
4	Upper Heyford	1023·6	-2	SSE	2	c	65	85	8	5	2	-	9	10	1500	0	*
	Ross-on-Wye	1022·5	+6	E'S	2	c	67	85	7	5	-	-	10	10	2500	1	*
5	Bristol ...	1023·0	+6	W	1	c	66	85	8	5	2	-	7-8	10	2500	0	*
	Portland Bill ...	1022·8	+4	SW	2	c	62	92	7	4	-	-	7-8	7-8	2500	1	3
	Plymouth ...	1022·6	+4	SW'W	3	c	65	85	8	5	-	-	7-8	7-8	2500	1	2
	The Lizard ...	1023·8	+4	W	3	cf	60	97	2	5	-	-	10	10	2150	0	2
	Scilly (St.Mary's)	1023·8	+4	W'S	3	c	64	92	8	5	3	-	4-6	7-8	2500	0	2
	Guernsey ...	1023·2	+2	NW	1	c	63	92	7	6	-	-	9	9	1500	1	2
6	Pembroke ...	1022·9	+6	WSW	2	c	61	92	7	5	2	-	4-6	9	1500	1	2
7	Holyhead ...	1021·5	+2	SSW	3	bc	67	85	8	5	-	-	4-6	4-6	4000	0	1
	Chester (Sealand)	1021·5	0	SE	3	c	71	65	7	5	-	-	7-8	7-8	4000	0	*
8	Manchester ...	1022·5	+6	S'W	3	c	69	75	7	7	3	-	2-3	7-8	4000	0	*
10	Spurn Head ...	1023·7	+4	SE	4	c	62	92	6	5	2	-	9	10	1500	0	2
	Catterick ...	1022·2	0	SSE	3	2$_o$	69	65	6	5	3	-	7-8	9+	4000	0	*
	Tynemouth ...	1022·9	0	SE	2	bc	60	85	7	7	-	-	4-6	4-6	2500	0	1
11	St. Abbs Head	1022·3	0	SE	4	bc	58	85	7	4	6	2	2-3	4-6	4000	0	2
12	Leuchars ...	1021·8	-6	SE	3	c	65	55	8	-	7	1	0	7-8	-	0	*
	Renfrew (Abbots I.)	1020·5	-6	S'E	2	c	70	55	8	5	-	-	9+	9+	5700	0	*
	Eskdalemuir ...	1021·2	-2	S'W	2	c	67	65	8	5	-	-	9	9	4000	1	*
	Point of Ayre ...	1021·3	0	-	0	c	63	85	8	5	-	-	7-8	7-8	4000	0	0
13A	Tiree	1018·8	0	SE'E	4	bc	62	65	8	5	3	-	1	4-6	4000	0	2
13B	Stornoway ...	1018·8	-4	SSE	3	c	59	85	9	5	7	-	2-3	10	2500	1	1
15	Dalwhinnie ...	1020·0	-2	SW	2	bc	65	85	8	5	-	-	4-6	4-6	4000	0	*
	Aberdeen ...	1022·2	-6	SSE	3	bc	60	75	8	1	4	9	Tr	2-3	1500	0	1
	Wick ...	1021·2	+14	SSE	4	bc	57	85	9	7	4	-	2-3	4-6	2500	0	6
16	Lerwick ...	1022·7	+6	S	3	bc	56	92	8	5	3	-	2-3	4-6	2500	0	
17	Blacksod Point	1016·7	-10	S	5	c	64	92	8	9	-	-	10	10	1500	0	3
18	Malin Head ...	1018·1	0	SSE	4	c	68	92	7	8	-	-	9	9	2500	0	1
	Aldergrove ...	1020·3	-2	S	2	c	67	75	8	5	-	-	9+	9+	1500	1	*
19	Birr Castle ...	1018·6	+2	S	1	c	76	75	8	5	1	-	7-8	9+	2500	1	*
20	Valentia Obsy. †	1019·6	+10	S	5	c	65	92	6	5	3	-	4-6	7-8	450	0	2
	Roches Point	1021·4	+4	SW	3	c	61	92	9	5	-	-	9	9	2500	1	2

PAST 24 HOURS.

Weather. 7h.–13h. 17th (37)	13h.–18h. 17th (38)	18h. 17th to 1h. 18th (39)	1h.–7h. 18th (40)
c	c	cbc	cm.
c	c	bcbwc	c
c	cid.c	cbcc d.	od.d.nm.
cddid.	cid.ddc	c	c
cid.m	cid.m.	cd.m.c	c
bc	bcbvy	b bco	c
bm.cby	b/bcyby	by bcc	c
bbcz.	bcz.bvy	bvy bw	bwc
bbyb	bv	b	b,c
becz.	cbcz.	bcz.c	c
bczcy	cyc	cbm.	bm.bm.
c	c	c	c
c	c	c	c
cm.c	cm.id.c	cbcm.	bccm.
id.c	c	c	co
dd.d.	cd.c	cd.cw	cw
idoz.	oc	c	cz.
cid.m.c	cbc	bcc	cm.
fffdc	cmif	FFe	FFe
cdd.cff	cffc	c	comc
orcif	orcoc	cbcbwf	bwco
oFFidc	c	cifo	FeFeD
dd.c	cbbc	bc,bwc	co
cz.	cbc	c	cm.
cbcccz.	cz.c	bcc	cm.
bcc	c	c	cw
bbccy	cycz.	cz.c	cm.
bc	bc	o	oc
bwbcy	bcbbc	bcy	cw
cbcz.c	cbccy	c	c
cbccy	cybcc	cm.	cm.cw
c	c	c	c
cbcc	cbc	cd	c
c	c	c	c
b	b	*	c
b	b	b	bbc
bc	bc	bc	bc
bc		c	c
c	c	lrcq	prc
cbcc	cbcc	cprc	c
cirm.c	cbcc	bcc	c
cbc	bcc	cprc	c
cp	oc	c	ciRirir.
cifsc	cifsc	offc	cold.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ka, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 . . Ground dry.
1 . . „ wet.
2 . . „ flooded.
3 . . „ frozen hard and dry.
4 . . „ partly covered with snow or hail.
5 . . „ covered with ice or glazed frost.
6 . . Ground covered with thawing snow.
7 . . „ covered with snow, less than 6 ins., deep but ground not frozen.
8 . . „ covered with snow, less than 6 ins., but ground frozen.
9 . . „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Slight disturbance reported from Dungeness.

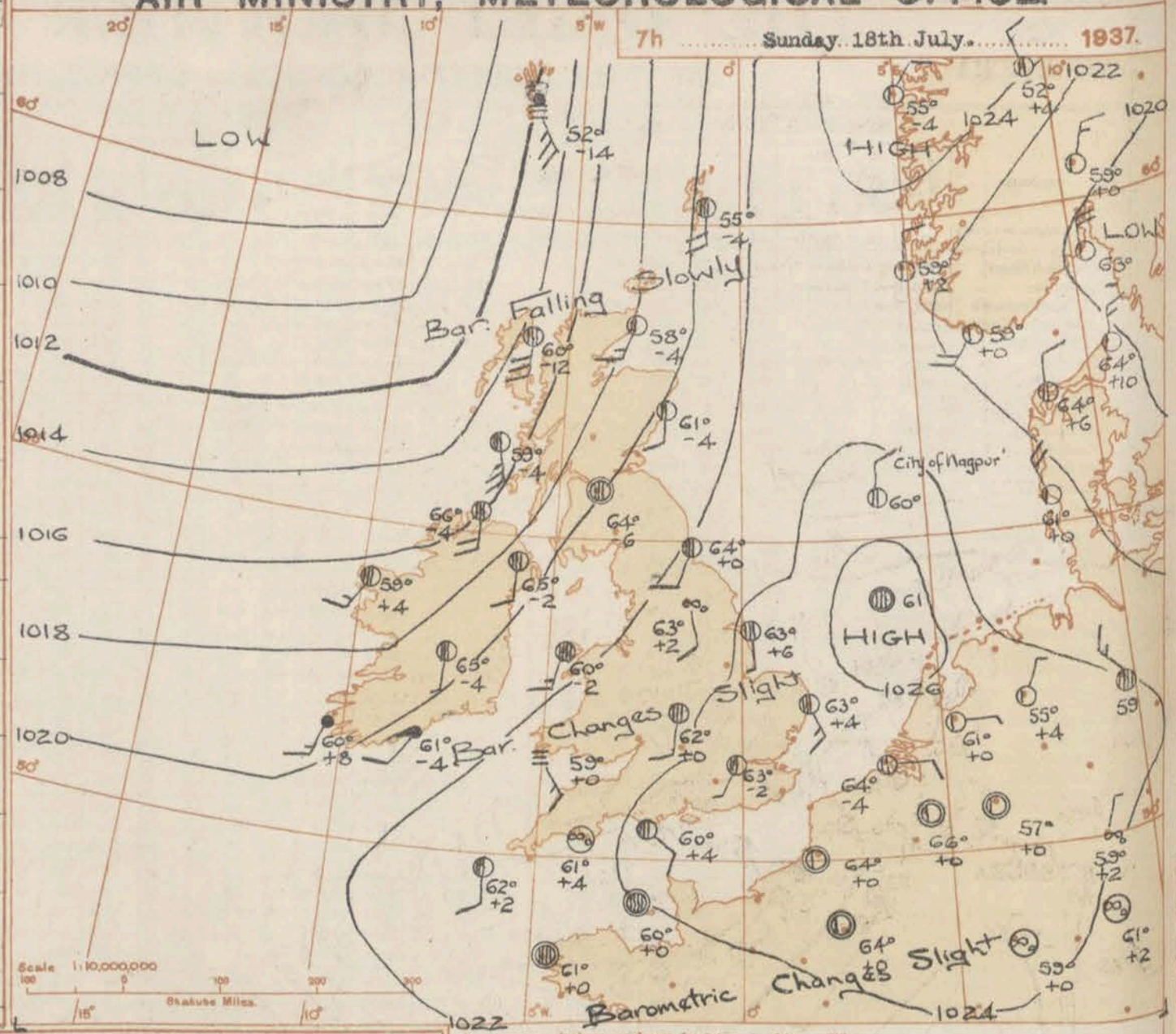
REPORTS from HEALTH RESORTS for 17th July 1937.

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 8h. 16th to 9h. 17th	Temperature (°F.) Max. 9h.—17h. 17th	Rainfall (mm.) Night. 17h. 16th to 9h. 17th	Rainfall (mm.) Day. 9h.—17h. 17th	Sunshine (Hrs.) Sunrise to 17h. 17th	Sunshine (Hrs.) Sunrise to Sunset. 16th
1	Tunbridge W.	bcc	c	49	72	-	-	1·9	9·6
	Bournemouth	r₀r₀	r₀co	58	66	Trace	2	0·4	13·7
	Ventnor ...	ocop	odm	57	67	-	0·5	0·0	13·7
	Southsea ...	odo	odod	57	65	Trace	Trace	0·0	13·3
	Bognor Regis	bcco	pid₀	56	65	-	Trace	0·1	10·9
	Littlehampton	c	ccd	53	66	-	Trace	0·2	10·1
	Worthing ...	bbc	c	54	66	-	-	0·4	10·5
	Brighton ...	bc	c	51	68	-	-	1·6	10·4
	Eastbourne† ...	bcc	cv	56	70	-	-	3·9	9·6
	Hastings† ...	bbcc	cbccbc	55	69	-	-	8·1	9·7
	Folkestone ...	b	b	55	69	-	-	11·5	7·9
	Dover ...	b	b	54	69	-	-	12·1	9·0
	Deal	b	b	52	73	-	-	12·0	6·6
	Ramsgate ...	b	b	56	71	-	-	12·3	5·4
	Margate ...	bcb	b	57	75	-	-	12·3	4·9
2	Southend ...	bzb	bbeb	56	76	-	-	9·6	10·1
	Maldon ...	b	bbcc	49	76	-	-	6·9	10·0
	Clacton-on-Sea	bcz	bc	53	68	-	-	11·6	4·3
	Dovercourt ...	bcv	bcv	56	71	-	-	12·0	5·2
	Lowestoft ...	b	b	49	69	-	-	11·7	3·0
	Skegness ...	b	bcc	49	71	-	-	7·9	6·8
	Mablethorpe...	bbc	bbcco	47	74	-	-	9·2	7·2
	Cleethorpes ...	bc	bcc	51	66	-	-	7·3	8·2
3	Leamington S.	co	o	51	67	-	-	0·3	14·0
4	Cheltenham†	op₀o	oco	55	68	Trace	Trace	0·0	14·8
5	Bath	cd₀c	c	58	70	0·3	Trace	0·5	13·0
	Weymouth ...	dc	mc	59	67	1	0·1	0·4	12·8
	Jersey ...	poc	cbcco	59	66	0·5	-	0·7	10·8
	Torquay ...	cbcc	bcc	59	73	0·3	-	2·5	11·2
	Penzance ...	dc	bcb	59	69	5	-	3·0	6·1
	St. Ives ...	d	d	54	64	Trace	3	0·6	6·6
	Bude... ...	o	om	59	65	1	-	0·8	6·9
	Ilfracombe ...	orodd	ocbcc	56	63	1	0·3	3·5	11·5
6	Aberystwyth	p₀c	c	54	68	0·3	-	0·3	12·3
7	Llandudno ...	cbc	cbc	54	72	-	-	1·7	13·4
	Colwyn Bay...	c	c	56	69	-	-	0·7	12·1
	Rhyl	cbcc	c	52	73	-	-	1·3	12·2
8	Wallasey ...	cbc	bc	54	74	-	-	7·3	10·3
	Southport ...	z₀bc	bcc	49	73	-	-	6·4	12·8
	Blackpool ...	c	c	49	73	-	-	3·0	12·5
	Morecambe ...	c₀zbcc	bczbc	52	72	-	-	3·3	15·4
9	Ilkley... ...	bcc	c	47	73	-	-	3·5	13·0
	Harrogate ...	bbc	c	47	70	-	-	4·3	13·1
10	Berwick-on-T.	bc	c	49	64	-	-	8·2	8·7
11	Dunbar ...	c	c	50	67	-	-	0·0	8·8
12	Troon... ...	bbc	cbbc	54	70	-	-	6·0	11·9
	Douglas ...	bc	c	53	65	-	-	3·8	12·6

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Sunday. 18th July. ..... 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts	Forecasts for the 24 hours commencing 12 noon, G.M.T. 18th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Winds between south and southeast, light; cloudy, becoming fine; warm today, very warm inland tomorrow; coast fog at times in west and southwest.
7 North Wales ... 8 N.W. England	Wind south, light to moderate; cloudy with local showers later today, brighter tomorrow; local coast fog; warm to very warm.
9 N. Midlands ... 10 N.E. England	As 1 - 6.
11 S.E. Scotland	Wind south to southeast, light; fair; rather warm.
12 S.W. Scotland & Isle of Man	Wind southerly, fresh, veering southwest to west decreasing; cloudy; occasional slight rain spreading from west today, then bright periods and scattered showers; average temperature.
13 {A. W. Scotld. B.N.W.Scotland.}	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	Wind south, moderate to fresh, veering southwest; occasional rain; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Wind southwest to west, light to moderate; cloudy, with light rain in places at first, considerable bright periods and scattered showers tomorrow; somewhat cooler.

GENERAL INFERENCE.

An anticyclone covering most of northwestern Europe will persist with a depression south of Iceland moving north-northeast. Weather will be fair and rather warm in most districts apart from some coast fog and some light rain in parts of Scotland today.

FURTHER OUTLOOK.

Fair and warm for a few days in the south-eastern and eastern half of the country.

Forecasts issued at 1130 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of

SUNDAY, 18TH JULY,

1937.

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

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Sunday, 18th July, 1937.
No. 27632.

OBSERVATIONS at 1 hr. G.M.T. 18th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	10249	-2	SE	2	c	60	92	7	5	-	-	9+	9+	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	10258	0	ESE	1	0	60	85	8	5	-	-	10	10	4000
	Manston ...	142	10251	+2	SSW	2	c	61	85	8	5	-	-	10	10	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	10250	0	SEE	3	c	62	92	7	5	-	-	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Hayford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	10237	-2	ESE	2	c	60	92	8	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	10243	0	-	0	F	60	97	1	5	-	-	10	10	220
	Scilly (St. Mary's)	163	10242	0	S	2	c	62	97	8	5	-	-	10	10	2500
	Guernsey ..	175	10244	-2	NNW	1	F3	58	97	4	-	-	-	0	0	-
6	Pembroke ...	142	10234	+2	SE	2	P+	58	97	2	5	-	-	10	10	1500
7	Holyhead ...	26	10222	0	S	4	c	59	92	8	5	1	-	4-6	9	2500
	Chester (Sealand)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	10242	+4	SE'S	1	c	60	97	7	5	2	-	4-6	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	10235	-2	S	2	0	58	85	6	5	-	-	10	10	1500
11	St. Abbs Head	280	10224	-4	S	2	c	59	85	7	5	2	-	7-8	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	10226	+4	-	0	c	59	97	8	5	2	-	2-3	7-8	4000
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	10177	-6	S	3	c	61	75	7	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	10193	-6	SSW	3	bc	56	92	8	5	1	-	2-3	4-6	1500
16	Lerwick ...	156	10222	-6	S	4	c	55	92	8	5	7	-	7-8	9+	1500
17	Blacksod Point	18	10161	0	S	4	Ir.	61	92	7	6	-	-	10	10	1500
18	Malin Head ...	84	10172	0	S	4	c	65	97	7	8	3	-	4-6	9	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	10202	0	SE	4	c	63	97	7	5	-	-	9+	9+	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 18th July

District	Stations	Baromtr. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1024·2	0	SSE	1	c	63	85	6	5	2	-	7-8	10	1500	0	*
	Croydon ...	1024·6	-2	SSW	1	c	63	92	7	5	-	-	9+	9+	2500	0	*
	S. Farnborough	1024·3	0	ESE	2	do.	61	97	6	5	-	-	10	10	1500	1	*
	Boscombe Down	1024·1	0	SEE	1	c	60	97	7	6	-	-	10	10	800	1	*
	Calshot (Sthmtn.)	1024·1	0	SE	1	c	62	92	7	5	7	-	7-8	10	1500	0	1
	Lympne ...	1024·7	-4	ESE	1	c	65	75	7	5	-	-	9+	9+	5700	0	$0
	Manston ...	1024·5	0	ENE	1	c	63	85	7	5	-	-	10	10	4000	0	*
2	Shoeburyness ...	1024·6	0	-	0	c	66	85	8	5	-	-	9+	9+	4000	0	*
	Felixstowe ...	1024·9	+2	SW	1	c	66	75	7	5	-	-	10	10	5700	0	0
	Gorleston ...	1024·8	+4	SE'S	3	c	63	85	7	5	-	-	7-8	7-8	2500	0	2
	Mildenhall ...	1024·3	+2	SSE	1	c	62	97	6	5	-	-	10	10	1500	1	*
	Cranwell ...	1023·9	0	SW	1	0	64	85	7	5	-	-	10	10	2500	1	*
3	Birmingham ...	1023·8	0	SSW	2	c	62	85	8	-	2	-	10	10	5700	1	*
	Upper Hayford	1024·3	0	S	1	c	61	92	6	5	7	-	9	10	800	0	*
4	Ross-on-Wye	1023·4	0	SW	2	0	63	92	6	5	-	-	10	10	1500	1	*
5	Bristol ...	1024·2	-4	-	0	c	62	92	7	7	7	-	2-3	10	1500	0	*
	Portland Bill ...	1024·0	+4	ESE	2	c	60	92	6	5	-	-	10	10	1500	1	2
	Plymouth ...	1023·9	+4	-	0	Z.	61	92	6	5	-	-	9+	9+	1500	1	0
	The Lizard ...	1023·7	0	-	0	F	61	97	1	5	-	-	10	10	220	1	2
	Scilly (St. Mary's)	1023·4	+2	SE	2	c	62	97	7	5	-	-	10	10	1500	0	1
	Guernsey ..	1024·3	0	-	0	0	60	97	6	5	-	-	10	10	1500	1	2
6	Pembroke ...	1023·3	0	SE'S	3	F	59	97	1	-	-	-	10	10	1150	1	2
7	Holyhead ...	1021·6	-2	SSW	3	0	60	97	8	5	-	-	10	10	450	0	2
	Chester (Sealand)	1022·3	-4	SE	3	Z.	64	85	6	5	-	-	10	10	2500	0	*
8	Manchester ...	1023·0	+2	SSE	1	Z.	65	85	6	5	-	-	9	9	2500	0	*
10	Spurn Head ...	1024·2	+6	S	1	c	63	97	6	5	1	-	5	10	1500	1	1
	Catterick ...	1022·6	+2	SE	2	Z.	63	92	6	5	-	-	9+	9+	2500	0	*
	Tynemouth ...	1022·2	0	SW	2	c	64	85	6	-	2	-	9+	9+	1500	0	1
11	St. Abbs Head	1021·4	-6	SW	4	c	65	85	6	1	7	1	2-3	7-8	4000	0	2
	Leuchars ...	1021·0	-2	-	0	c	61	92	7	5	-	-	10	10	2500	0	*
12	Renfrew (Abbotsl.)	1020·0	-6	-	0	c	64	85	7	5	3	-	4-6	9+	2500	0	*
	Eskdalemuir ...	1021·5	0	S	2	c	60	92	7	5	1	-	9+	9+	800	1	*
	Point of Ayre ...	1021·2	-2	SW	3	c	64	92	7	8	3	-	4-6	9+	800	0	1
13A	Tiree	1015·6	-4	SSE	5	c	59	85	7	5	-	-	9+	9+	2500	0	3
13B	Stornoway ...	1014·3	-12	S	6	c	60	85	8	6	7	-	7-8	10	4000	1	3
15	Dalwhinnie ...	1020·8	-8	SSE	4	c	59	85	7	4	2	-	Tr	10	2500	0	*
	Aberdeen ...	1020·3	-4	S	2	bc	61	85	7	1	4	-	Tr	2-3	2500	0	1
	Wick ...	1017·7	-4	SW	3	bc	58	85	7	5	5	1	2-3	4-6	1500	0	2
16	Lerwick ...	1021·3	-4	S	4	c	55	97	8	8	-	-	7-8	7-8	800	0	*
17	Blacksod Point	1016·6	+4	SW	3	c	59	85	8	4	3	-	4-6	7-8	800	0	3
18	Malin Head ...	1015·5	-6	S	4	c	66	97	7	8	2	-	4-6	9	1500	0	1
	Aldergrove ...	1018·8	-2	S	2	c	65	85	8	5	3	-	2-3	7-8	4000	1	*
19	Birr Castle ...	1018·7	-4	S	1	c	65	85	8	5	1	-	7-8	9+	2500	1	*
20	Valentia Obsy. †	1019·7	+8	SSW	3	Ir.	60	97	7	6	2	-	7-8	10	800	1	2
	Roches Point	1020·5	-4	SW	2	Id.	61	97	7	5	-	-	10	10	800	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 17th Hrs. (36)
1	London (Kew)	72	60	51	-	-	1·9
	Croydon ...	71	58	54	-	-	1·8
	S. Farnborough	67	60	57	Tr	Tr	0·1
	Boscombe Down	63	59	57	0·2	-	0·0
	Calshot (Sthmtn.)	63	61	60	Tr	0·1	0·0
	Lympne ...	71	52	54	-	-	14·4
	Manston ...	74	59	53	-	-	14·3
2	Shoeburyness ...	75	60	53	-	-	13·0
	Felixstowe ...	70	62	59	-	-	14·0
	Gorleston ...	67	61	60	-	-	14·1
	Mildenhall ...	74	52	52	-	Tr	5·5
	Cranwell ...	72	61	60	-	-	3·4
3	Birmingham ...	65	61	60	-	-	0·4
	Upper Hayford	66	58	50	Tr	-	*
4	Ross-on-Wye	68	61	59	Tr	-	0·1
5	Bristol ...	70	60	60	0·6	Tr	0·7
	Portland Bill ...	62	59	*	Tr	-	*
	Plymouth ...	67	59	58	Tr	-	4·5
	The Lizard ...	63	59	*	Tr	Tr	*
	Scilly (St. Mary's)	66	61	*	Tr	-	0·7
	Guernsey ..	65	56	55	3	-	0·3
6	Pembroke ...	64	57	*	Tr	Tr	0·4
7	Holyhead ...	68	58	56	Tr	-	5·8
	Chester (Sealand)	72	60	55	-	-	5·0
8	Manchester ...	72	63	62	-	-	3·6
10	Spurn Head ...	64	58	*	-	Tr	7·9
	Catterick ...	71	62	61	-	-	5·6
	Tynemouth ...	65	57	56	-	-	9·7
11	St. Abbs Head	66	57	60	-	-	0·2
	Leuchars ...	68	57	53	-	-	11·5
12	Renfrew (Abbotsl.)	72	61	60	-	-	4·3
	Eskdalemuir ...	70	59	59	-	-	5·1
	Point of Ayre ...	69	57	*	-	-	4·4
13A	Tiree	63	57	55	-	Tr	5·3
13B	Stornoway ...	63	57	*	-	-	6·1
15	Dalwhinnie ...	69	58	54	-	-	9·3
	Aberdeen ...	64	56	53	-	-	14·9
	Wick ...	61	55	*	-	-	*
16	Lerwick ...	59	53	*	-	-	12·1
17	Blacksod Point	64	56	*	-	1	*
18	Malin Head ...	70	64	*	-	Tr	4·7
	Aldergrove ...	69	60	56	Tr	-	2·5
19	Birr Castle ...	76	62	56	-	Tr	3·4
20	Valentia Obsy. †	67	58	57	-	6	0·4
	Roches Point	64	58	*	-	0·1	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (To-day.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	c	c	cbccm.	72	60	51	-	-	1·9	.	.	8
Croydon	217	c	c	bcbwc	71	58	54	-	-	1·8	.	.	8
Greenwich (Royal Observatory) ...	149	cy	cy	cbc	78	56	44	-	-	1·9	69	74	8
City (Bunhill Row)	—	.	.	.	.	.	.	.	.	1·4	.	.	.
Westminster (St. James' Park) ...	27	.	.	.	70	61	55	-		1·4	71	90	.
Regents Pk. (Botanic Gardens)† ...	168	.	.	.	75	54	49	-	-	2·7	42	59	.
Camden Square	110	b	b	.	75	55	50	-	-	.	.	75	.
Kensington	80	cbc	cbc	.	71	59	51	-	-	1·3	At 18h. 66	94	.
Hampstead Observatory	450	bc	bc	bc	69	59	47	-	-	2·7	.	83	.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 17th July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 18th July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1024·1	-	0	b	73	1024·3	-	0	b	64
Brussels	1023·7	WNW	1	c	73	1024·6	-	0	b	66
Berlin						1021·7	WNW	4	Z.	64
Zürich	1023·0	NE	1	c	63					
Rome	1013·0	SSE	2	c	72	1013·5	NE	2	c	68

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
<0·1	Whole period.		

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

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
77	54	-	-
75	55	-	-
*	63		Tr
70		-	
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ¶ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 19th July, 1937.
No. 27633.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 18th July														OBSERVATIONS at 18h. G.M.T. 18th July														PAST 24 HOURS.			
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°Temp.	°Humid.	Visibility 0–9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Height of Base (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°Temp.	°Humid.	Visibility 0–9	Cloud. Form. Low.	Cloud. Form. Med.	Cloud. Form. High.	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sea. 0–9	Weather. 7h.–13h. 18th	Weather. 13h.–18h. 18th	Weather. 18h. 18th to 1h. 12th	Weather. 1h.–7h. 19th
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)	1023.1	-10	SW'W	2	c	74	68	6	6	-	-	9+	9+	2500	1022.2	-4	WNW	2	c	74	65	8	6	-	-	9+	9+	2500	0	*	cm,c	c	cbcw	cwm$_o$
	Croydon ...	1023.2	-10	SE	3	c	76	58	6	7	3	-	9	9+	4000	1022.4	-2	SW'S	2	c	74	55	6	1	3	5	4-6	7-8	4000	0	*	cy	cy	cyb$_o$bw	bcwcm$_o$
	S. Farnborough	1023.3	-8	SSW	1	c	71	75	8	7	3	-	7-8	9+	4000	1022.6	-2	SW	1	c	70	75	8	5	-	-	9+	9+	4000	0	*	cm$_o$c	cbcc	cbccw	cwc
	Boscombe Down	1023.7	-6	WSW	1	c	67	75	8	5	-	-	10	10	1500	1022.8	-2	N'W	1	c	70	75	7	5	-	-	9+	9+	4000	0	*	c	c	c	c
	Calshot (Sthmtn.)	1023.7	-6	SSW	3	bc	72	75	8	7	4	-	4-6	4-6	2500	1022.9	-6	SSW	2	bc	70	75	8	1	3	-	Tr	2-3	4000	0	*	cbc	bcb	b	bcc
	Lympne ...	1024.1	-6	ESE	2	bc	73	55	7	5	4	-	4-6	4-6	5700	1023.4	-4	ESE	2	bc	70	55	7	5	4	-	2-3	2-3	5700	0	10	ccz$_o$bcy	bcby	bcybcc	c
	Manston ...	1023.7	-8	ESE	2	bc	72	58	6	5	-	-	2-3	2-3	5700	1023.0	-4	SE'E	3	c	67	75	6	5	-	-	9+	9+	4000 5700	0	*	cm$_o$bc$_o$y	bcz$_o$ycz$_o$	cz$_o$c	cm$_o$
2	Shoeburyness ...	1023.8	-12	E	3	c	69	68	8	5	-	-	9+	9+	4000	1022.6	-6	SE	4	c	68	75	8	5	-	-	9+	9+	4000	0	*	c	c	c	bcwcm$_o$
	Felixstowe ...	1024.2	-6	ESE	2	c	70	68	7	8	3	-	2-3	7-8	4000	1023.1	-6	SE'E	2	c	67	75	7	5	3	-	4-6	10	5700	0	1	c	cbcc	c	c
	Gorleston ...	1024.3	-6	SEE	4	bc	66	75	6	7	3	-	2-3	4-6	2500	1023.4	-4	SE'S	3	bc	67	75	7	-	3	-	0	4-6	-	0	2	cbc	bc	bcc	c
	Mildenhall ...	1023.4	-6	SW	2	c	71	75	7	8	7	-	4-6	10	2500	1022.2	-2	SSE	1	c	72	75	8	5	2	-	7-8	10	4000	0	*	cm$_o$c	c	c	cz$_o$
	Cranwell ...	1023.2	-4	SW	3	c	68	75	8	8	1	-	9+	10	2500	1021.0	-4	SW	2	bc	72	68	7	7	-	-	4-6	4-6	4000	1	*	c	c	bcc	cwcm$_o$
3	Birmingham ...	1022.8	-4	S	2	c	68	75	8	5	3	-	7-8	9+	2500	1022.3	-4	SW	2	c	70	75	8	5	-	-	9+	9+	4000	1	*	cd$_o$	c	c	cpr
	Upper Heyford	1023.6	-6	W'S	2	c	65	75	8	1	3	-	1	9+	1500	1022.9	-6	W	3	bc	70	65	7	1	4	-	Tr	2-3	2500	0	*	cm$_o$id$_o$c	cbc	bcb	bbccm$_o$
4	Ross-on-Wye	1022.3	-8	SW'W	3	c	72	65	7	7	-	-	9+	9+	4000	1021.2	-6	SW	2	bc	72	75	7	8	6	-	4-6	4-6	4000	1	*	oc	c	c	bccPp$_o$
5	Bristol ...	1023.5	-4	-	0	c	69	75	8	5	7	-	7-8	10	2500	1022.8	-6	W	1	c	76	85	9	1	3	-	Tr	9	4000	0	*	cbcc	c	cbcw	cbc
	Portland Bill ...	1023.6	-4	NW	2	c	62	82	7	4	-	-	10	10	2500	1022.7	-4	NW	2	c	62	82	7	4	-	-	7-8	7-8	2500	1	2	c	c	c	ccz$_o$
	Plymouth ...	1023.4	-6	SW	2	c	64	82	7	5	-	-	9+	9+	4000	1022.6	-6	S'W	2	c	64	82	8	8	3	9	4-6	7-8	2500	0	1	cm$_o$c	cbc	bcc	cbcwcm$_o$
	The Lizard ...	1023.6	0	-	0	c	69	85	7	8	6	-	7-8	9+	2500	1022.9	0	-	0	c	66	85	8	8	2	-	9	10	2500	0	1	Ffc	c	cl	cFFc
	Scilly (St.Mary's)	1023.5	0	WSW	2	c	68	82	7	5	-	-	9+	9+	1500	1023.0	-2	SSE	2	jf	67	82	6	5	-	-	10	10	2500	0	1	c	c	ifctlf	of d$_o$d$_o$
	Guernsey ...	1023.8	-6	-	0	fs	66	85	5	5	-	-	10	10	2500	1023.3	-4	-	0	fs	66	85	6	-	-	-	0	0	-	0	1	p	dbcb	bwF	Fc
6	Pembroke ...	1022.1	0	SW'S	3	d$_o$d$_o$	62	97	5	5	-	-	10	10	1500	1020.8	-6	S'E	2	c	61	97	7	5	6	1	4-6	7-8	2500	1	2	ofeifem$_o$	midofec	cfefefe$_o$	em$_o$iRqc
7	Holyhead ...	1021.2	-4	SSW	4	c	65	85	8	5	6	3	8-8	10 9	2500	1020.2	-8	SW'S	4	c	61	92	9	5	7	-	4-6	9+	2500	0	2	oc	cbcc	PR$_o$c	rrpr$_o$
	Chester(Sealand)	1021.4	-2	SWS	2	c	75	65	8	8	3	-	7-8	10	2500	1021.0	-4	WSW	3	bc	72	65	8	5	3	4	4-6	4-6	2500	0	*	cm$_o$z$_o$	cbc	becbc	cd$_o$d$_o$m$_o$
8	Manchester ...	1021.3	-4	S'W	3	c	73	65	7	7	-	-	10	10	2500	1021.5	-4	WSW	2	c	71	75	8	8	3	9	4-6	7-8	2500	0	*	cm$_o$c	c	c	cpr$_o$cm$_o$
10	Spurn Head ...	1023.1	-6	SE'E	2	c	64	92	6	5	2	-	4-6	10	1500	1021.6	-8	SE'E	3	c	64	92	7	5	2	-	4-6	9+	2500	0	2	c	c	c	c
	Catterick ...	1021.0	-8	S'E	3	z$_o$	72	63	6	5	-	-	10	10	2500	1020.6	-2	W'S	2	c	69	75	8	8	-	-	9+	9+	4000	0	*	cz$_o$	cz$_o$c	c	cwpr$_o$
	Tynemouth ...	1020.9	-8	SSE	2	c	65	75	7	7	-	-	7-8	7-8	2500	1019.6	-4	WSW	2	c	72	65	6	9	-	-	7-8	7-8	1500	0	1	cbcc	c	c	cp$_o$
11	St Abbs Head	1019.6	-2	SW	3	c	73	75	7	4	6	3	4-6	7-8	1500	1018.2	-10	SW	4	c	69	85	7	4	5	5	4-6	7-8	2500	0	2	cz$_o$	c	c	c
	Leuchars ...	1019.5	-6	SSW	2	c	70	75	7	5	7	-	7-8	9+	4000	1018.9	-4	SSW	4	c	69	75	8	5	7	-	7-8	9+	2500	0	*	cwc	c	cbcw	bcw
12	Renfrew (Abbotsl.)	1019.1	-4	SSE	3	c	72	65	8	8	7	-	7-8	9	2500	1018.4	+14	WSW	3	c/ro	61	92	6	5	-	-	10	10	800	1	*	cz$_o$c	ccr$_o$r$_o$m$_o$	cirm$_o$d	rm$_o$cbc
	Eskdalemuir ...	1020.6	-4	SW	3	d$_o$d$_o$	63	92	6	5	-	-	10	10	800	1018.7	-6	SW	3	r$_o$r$_o$	60	97	5	-	2	-	10	10	220	1	*	ccd$_o$	id$_o$cr$_o$	r$_o$cd$_o$	d$_o$fm$_o$
	Point of Ayre...	1020.7	-2	S'W	4	c	62	92	7	8	6	-	4-6	9+	450	1020.2	0	W'N	3	c	63	92	8	8	2	-	4-6	10	1500	0	2	c	cpr$_o$c	ci$_o$dbc	bc
13A	Tiree	1016.3	0	SW	4	id$_o$	60	85	7	5	2	-	4-6	9+	1500	1017.2	+4	SW	4	c	59	85	7	5	7	-	4-6	7-8	2500	0	3	cid$_o$	id$_o$c	cbc	cpR
13B	Stornoway ...	1015.1	+8	SSW	6	c	62	75	7	4	5	7	-	7-8	9+	2500	1015.5	0	S	6	c	57	92	7	8	2	-	4-6	10	1500	1	3	cpr$_o$r$_o$	cpr$_o$	cbc	cpr$_o$r$_o$bc
15	Dalwhinnie ...	1015.0	-8	S	4	c	66	75	7	4	6	-	7-8	10	2500	1016.8	0	SW	4	r	62	92	6	4	6	-	9	10	2500	1	*	c	cir	*	cir
	Aberdeen ...	1019.3	0	S	4	bc	70	65	7	5	4	5	2-3	4-6	2500	1017.4	-10	S	3	c	66	75	7	5	4	3	7-8	9+	5700	0	1	bccbc	bcz$_o$c	cbw	bwvbc
	Wick ...	1017.1	-6	SSW	4	bc	62	85	7	5	5	1	2-3	4-6	1500	1015.2	-10	S	3	c	63	75	7	5	7	-	4-6	7-8	1500	0	2	bc	bcc	errc	bc
16	Lerwick ...	1016.9	-18	SSE	5	c	57	92	6	8	7	-	4-6	7-8	1500	1018.5	-4	S	5	c	57	92	7	5	7	-	7-8	9	800	0	*	c	c	oc	c
17	Blacksod Point	1017.7	0	SW	4	c	62	75	8	9	-	-	7-8	7-8	800	1019.2	+6	SW	4	bc	61	75	8	2	4	-	2-3	2-3	1500	0	3	c	bc	bc	prc
18	Malin Head ...	1017.4	+2	SSW	2	r$_o$r$_o$	61	97	7	8	2	-	4-6	9	1500	1018.4	+4	W	3	c	60	92	7	8	-	-	7-8	7-8	2500	0	1	cr$_o$r$_o$	cir$_o$c	cbc	cbd
	Aldergrove ...	1018.8	0	SW	3	ir	62	92	6	6	-	-	10	10	450	1019.5	-2	S'W	2	c	61	85	8	5	7	-	9	9+	4000	1	*	c$_o$r$_o$,r$_m$c	cr$_m$r$_m$c	cbw	bwcm$_o$
19	Birr Castle ...	1019.7	+6	S	1	rr	60	97	7	5	-	-	10	10	2500	1019.7	+2	SSW	1	c	65	75	8	4	-	-	7-8	7-8	2500	1	*	corr	orrc	cbc	bc
20	Valentia Obsy. †	1021.2	+4	SW'W	3	c	63	75	8	8	7	-	2-3	9	2500	1022.0	+2	W	3	bc	63	85	8	7	4	-	4-6	4-6	2500	1	2	ir$_o$re KYC	cbc	bcc	cbccpr$_o$
	Roches Point	1022.0	+8	SW	3	dr	66	97	7	5	-	-	9+	9+	800	1021.7	-2	WSW	3	c	60	92	9	8	7	-	4-6	9	1500	1	2	d$_o$f$_o$f$_o$dr$_o$dr$_o$	dr$_o$dr$_o$c	id$_o$bcw	bcw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, fine squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ⊅ lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

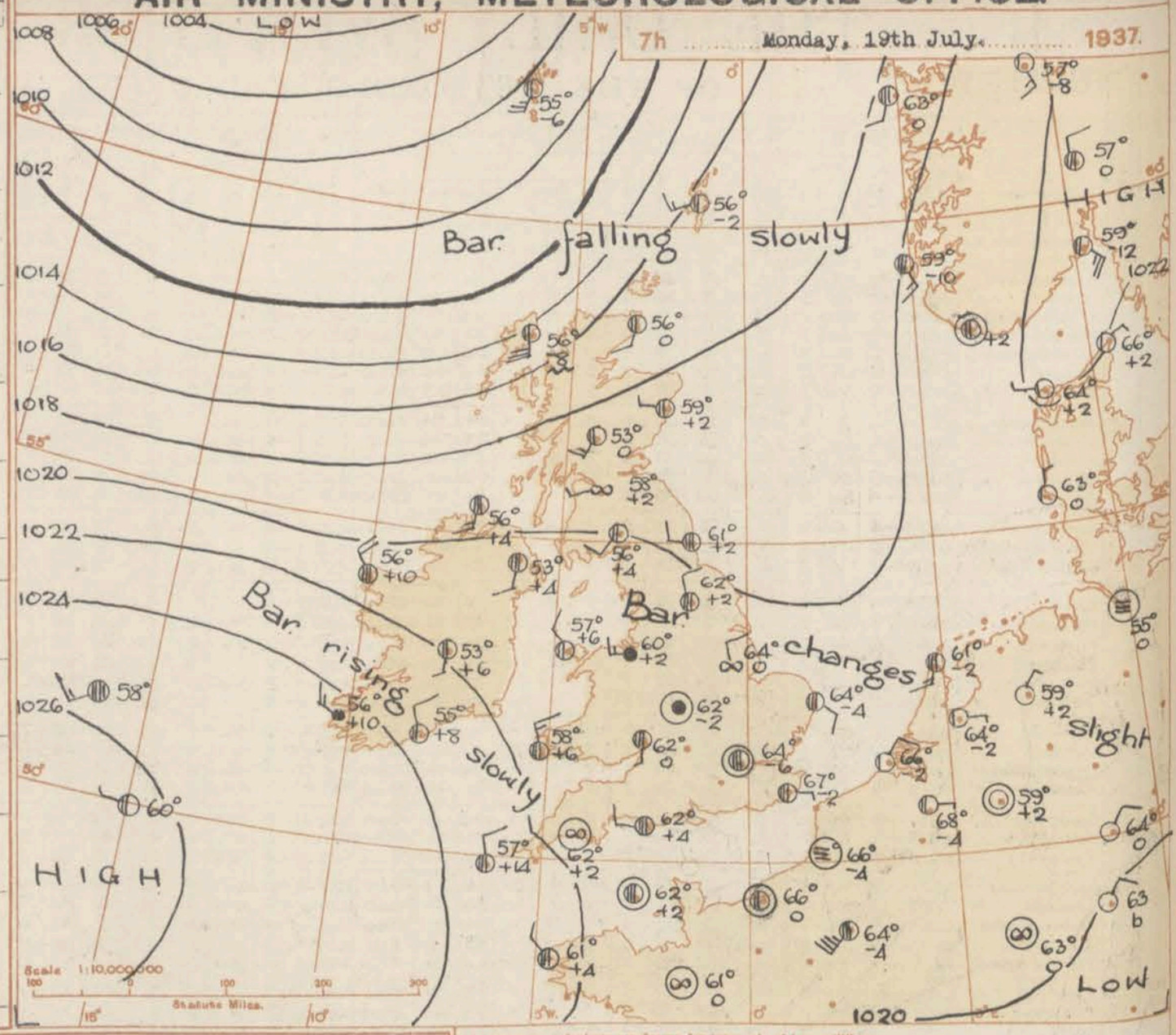
REPORTS from HEALTH RESORTS for 18th July, 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 17th to 9h. 18th	Temperature. (°F.) Max. 9h.—17h. 18th.	Rainfall. (mm.) Night. 17h. 17th to 9h. 18th	Rainfall. (mm.) Day. 9h.—17h. 18th.	Sunshine. (Hrs.) Sunrise to 17h. 18th.	Sunshine. (Hrs.) Sunrise to Sunset. 17th.
1	Tunbridge W.	c	cbc	56	79	–	–	3·4	3·6
	Bournemouth	oc	cbcb	59	72	–	–	1·2	0·4
	Ventnor ...	ornc	bmb	60	68	–	–	7·4	0·2
	Southsea ...	cb	b	61	74	Trace	–	7·2	0·0
	Bognor Regis	bc	bc	60	70	–	–	7·5	0·1
	Littlehampton	cbc	bc	60	70	0·3	–	6·9	0·2
	Worthing ...	cbcb	bbccb	60	71	Trace	–	7·1	0·5
	Brighton ...	b	b	60	72	–	–	8·5	1·8
	Eastbourne† ...	b	b	62	73	–	–	8·3	4·4
	Hastings† ...	cbcb	b	60	71	–	–	7·1	3·1
	Folkestone ...	ornc	bcb	58	72	–	–	4·7	14·1
	Dover ...	cbc	bcbbc	61	72	–	–	7·0	14·3
	Deal	ob	bbc	62	71	–	–	4·3	14·6
	Ramsgate ...	c	bcc	62	70	–	–	3·1	14·5
	Margate ...	c	cbcc	62	72	–	–	2·7	14·3
2	Southend ...	c	c	62	73	–	–	0·2	12·0
	Maldon ...	c	bcc	57	76	–	–	2·0	3·3
	Clacton-on-Sea	c	cbcc	61	69	–	–	0·8	14·1
	Dovercourt ...	bcc	bc	56	72	–	–	2·0	13·2
	Lowestoft ...	cbcb	bbccb	61	69	–	–	6·5	13·3
	Skegness ...	bc	c	60	70	–	–	3·4	7·3
	Mablethorpe ...	bccy	bcc	57	71	–	–	1·8	3·2
	Cleethorpes ...	bc	cbc	59	72	–	–	0·2	7·3
3	Leamington S.	oc	cbc	62	73	–	–	1·3	0·3
4	Cheltenham†	o	oc	60	73	–	–	0·2	0·0
5	Bath	c	c	61	72	Trace	–	0·0	0·5
	Weymouth ...	c	cbc	57	67	–	–	1·6	0·4
	Jersey ...	oc	ocb	55	71	–	–	3·0	0·7
	Torquay ...	wom	c	58	67	–	–	0·2	2·5
	Penzance ...	fc	c	60	67	Trace	–	0·2	3·6
	St. Ives ...	d	c	56	72	Trace	–	0·5	0·7
	Bude... ...	c	cbcc	56	70	–	–	0·5	0·8
	Ilfracombe ...	cbcco	cbcc	58	69	–	–	2·0	3·5
6	Aberystwyth	c	cdd	60	69	–	0·5	0·1	0·3
7	Llandudno ...	c	ccc	58	73	–	Trace	0·7	1·7
	Colwyn Bay...	c	cbc	61	74	–	–	1·0	0·7
	Rhyl	c	cbcc	59	73	–	–	1·8	1·3
8	Wallasey ...	c	cbbc	60	74	–	Trace	0·7	7·4
	Southport ...	c	cbcbc	63	73	–	–	1·4	6·7
	Blackpool ...	c	c	(5) 59	73	–	–	2·7	4·2
	Morecambe ...	zbbc	cbc	64	72	–	–	4·7	4·4
9	Ilkley... ...	c	c	62	72	–	–	0·1	3·5
	Harrogate ...	cbc	c	62	71	–	–	0·4	4·3
10	Berwick-on-T.	bcc	oc	55	74	–	–	4·8	10·3
11	Dunbar ...	bc	bc	60	76	–	–	4·6	1·1
12	Troon... ...	bccbc	bcoro	60	68	–	1	1·7	6·0
	Douglas ...	cbic	ofec	57	63	Trace	–	0·0	5·6

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Monday, 19th July. ..... 1937.



Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
Sea Disturbance. ~~ Rough ≈≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th July, 1937.
1 S.E. England 2 E. England	Light variable winds; mainly cloudy with occasional local thundery rain later; local coast fog; rather warm and close.
3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Light variable winds; mainly cloudy, dull at times with occasional drizzle and local thundery rain, becoming fairer later; average temperature but rather close.
6 South Wales ... 7 North Wales ... 8 N.W. England	Light variable or northwest winds; cloudy at times; rather warm inland.
9 N. Midlands ... 10 N.E. England	As 3 - 5.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate westerly or northwesterly winds; cloudy at times; occasional showers chiefly near west coasts; rather warm inland.
13 { A. W. Scotld. B.N.W.Scotland.	Fresh southwesterly or westerly winds; cloudy at times, occasional showers, chiefly near west coasts; average temperature.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Moderate or fresh south or southwest winds; cloudy at times, occasional scattered showers; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 11 - 12.

GENERAL INFERENCE.

Pressure is low near Iceland and high southwest of Ireland. There will be showers on the western coasts of Ireland and Scotland and some drizzle and local thundery rain over the Midlands, Northeast and Southwest England which will later spread to Southeast England. It will be rather warm and close in the Southeast.

FURTHER OUTLOOK.

Mainly fair in the South, but chance of occasional rain in the Northwest. Less close than of late in the South.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of

MONDAY, 19TH JULY,

1937.

Clarke's Projection Scale 1: 4x10⁷ along meridian at 55°N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 19th July, 1937.

No. 27633.

OBSERVATIONS at 1 hr. G.M.T. 19th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet.) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1022·2	-2	W	1	bc	60	92	7	-	5	-	0	4·6	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Stn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1022·8	-4	NW'N	1	c	61	75	7	5	-	-	9+	9+	4000
	Manston ...	142	1021·9	-4	S'W	1	c	64	75	8	5	-	-	9+	9+	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1022·4	-4	SSE	2	c	63	85	7	5	-	-	9+	9+	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	635	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1021·7	-6	NW	2	c	62	92	7	5	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1022·7	-4	WNW	1	c	63	82	8	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	1022·5	-6	SW'W	2	c	63	97	2	-	-	-	10	10	<150
	Guernsey ..	175	1022·9	-6	-	0	c	59	97	1	-	-	-	0	0	-
6	Pembroke ...	142	1021·1	-2	S'E	2	c	60	97	1	-	-	-	10	10	<150
7	Holyhead ...	26	1021·2	-2	SW	1	c	58	97	7	5	2	-	4·6	10	450
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1020·9	-6	S'E	2	c	62	97	7	5	1	-	7·8	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1020·7	0	W	2	c	62	85	7	2	-	-	7·8	7·8	1500
11	St. Abbs Head	280	1019·9	0	N	1	c	59	92	8	3	7	9	2·3	7·8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1020·7	0	W	2	bc	57	85	8	-	4	-	0	4·6	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1018	-2	S	6	bc	55	85	7	8	7	-	4·6	4·6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1016·9	+2	SSE	2	c	54	97	8	5	2	-	4·6	7·8	1500
16	Lerwick ...	156	1018·1	+2	SW	3	c	55	97	8	8	7	-	7·8	9	800
17	Blacksod Point	18	1019·5	0	W	4	bc	56	85	8	4	-	-	4·6	4·6	2500
18	Malin Head ...	84	1019·1	+2	S'W	2	bc	55	97	7	8	-	-	4·6	4·6	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1023·0	0	WSW	3	bc	57	92	8	2	-	-	2·3	2·3	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 19th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility. 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1020·7	-4	WNW	1	c	67	85	5	8	-	-	9+	9+	2500	0	*
	Croydon ...	1020·9	-6	-	0	c	64	92	6	5	-	-	10	10	4000	0	*
	S. Farnborough	1020·9	0	W	1	c	66	85	7	5	-	-	9+	9+	4000	0	*
	Boscombe Down	1021·2	0	WNW	1	c	64	92	7	5	7	-	9	9+	4000	1	*
	Calshot (Stn.)	1021·3	+2	-	0	Zo	64	92	6	5	7	-	7·8	10	4000	0	1
	Lympne ...	1021·3	-2	E	1	c	67	75	6	5	-	-	9+	9+	5700	0	§0
	Manston ...	1021·0	-2	-	0	Zo	66	75	6	-	3	-	0	9+	-	0	*
2	Shoeburyness ...	1020·8	-2	WSW	1	c	67	85	5	5	-	-	9+	9+	4000	0	*
	Felixstowe ...	1021·3	-2	SE	1	c	67	85	7	5	-	-	9+	9+	5700	0	1
	Gorleston ...	1021·0	-4	SE	2	c	64	85	6	5	-	-	10	10	2500	0	2
	Mildenhall ...	1020·4	0	W	1	Zo	67	92	6	5	3	-	4·6	9	7200	0	*
	Cranwell ...	1020·6	0	N'W	2	Zo	64	92	6	5	-	-	9+	9+	5700	1	*
3	Birmingham ...	1020·8	-2	-	0	pr.	62	85	4	-	2	-	0	9+	-	1	*
	Upper Heyford	1021·3	-2	NW	1	Zo	62	97	6	5	7	-	7·8	9	4000	0	*
4	Ross-on-Wye	1020·4	0	S	1	c/pr	62	97	5	6	9	1	Tr	9	800	1	*
5	Bristol ...	1021·3	0	W'N	1	Zo	64	92	6	5	3	-	7·8	9+	2500	0	*
	Portland Bill ...	1021·0	+4	W	2	c	62	82	6	4	4	-	4·6	10	2500	0	2
	Plymouth ...	1021·5	+2	-	0	Zq	62	97	5	5	-	-	10	10	5700	0	0
	The Lizard ...	1022·1	+2	NW'N	3	c/f	61	97	6	5	2	-	9	10	1500	0	1
	Scilly (St. Mary's)	1023·2	+14	NNW	3	c	57	97	7	5	-	-	10	10	1500	1	2
	Guernsey ..	1022·0	+2	-	0	c	62	97	9	-	3	-	0	9+	-	1	0
6	Pembroke ...	1021·2	+6	NNW	3	9	58	92	7	5	7	-	7·8	9+	1500	1	2
7	Holyhead ...	1021·4	+6	NW	2	bc	57	85	8	6	3	-	4·6	4·6	4000	1	1
	Chester (Sealand)	1020·7	+2	W	3	d.d.	60	97	5	6	2	-	9	10	450	0	*
8	Manchester ...	1020·6	+4	-	0	Zo	61	92	5	5	-	-	10	10	1500	0	*
10	Spurn Head ...	1019·9	0	WNW	2	c	64	92	6	5	2	-	7·8	10	2500	0	1
	Catterick ...	1020·0	+2	NNW	2	c	62	85	8	9	7	-	4·6	9+	1500	1	*
	Tynemouth ...	1020·1	+2	W	2	c/pr	61	85	7	5	-	-	9	9	1500	0	1
11	St. Abbs Head	1019·0	+4	-	0	bc	60	92	8	2	3	2	4·6	4·6	4000	0	0
	Leuchars ...	1019·2	+4	SW	2	bc	56	92	7	7	-	2	2·3	4·6	2500	0	*
12	Renfrew (Abbotsl.)	1019·3	+2	W'S	1	Zo	58	97	6	8	-	-	4·6	4·6	2500	1	*
	Eskdalemuir ...	1019·6	+4	SW'S	2	bc	56	86	6	5	-	1	2·3	2·3	800	1	*
	Point of Ayre ...	1020·6	0	WNW	3	bc	58	85	8	5	4	-	Tr	2·3	1500	0	1
13A	Tiree	1016·4	+4	SW'W	5	c/p	57	85	8	8	7	-	4·6	7·8	1500	1	3
13B	Stornoway ...	1013·5	-8	S	6	bc	56	85	7	8	5	-	4·6	4·6	1500	1	4
15	Dalwhinnie ...			SW	3	bc	53	85	8	4	6	-	4·6	4·6	2500	1	*
	Aberdeen ...	1018·4	+2	W	1	bc	59	75	9	-	3	2	0	4·6	-	0	1
	Wick ...	1016·7	0	SSW	2	bc	56	85	8	7	1	-	2·3	2·3	1500	1	1
16	Lerwick ...	1016·7	-2	WSW	3	c	56	85	8	5	7	-	7·8	9	1500	0	*
17	Blacksod Point	1020·4	+10	NW	4	c	56	85	8	9	-	-	10	10	1500	1	3
18	Malin Head ...	1018·7	+4	SSW	3	c	56	92	7	8	-	-	9	9	2500	0	1
	Aldergrove ...	1020·7	+4	SSW	2	c	53	92	6	5	-	-	9+	9+	450	1	*
19	Birr Castle ...	1021·6	+6	SSW	1	bc	53	97	8	4	-	-	4·6	4·6	4000	1	*
20	Valentia Obsy.†	1024·1	+10	WNW	3	pr.	56	85	8	5	-	-	9	9	1500	1	3
	Roches Point	1023·3	+8	NNW	2	bc	55	92	8	5	-	-	2·3	2·3	2500	1	1

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. aftn. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 18h Hrs. (36)
1	London (Kew)	78	60	54	-	-	2·0
	Croydon ...	77	59	55	-	-	2·3
	S. Farnborough	75	62	54	Tr	-	0·9
	Boscombe Down	72	61	55	-	-	0·5
	Calshot (Stn.)	74	61	59	-	-	0·3
	Lympne ...	73	60	53	-	-	6·5
	Manston ...	74	63	62	-	-	2·3
2	Shoeburyness ...	71	64	62	-	-	0·3
	Felixstowe ...	71	65	64	-	-	0·7
	Gorleston ...	67	62	61	-	-	7·4
	Mildenhall ...	74	62	58	-	-	0·4
	Cranwell ...	72	61	57	-	-	1·0
3	Birmingham ...	72	60	54	Tr	1	0·7
	Upper Heyford	72	57	51	Tr	-	*
4	Ross-on-Wye	73	59	56	-	2	1·6
5	Bristol ...	72	59	56	-	-	0·9
	Portland Bill ...	63	60	*	-	-	*
	Plymouth ...	68	61	54	-	-	1·3
	The Lizard ...	72	60	*	Tr	-	*
	Scilly (St. Mary's)	71	56	*	-	1	0·3
	Guernsey ..	69	56	52	-	-	3·8
6	Pembroke ...	64	56	*	0·4	6	0·6
7	Holyhead ...	66	56	55	-	5	3·0
	Chester (Sealand)	76	58	53	-	0·2	1·9
8	Manchester ...	73	56	52	-	Tr	1·2
10	Spurn Head ...	69	62	*	-	-	0·3
	Catterick ...	72	58	54	-	0·2	0·0
	Tynemouth ...	74	60	58	-	Tr	2·6
11	St. Abbs Head	75	56	*	-	-	*
	Leuchars ...	72	51	45	-	-	0·4
12	Renfrew (Abbotsl.)	78	53	48	0·4	1	0·3
	Eskdalemuir ...	66	54	51	0·2	0·5	0·0
	Point of Ayre ...	76	51	*	Tr	0·3	2·4
13A	Tiree	61	54	51	Tr	3	2·1
13B	Stornoway ...	63	54	*	0·1	0·3	0·5
15	Dalwhinnie ...	70	44	38	Tr	6	0·5
	Aberdeen ...	71	51	43	-	-	6·5
	Wick ...	67	51	*	-	4	*
16	Lerwick ...	60	53	*	-	-	0·2
17	Blacksod Point	64	51	*	-	1	*
18	Malin Head ...	67	52	*	2	-	0·8
	Aldergrove ...	71	46	40	7	-	1·3
19	Birr Castle ...	67	47	38	6	-	2·7
20	Valentia Obsy.†	65	55	48	5	0·1	7·2
	Roches Point	63	52	*	8	0·1	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs.	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cm bc	c	cbcw	78	60	54	-	-	2·0	*	*	6
Croydon	217	cy	cy	cybcbw	77	59	55	-	-	2·3	*	*	6
Greenwich (Royal Observatory)	149	c	c	cbc	82	57	47	-	-	1·5	61	72	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	1·6	*	*	*
Westminster (St. James' Park)	27	*	*	*	75	61	56	-	-	1·1	61	75	*
Regents Pk. (Botanic Gardens)†	168	*	*	*	76	60	56	-	-	1·3	57	75	*
Camden Square	110	c	c	*	77	61	55	-	-	*	*	75	*
Kensington	80	c	c	*	75	60	55	-	-	1·2	65	74	*
Hampstead Observatory	450	bc	bc	c	74	59	50	-	-	1·4	*	*	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 19th

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

Kew Observatory. Max.	Time.	Min.	Time.
0·1	6–7h 19th	<0·1	rest of period

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 18th July. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.	7h. G.M.T. 19th July. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	1021·4	NE	1	b	81	1020·7	-	0	Zo	66	82	59	-	-
Brussels	1022·2	ENE	2	b	73	1020·9	E	1	bc	68	76	55	-	-
Berlin	1020·9	NW	2	c	72						77		-	
Zürich						1018·8	NNE	1	Zo	63		57		-
Rome	1014·1	NNE	3	c	66	1013·8	NNE	2	bc	68	*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ See disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 20th July, 1937.

No. 27634.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 19th July: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	SUNSHINE 18h. Hrs. (36)
1	London (Kew)	1019.8	−4	WSW	2	c	73	65	7	5	1	-	4-6	10	2500	2.0
	Croydon ...	1019.5	−6	SW	3	c	75	65	7	8	7	-	7-8	9+	4000	2.3
	S. Farnborough	1019.8	−6	WSW	2	c/pr	72	65	7	6	7	-	4-6	10	2500	0.3
	Boscombe Down	1020.0	−6	W'N	2	c	71	65	8	7	7	-	4-6	9+	4000	8.3
	Calshot (Sthmtn.)	1020.1	−10	SSW	2	c	72	75	8	8	1	-	2-3	10	2500	6.5
	Lympne ...	1020.6	−6	S'W	1	c	73	65	7	5	-	-	10	10	7200	2.3
	Manston ...	1019.8	−6	SE'S	2	c	72	65	7	5	-	-	10	10	8700	0.3
2	Shoeburyness ...	1020.0	−6	SE'E	1	c	73	65	7	5	3	-	4-6	9+	5700	0.7
	Felixstowe ...	1020.2	−2	S'E	2	c	68	75	9	5	2	-	9	10	4000	7.4
	Gorleston ...	1019.5	−4	SE	4	c	68	85	6	5	-	-	9+	9+	2500	0.4
	Mildenhall ...	1018.9	−8	SSW	2	c	75	65	7	2	7	-	4-6	9	2500	1.0
	Cranwell ...	1019.0	−10	-	0	c/pr	70	85	6	8	4	4	7-8	9+	2500	0.7
3	Birmingham ...	1020.4	−2	WNW	2	TLR	64	92	5	6	-	-	10	10	800	*
	Upper Heyford	1020.2	−2	WNW	2	c	69	75	8	6	2	-	7-8	10	2500	1.6
4	Ross-on-Wye	1019.9	−4	NW	3	r/tlr	63	92	8	9	-	-	9+	9+	2500	0.9
5	Bristol ...	1020.4	−10	NSW	2	c/pr	66	85	8	8	7	-	7-8	9	1500	*
	Portland Bill ...	1019.4	−6	N	2	c	67	85	7	4	7	-	7-8	7-8	2500	1.3
	Plymouth ...	1021.0	−4	N'W	3	c	67	75	8	8	7	-	7-8	7-8	2500	*
	The Lizard ...	1022.0	0	N'W	4	bc	69	65	8	8	7	-	2-3	2-3	2500	0.3
	Scilly (St.Mary's)	1023.8	+6	NNW	4	bc	67	65	8	2	4	3	1	2-3	2500	3.8
	Guernsey ...	1021.6	−2	-	0	fs	65	92	5	5	-	-	10	10	1500	0.6
6	Pembroke ...	1021.8	0	NNW	3	b	62	65	8	7	-	-	1	1	5700	3.0
7	Holyhead ...	1021.3	+2	NW	2	bc	61	85	9	2	4	1	1	2-3	4000	1.9
	Chester(Sealand)	1021.0	0	NW	4	c	64	65	7	5	-	-	7-8	7-8	4000	1.2
8	Manchester ...	1021.1	+2	NW'N	1	c/r	61	75	7	8	7	-	4-6	10	2500	0.3
10	Spurn Head ...	1019.9	0	NE'E	2	c	64	92	6	5	2	-	7-8	10	1500	0.0
	Catterick ...	1019.4	−4	SW'W	1	c	67	65	8	8	-	-	9+	9+	4000	2.6
	Tynemouth ...	1019.0	−6	SSE	1	bc	61	85	7	9	-	-	4-6	4-6	800	*
11	St Abbs Head	1018.6	0	E	2	c	62	85	7	2	8	-	4-6	7-8	2500	0.4
	Leuchars ...	1018.0	−6	WSW	3	bc	66	55	8	8	4	2	4-6	4-6	2500	0.3
12	Renfrew (Abbotsl.)	1018.9	+2	SW	3	c	63	65	9	2	6	1	7-8	9	4000	0.0
	Eskdalemuir ...	1019.0	0	SSW	4	c	65	45	8	7	-	1	4-6	7-8	4000	2.6
	Point of Ayre...	1021.0	0	NW'W	3	bc	66	75	8	6	6	4	1	4-6	4000	*
13A	Tiree	1017.1	+6	W	4	c/d	59	85	8	5	7	-	7-8	7-8	1500	0.4
13B	Stornoway ...	1013.4	+8	WSW	5	ir	56	92	7	8	2	-	7-8	10	1500	0.3
15	Dalwhinnie ...	1018.6	−6	SW	3	c	57	75	8	4	5	-	7-8	9	2500	0.0
	Aberdeen ...	1016.9	−8	S	4	bc	68	65	8	1	-	1	4-6	4-6	4000	2.4
	Wick ...	1015.1	−8	S	4	c	62	65	8	5	7	-	4-6	7-8	1500	2.1
16	Lerwick ...	1015.8	−10	S	4	c	56	85	8	8	8	-	4-6	7-8	1500	0.5
																0.5
																*
																0.2
17	Blacksod Point	1022.2	+10	W	4	c	60	75	8	5	-	-	7-8	7-8	1500	*
18	Malin Head ...	1019.7	+6	W	4	c	59	92	7	4	5	-	4-6	9	2500	0.8
	Aldergrove ...	1020.5	0	WSW	3	c/p	62	75	6	8	8	-	9	9+	2500	1.3
19	Birr Castle ...	1021.8	+2	W	2	c	64	65	8	4	-	-	7-8	7-8	2500	2.7
20	Valentia Obsy. †	1024.9	0	W	3	c	60	75	8	7	-	-	7-8	7-8	2500	7.2
	Roches Point	1023.4	−2	NW	2	bc	65	75	9	2	-	-	4-6	4-6	2500	*

District	Stations.	OBSERVATIONS at 18h. G.M.T. 19th July: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1018.7	−2	WNW	5	tlr	63	85	8	9	-	-	9+	9+	1500	1	*
	Croydon ...	1018.5	−4	W	2	cu	72	65	7	3	3	-	4-6	9+	4000	0	*
	S. Farnborough	1018.5	−4	NW	3	c/pr	70	75	7	9	-	-	9	9	4000	0	*
	Boscombe Down	1019.0	−2	WNW	4	c	70	75	8	8	7	-	7-8	9	2500	0	*
	Calshot (Sthmtn.)	1019.4	−6	W'S	3	c	71	75	8	8	7	-	7-8	9	4000	0	2
	Lympne ...	1019.3	−2	SW	2	c	67	75	7	5	7	-	4-6	9+	7200	0	§1
	Manston ...	1018.4	−10	ESE	2	ir	66	75	6	5	2	-	1	10	4000	0	*
2	Shoeburyness ...	1018.5	−8	SE	2	t	71	75	5	9	2	-	4-6	10	2500	0	*
	Felixstowe ...	1018.6	−2	S'E	1	c/r	67	85	7	5	2	-	7-8	10	2500	0	1
	Gorleston ...	1018.5	−2	S'E	1	pr	65	85	6	8	-	-	10	10	2500	0	2
	Mildenhall ...	1018.4	+2	NE'N	1	c	65	97	7	9	2	-	Tr	10	2500	1	*
	Cranwell ...	1019.4	+2	NW	2	c	63	85	6	9	-	-	9	10	800	1	*
3	Birmingham ...	1020.3	0	N	3	z	63	75	5	7	-	-	4-6	4-6	1500	1	*
	Upper Heyford	1020.2	+10	NNW	3	z	64	85	5	9	-	-	9+	9+	1500	0	*
4	Ross-on-Wye	1020.0	0	NE	3	bc	65	75	8	8	-	-	2-3	2-3	4000	1	*
5	Bristol ...	1020.0	0	NE	3	c	65	85	7	8	-	-	7-8	7-8	1500	1	*
	Portland Bill ...	1019.4	+4	NW	2	c	65	85	8	4	-	-	7-8	7-8	2500	0	2
	Plymouth ...	1021.3	+2	NW'N	5	c	66	55	8	1	7	-	Tr	Tr	2500	0	2
	The Lizard ...	1022.5	0	NNW	4	bc	63	65	8	7	-	-	2-3	2-3	4000	0	1
	Scilly (St.Mary's)	1023.6	−4	NNW	3	b	63	75	8	-	-	-	0	0	-	0	2
	Guernsey ...	1021.1	−6	NW	3	b	66	85	9	-	1	-	0	1	-	0	2
6	Pembroke ...	1021.8	0	NW	2	b	62	65	8	5	-	-	1	1	2500	0	2
7	Holyhead ...	1021.7	+2	W'N	3	c	62	75	9	8	-	-	9	9	4000	0	1
	Chester(Sealand)	1021.3	+4	NW	4	b	63	55	8	8	3	-	Tr	1	4000	0	*
8	Manchester ...	1020.8	+2	WNW	4	bc	65	45	9	4	6	-	2-3	2-3	4000	0	*
10	Spurn Head ...	1019.5	−4	E'N	1	c	59	97	7	5	2	-	7-8	10	1500	1	*
	Catterick ...	1018.8	−2	NW'N	2	bc	68	45	8	6	3	-	4-6	4-6	4000	0	*
	Tynemouth ...	1018.7	+2	W	3	bc	68	55	8	1	3	1	1	2-3	2500	0	1
11	St Abbs Head	1018.4	0	WNW	2	c	(62)	75	9	4	5	2	4-6	7-8	2500	0	1
	Leuchars ...	1018.2	+2	WSW	3	bc	64	65	8	8	4	1	1	2-3	4000	0	*
12	Renfrew (Abbotsl.)	1019.3	+4	W	2	c	60	75	8	8	c	-	7-8	9	1500	1	*
	Eskdalemuir ...	1019.6	+4	W	3	c	60	75	8	5	-	1	7-8	7-8	2500	1	*
	Point of Ayre...	1021.0	0	NW'W	3	c	59	85	8	8	6	-	4-6	7-8	1500	0	1
13A	Tiree	1019.3	+6	W	4	c	56	92	8	8	7	-	4-6	7-8	1500	1	3
13B	Stornoway ...	1016.4	+16	WSW	4	ir	55	85	7	8	7	-	7-8	9+	1500	1	3
15	Dalwhinnie ...		+4	W	4	c	55	75	7	5	2	-	2-3	9	2500	0	*
	Aberdeen ...	1016.8	+4	WSW	3	c	65	85	8	5	3	2	4-6	7-8	4000	0	1
	Wick ...	1015.7	+6	SSW	3	c	59	85	8	8	1	-	7-8	9	1500	1	1
16	Lerwick ...	1015.2	−6	S	4	c	55	92	8	7	-	-	7-8	7-8	1500	0	*
17	Blacksod Point	1022.7	0	W	3	c	58	65	8	5	-	-	10	10	1500	0	3
18	Malin Head ...	1020.7	+14	W	4	c	57	92	7	8	-	-	7-8	7-8	2500	0	2
	Aldergrove ...	1021.2	−2	W'N	3	c	62	65	8	8	3	4	7-8	7-8	2500	1	*
19	Birr Castle ...	1022.4	+4	WNW	2	c	62	65	8	8	-	-	9+	9+	2500	1	*
20	Valentia Obsy. †	1024.9	0	W'N	2	c	61	75	8	7	-	1	9	9+	4000	1	2
	Roches Point	1023.2	−2	NNW	3	bc	65	65	9	1	-	-	2-3	2-3	4000	1	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 19th (37)	13h.—18h. 19th (38)	18h. 19th to 1h. 20th (39)	1h.—7h. 20th (40)
1	London (Kew)	cm,z,c	ctlr	tlrcrc	bcbm,
	Croydon ...	czc	cpr,c	tlr,r,	om,bz,
	S. Farnborough	ccz,c	cpr,bcct	ctPrprbc	bWm,
	Boscombe Down	c	cbcc	cbc	b
	Calshot (Sthmtn.)	cm,c	cbcc	cbcbwb	bbm,
	Lympne ...	czc	c	ctlpr,	bccm,
	Manston ...	cz,c	cz,r,	ctlPrm,	bccm,off
2	Shoeburyness ...	cm,c	jtm,c	tlqRtl	m,c
	Felixstowe ...	c.	ctir,c	TRTcPr	c
	Gorleston ...	cq	cpr,	otlro	od,
	Mildenhall ...	cz,cbcc	pctlrhPRcrr,r,cmom	omom,	
	Cranwell ...	cr,r,c	cprprtprc	cm,	cm,bcm,
3	Birmingham ...	c	tlrbc	bcb	b
	Upper Heyford	cm,prc	ccm,	cbcbm,W	bm,cm
4	Ross-on-Wye	ccutlR	r,cbc	bccb	bW
5	Bristol ...	cr,d,	cbcc	cbc	bcbWm,
	Portland Bill ...	c	c	bcc	cbc
	Plymouth ...	cr,d,cbcc	cbcby	byb	bWbbc
	The Lizard ...	cbc	bc	bc	bccW
	Scilly (St.Mary's)	cbc	bcb	bbc	bcWc
	Guernsey ...	com	ozbcb	bW	bWb
6	Pembroke ...	cqbcb	b	bcbW	bcc
7	Holyhead ...	bc,b	bc	cbcc	cbcW
	Chester(Sealand)	RRr,r,m	bcy	byW	bWz,
8	Manchester ...	cr Rr,m	cbcy	bcyb	boFFc
10	Spurn Head ...	cprc	crtc	c	cp,c
	Catterick ...	cr,c	cbcy	bcybW	bWbcW
	Tynemouth ...	cp,bc	bc	bc	cbc
11	St Abbs Head	c	c	c	c,bc
	Leuchars ...	bc	bcybc	bcbbW	bWcW
12	Renfrew (Abbotsl.)	mbcc	cpr,	cbc	bcWc
	Eskdalemuir ...	cbc	bccbc	bc	bccW
	Point of Ayre...	bc	bcc	c	bc
13A	Tiree	ciD	cpr,	c	c
13B	Stornoway ...	bccirm,	cir	irpr,c	c
15	Dalwhinnie ...	bc	bc	*	bcc
	Aberdeen ...	ybbc	bccW	vcpr,	ccv
	Wick ...	bcc	c	c	c
16	Lerwick ...	cpr,	c	c	cpr,
17	Blacksod Point	bc	bc	bc	Prcq
18	Malin Head ...	cpr,	cpr,	cpr,c	cbc
	Aldergrove ...	cm,cjp	cpr,c	c	c
19	Birr Castle ...	bcc	c	cbc	bcc
20	Valentia Obsy. †	cpr,bcc	cbcc	cbcb	bbcr,r,
	Roches Point	bc	bc	bcbcW	bcWc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jF, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s, slight storm of drifting snow (generally high).
S, heavy storm of drifting snow (generally high).
K, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ◑ lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cs predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

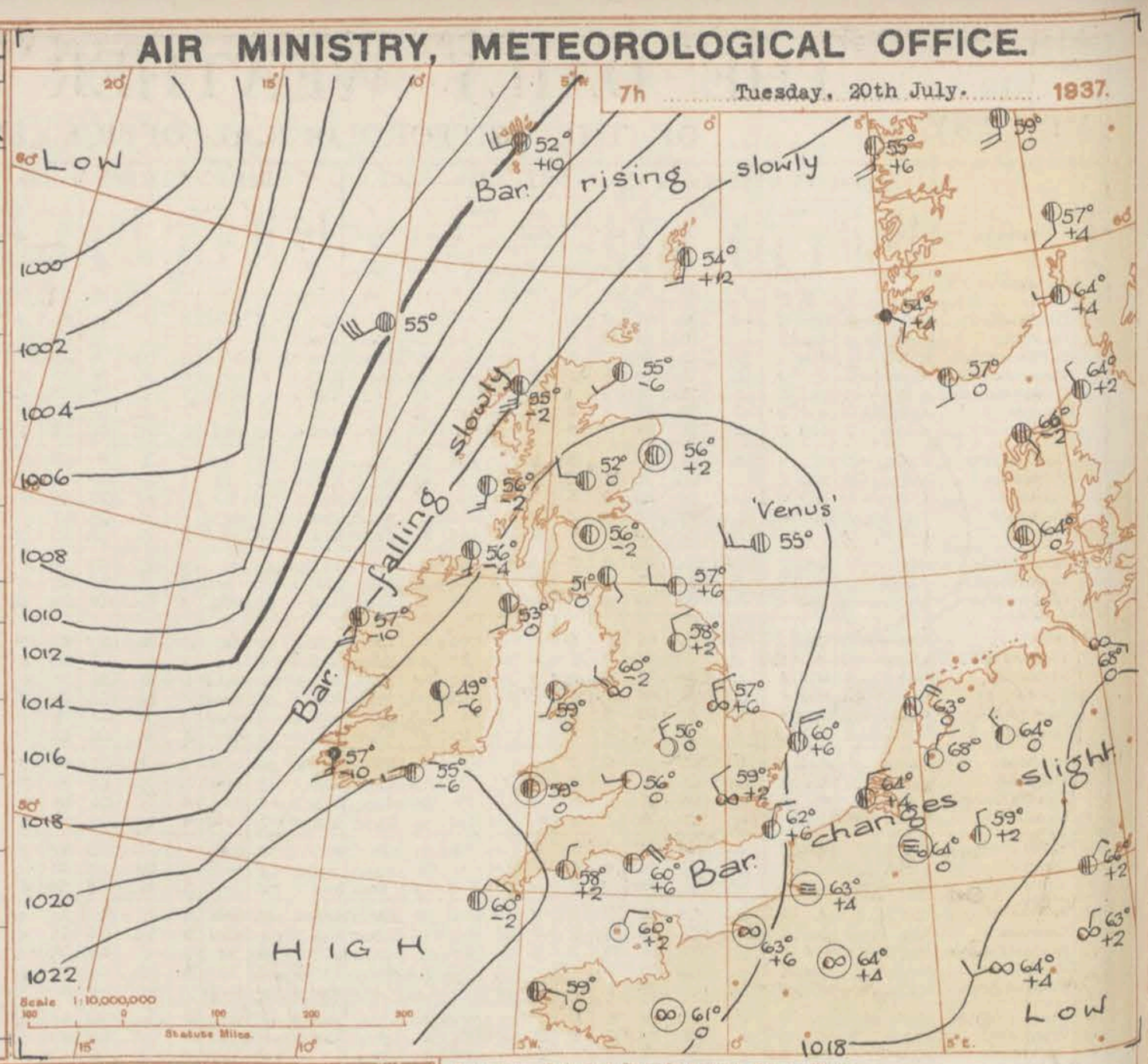
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† ,, disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 19th July 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 18th to 9h. 19th	Temperature (°F.) Max. 9h.—17h. 19th	Rainfall (mm.) Night. 17h. 18th to 9h. 19th	Rainfall (mm.) Day. 9h.—17h. 19th	Sunshine (Hrs.) Sunrise to 17h. 19th	Sunshine (Hrs.) Sunrise to Sunset. 18th
1	Tunbridge W.	o	ob	57	74	—	Trace	0·1	5·9
	Bournemouth	c	cbc	63	73	—	0·3	0·3	2·8
	Ventnor ...	c	cbbc	60	72	—	—	2·1	9·2
	Southsea ...	o	ocbc	63	75	—	—	1·2	9·0
	Bognor Regis	bcc	cobc	63	69	—	Trace	0·5	7·8
	Littlehampton	c	cbc	62	70	—	—	0·2	7·3
	Worthing ...	cbco	bccbc	61	70	—	—	0·2	7·9
	Brighton ...	c	c	60	68	—	—	0·2	10·9
	Eastbourne† ...	co	o	61	71	—	—	0·1	11·3
	Hastings† ...	c	c	60	71	—	—	0·2	9·2
	Folkestone ...	oc	co	64	74	—	—	0·0	5·7
	Dover ...	co	oc	65	72	—	—	0·1	8·5
	Deal	oc	co	63	72	—	—	0·1	5·1
	Ramsgate ...	c	c	64	69	—	—	0·0	3·1
	Margate ...	c	c	64	70	—	—	0·1	2·7
2	Southend ...	co	cor.	64	74	—	Trace	0·4	0·2
	Maldon ...	c	co	61	76	—	—	0·2	2·0
	Clacton-on-Sea	c	c	65	70	—	—	0·2	0·8
	Dovercourt ...	bcc	bccoc	65	70	—	—	0·0	2·0
	Lowestoft ...	c	c.	61	69	—	—	0·0	7·5
	Skegness ...	ccr.	rcdlcc	63	70	—	5	0·1	5·2
	Mablethorpe...	bcc	ortl	61	72	—	3	0·9	3·1
	Cleethorpes ...	c	crc	63	72	—	6	0·0	0·3
3	Leamington S.	ocor	oro	62	71	1	5	0·3	1·8
4	Cheltenham†	coir.	opc	60	71	Trace	1	0·7	0·3
5	Bath	c	cbc	64	73	—	—	3·0	0·0
	Weymouth ...	c	c	63	72	—	—	1·3	2·6
	Jersey ...	oc	cbc.	62	72	—	—	1·2	5·4
	Torquay ...	cbc	b	62	70	—	—	4·4	0·8
	Penzance ...	cb	b	59	68	—	—	7·2	0·2
	St. Ives ...	d	b	56	63	Trace	—	7·9	0·9
	Bude... ...	fcbc	bcb	59	63	0·5	—	6·0	1·3
	Ilfracombe ...	codrr	cbcb	59	65	3	1	4·8	2·5
6	Aberystwyth	Rrbc	pbc	58	64	21	—	6·5	1·6
7	Llandudno ...	cbc	b	56	65	0·6	—	6·9	1·2
	Colwyn Bay...	cbcb	bcb	56	65	3	—	7·2	1·5
	Rhyl	rcbc	pcb	56	64	5	—	6·2	2·0
8	Wallasey ...	Rcbc	bcb	57	66	2	—	5·2	1·2
	Southport ...	drbc	bcb	57	66	1	—	6·0	1·4
	Blackpool ...	cbc	pcb	58	64	—	—	6·6	2·7
	Morecambe ...	cbcc	b	58	67	—	—	6·7	4·7
9	Ilkley... ...	cidc	cbc	59	70	Trace	0·2	2·0	0·3
	Harrogate ...	cpc	cbc	58	68	1	1	1·5	0·9
10	Berwick-on-T.	bc	bc	56	65	—	—	9·1	4·9
11	Dunbar ...	bc	bc	56	68	—	—	9·7	5·0
12	Troon... ...	bbc	cbc	57	62	1	—	6·7	1·7
	Douglas ...	bc	cb	52	65	0·5	—	7·5	0·0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th July, 1937.
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands	Light variable winds, becoming southerly or southwesterly later and freshening; considerable bright periods at first but cloud spreading from west with occasional rain or drizzle later; average temperature but becoming close later.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Freshening southerly winds, veering southwest and moderating; becoming cloudy, dull at times with occasional rain or drizzle; local coast fog; average temperature becoming rather close.
9 N. Midlands 10 N.E. England 11 S.E. Scotland	Freshening southerly winds, veering southwest and moderating; becoming cloudy, dull at times with periods of rain; average temperature.
12 S.W. Scotland & Isle of Man. 13 {A. W.Scotld. B.N.W.Scotland.	Southerly winds, becoming strong, veering southwest and moderating later; cloudy, dull at times with periods of rain, but becoming fairer later; rather cool.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Freshening southerly winds, veering southwest and moderating; becoming cloudy, dull at times with periods of rain; rather cool.
17 N. W. Ireland 18 N. E. Ireland	As 12 - 13B.
19 S. E. Ireland 20 S. W. Ireland	Freshening southerly winds, veering southwest and moderating; cloudy, dull at times with periods of rain or drizzle; local coast fog; average temperature; rather close.

GENERAL INFERENCE.

A depression southwest of Iceland is moving northeast and a trough of low pressure west of Ireland is moving east. Rain will spread across the country though falls will not be great in the South. It will be rather cool in the North but it will become rather close in the South.

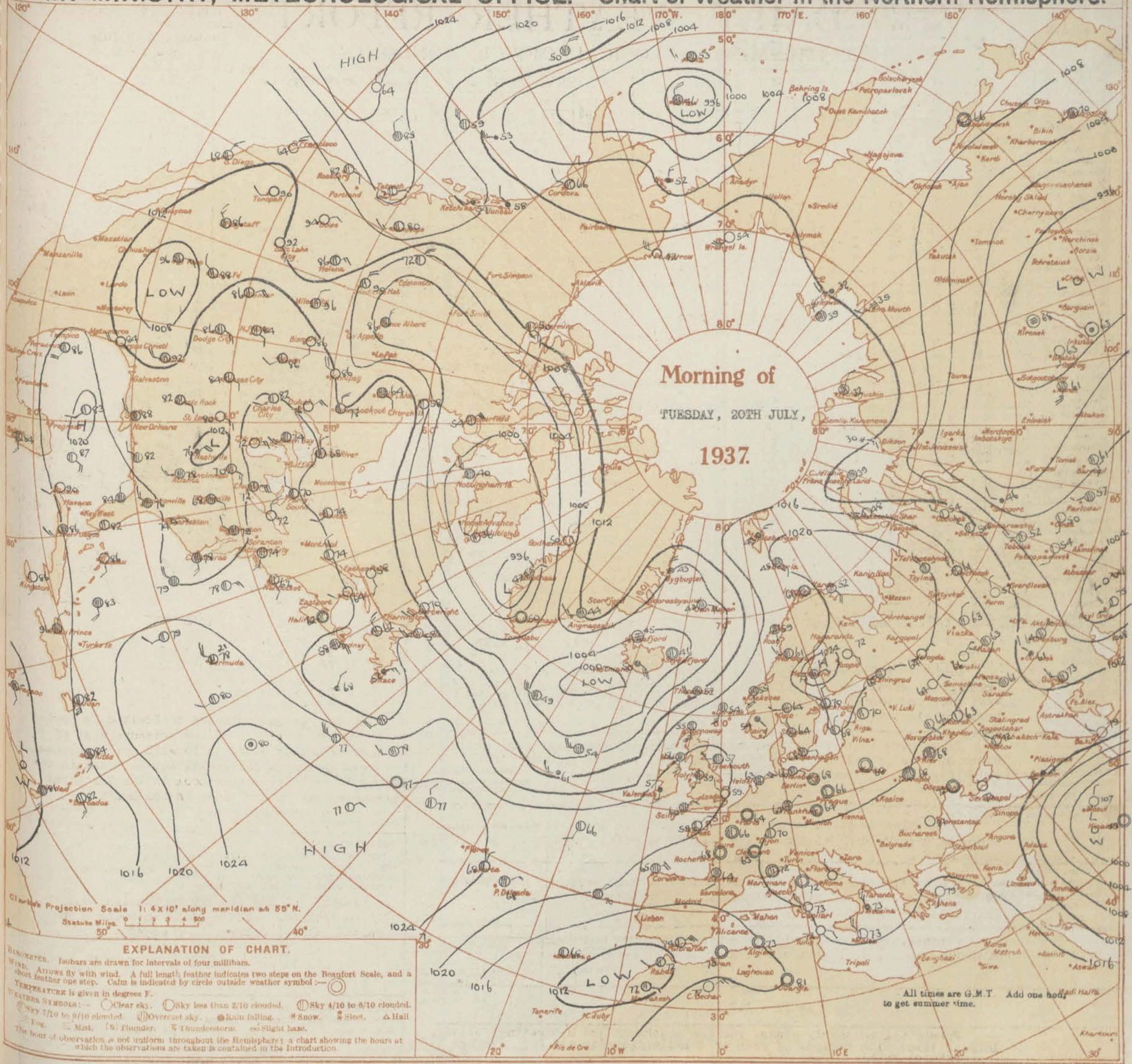
FURTHER OUTLOOK.

Rather cool and showery in Scotland and Northern Ireland. Rather close in South with occasional rain or drizzle in places.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Flunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 20th July, 1937.
No. 27634.

OBSERVATIONS at 1 hr. G.M.T. 20th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1019·9	+2	NW	2	o	62	85	6	5	-	-	10	10	1500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Shmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019·5	o.	N'E	3	bc	60	92	7	5	3	-	4·6	4·6	2500
	Manston ...	142	1018·8	-2	NNE	1	bc	61	97	6	5	-	-	4·6	4·6	2500
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018·9	o	WNW	1	o	61	97	6	6	-	-	10	10	1500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1020·0	-6	NNE	3	c	59	85	7	4	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1022·7	-4	NNW	4	bc	58	97	8	7	-	-	2·3	2·3	4000
	Scilly (St. Mary's)	163	1023·4	-8	N'W	3	bc	56	92	8	-	-	3	o	2·3	-
	Guernsey ..	175	1021·3	-2	NNW	1	b	56	92	9	-	-	-	o	o	-
6	Pembroke ...	142	1021·5	o	N	3	b	55	85	8	7	-	-	1	1	4000
7	Holyhead ...	26	1022·1	-2	-	o	c	57	85	8	5	7	-	2·3	9	4000
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1019·5	o	WNW	3	bc	59	92	7	5	7	-	4·6	4·6	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1020·5	+4	W	3	bc	57	85	7	5	-	-	4·6	4·6	1500
11	St. Abbs Head	280	1019·7	o	WNW	3	bc	55	85	8	5	4	1	4·6	4·6	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1022·0	+2	N	2	c	56	85	8	5	-	-	9+	9+	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1018·0	+2	SW	3	c	52	92	7	8	7	-	7·8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1018·6	+16	WNW	1	c	53	92	8	5	7	-	7·8	10	1500
16	Lerwick ...	156	1016·8	+12	WSW	3	c	52	97	8	8	7	-	7·8	9	800
17	Blacksod Point	18	1021·2	-12	S	3	bc	56	85	8	4	-	-	4·6	4·6	1500
18	Malin Head ...	84	1020·9	-2	W	3	c	55	85	7	4	1	-	7·8	9	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1023·6	-10	S	2	c	55	92	7	5	-	-	7·8	7·8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 20th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1020·5	+8	NNW	2	b	57	75	6	-	-	-	o	o	-	1	*
	Croydon ...	1020·4	+4	NW	2	2_o	59	75	6	-	-	-	o	o	-	o	*
	S. Farnborough	1020·9	+4	WNW	2	2_o	54	85	5	-	-	-	o	o	-	1	*
	Boscombe Down	1021·2	-2	NW'N	2	bc	55	85	7	1	-	-	2·3	2·3	2500	o	*
	Calshot (Shmtn.)	1020·8	+2	NNW	4	2_o	57	85	6	-	3	-	o	Tr	-	o	2
	Lympne ...	1020·0	+6	N'E	2	c	62	85	7	5	-	-	9+	9+	1500	o	1
	Manston ...	1019·6	+10	N	4	c	62	92	6	5	-	-	10	10	450	1	*
2	Shoeburyness...	1019·9	+12	NNW	2	c	60	92	5	5	-	-	10	10	2500	1	*
	Felixstowe ...	1019·7	+6	N'E	3	c	62	92	7	8	3	-	9	9+	1500	1	2
	Gorleston ...	1019·2	+6	N'E	4	o/d	60	97	6	6	-	-	10	10	1500	1	2
	Mildenhall ...	1020·1	+6	WNW	2	2_o	58	97	5	5	-	-	10	10	800	1	*
	Cranwell ...	1020·9	+6	NW'N	3	2_o	57	85	6	-	6	9	o	4·6	-	1	*
3	Birmingham ...	1021·5	o	NNW	3	b	56	85	6	-	-	-	o	o	-	1	*
	Upper Heyford	1021·4	-2	NNW	3	2_o	55	85	6	5	-	-	7-8	7-8	800	o	*
4	Ross-on-Wye	1021·6	o	W'S	1	b	56	85	8	-	-	8	o	Tr	-	1	*
5	Bristol ...	1021·8	-2	WNW	1	2_o	57	85	6	-	3	-	o	1	-	1	*
	Portland Bill ...	1020·4	+6	NE	4	bc	60	75	8	4	-	-	2·3	2·3	2500	o	3
	Plymouth ...	1022·0	+2	NNW	1	bc	58	85	8	5	-	4	Tr	2·3	2500	o	o
	The Lizard ...	1021·9	o	NNE	2	c	60	85	8	5	7	1	2·3	7-8	2500	o	2
	Scilly (St. Mary's)	1022·8	-2	NE	2	c	60	85	8	*	7	6	o	9+	-	o	1
	Guernsey ..	1021·3	+2	NE'N	2	b	60	85	6	-	-	-	o	o	-	o	1
6	Pembroke ...	1021·7	o	-	o	c	59	92	8	5	7	9	4·6	7-8	2500	o	1
7	Holyhead ...	1021·6	o	SSW	1	bc	59	85	8	7	-	-	4·6	4·6	4000	1	o
	Chester(Sealand)	1021·6	-2	WNW	1	2_o	60	75	6	1	-	1	1	1	2500	o	*
8	Manchester ...	1021·6	+4	S	1	F	51	97	7	-	-	-	10	10	<150	1	*
10	Spurn Head ...	1020·7	+4	N'E	3	c	58	92	7	4	8	-	7·8	9	2500	1	2
	Catterick ...	1021·2	+2	NW'N	2	bc	58	75	8	4	5	9	1	4·6	5700	o	*
	Tynemouth ...	1020·6	+6	W	2	bc	57	85	7	5	-	-	4·6	4·6	1500	o	1
11	St. Abbs Head	1020·3	+6	WNW	3	bc	55	85	8	1	4	1	2·3	4·6	4000	o	2
	Leuchars ...	1020·6	+4	WSW	2	c	55	85	8	5	-	6	4·6	7-8	2500	o	*
12	Renfrew (Abbotsl.)	1020·7	-2	-	o	c	56	75	8	5	-	-	10	10	4000	1	*
	Eskdalemuir ...	1021·1	o	SE	1	c	51	92	8	6	-	1	9+	9+	4000	1	*
	Point of Ayre...	1021·6	-2	WNW	1	bc	58	85	8	5	4	9	1	4·6	2500	o	1
13A	Tiree	1018·7	-2	S	3	c	56	75	8	5	-	-	9	9	2500	o	3
13B	Stornoway ...	1017·7	-2	S	5	c	55	85	8	5	7	-	7·8	9+	1500	1	3
15	Dalwhinnie ...	1021·6	o	W	2	c	52	85	7	5	-	-	9+	9+	2500	o	*
	Aberdeen ...	1020·2	+2	-	o	c	56	75	8	5	-	-	9+	9+	4000	o	o
	Wick ...	1018·8	-6	SW	1	c	56	97	8	5	7	-	7·8	9+	1500	1	1
16	Lerwick ...	1019·0	+12	SSW	3	c	54	85	8	7	8	2	4·6	9	1500	o	*
17	Blacksod Point	1018·3	-10	S	4	c	57	92	8	9	-	-	10	10	800	1	3
18	Malin Head ...	1019·6	-4	S	3	c	56	85	7	4	-	4	2·3	7-8	2500	o	2
	Aldergrove ...	1021·5	o	S	2	c	53	85	8	5	-	-	9+	9+	4000	1	*
19	Birr Castle ...	1021·6	-6	S'E	1	c	49	97	8	5	-	-	10	10	2500	1	*
20	Valentia Obsy. †	1021·2	-10	S	3	2_o	57	92	8	6	2	-	4·6	10	1500	1	2
	Roches Point	1022·5	-6	WSW	1	c	55	85	8	5	7	-	4·6	10	1500	1	1

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 19th Hrs. (36)
1	London (Kew)	75	55	47	9	4	0·8
	Croydon ...	75	57	56	Tr	1·0	0·4
	S. Farnborough	73	47	41	Tr	6	0·4
	Boscombe Down	73	49	44	-	-	1·2
	Calshot (Shmtn.)	73	55	52	-	-	0·7
	Lympne ...	73	60	59	-	0·6	0·1
	Manston ...	74	58	55	Tr	1	0·1
2	Shoeburyness...	73	59	57	-	11	0·6
	Felixstowe ...	69	58	56	Tr	9	0·0
	Gorleston ...	68	59	58	0·1	7	0·2
	Mildenhall ...	77	55	55	5	11	3·2
	Cranwell ...	72	53	50	2	-	0·3
3	Birmingham ...	68	52	48	9	-	2·2
	Upper Heyford	72	49	43	0·1	-	*
4	Ross-on-Wye	67	47	43	10	-	3·8
5	Bristol ...	71	48	41	0·3	-	3·3
	Portland Bill ...	68	56	*	-	-	*
	Plymouth ...	68	55	50	Tr	-	8·1
	The Lizard ...	69	51	*	-	-	*
	Scilly (St. Mary's)	67	55	*	-	-	12·3
	Guernsey ..	69	55	50	-	-	4·8
6	Pembroke ...	63	53	*	-	-	11·4
7	Holyhead ...	64	52	45	-	-	9·2
	Chester(Sealand)	65	49	48	3	-	6·3
8	Manchester ...	67	44	42	2	Tr	5·6
10	Spurn Head ...	67	57	*	4	0·1	0·1
	Catterick ...	71	44	39	Tr	-	4·8
	Tynemouth ...	71	55	53	0·3	-	6·0
11	St. Abbs Head	64	52	*	-	-	*
	Leuchars ...	68	45	38	Tr	-	12·1
12	Renfrew (Abbotsl.)	64	52	48	0·6	-	6·6
	Eskdalemuir ...	66	43	38	-	-	8·6
	Point of Ayre...	69	48	*	-	-	8·3
13A	Tiree	60	53	50	0·1	-	1·9
13B	Stornoway ...	58	52	*	1	Tr	1·9
15	Dalwhinnie ...	62	47	39	-	-	3·6
	Aberdeen ...	69	51	49	-	Tr	9·0
	Wick ...	64	51	*	-	-	*
16	Lerwick ...	57	51	*	Tr	Tr	8·4
17	Blacksod Point	64	53	*	-	-	*
18	Malin Head ...	60	52	*	0·5	Tr	1·2
	Aldergrove ...	62	48	42	0·1	-	4·5
19	Birr Castle ...	66	41	33	-	-	7·0
20	Valentia Obsy. †	63	50	47	Tr	1	8·5
	Roches Point	68	49	*	-	Tr	*

LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cm 2_o c	c tlr	tlr cr c	75	55	47	9	4	0·8	*	*	6
Croydon	217	c 2_o c	c pr c	tlr r	75	57	56	Tr	-	0·4	*	*	6
Greenwich (Royal Observatory)...	149	c	cr c d ⊕	cr t l c b	77	57	53	Tr	Tr	1·1	57	69	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·5	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	75	58	54	1·7	*	0·9	63	67	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	75	56	55	-	2	0·7	61	67	*
Camden Square	110	c	c c pr	*	75	57	52	Tr	1	*	*	68	*
Kensington	80	co	co t	*	74	56	50	Tr	S	0·8	At 18h. 69	67	*
Hampstead Observatory	450	c	cor t l	bc	72	51	49	1	1	1·2	*	71	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
< 0·3 whole period.			

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	22h 19th	<0·1	20h 19th

FOREIGN OBSERVATIONS.

18h. G.M.T. 19th July

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1018·2	NNE	2	bc	79
Brussels	1017·9	NNW	2	bc	72
Berlin	1017·1	NW	2	b	77
Zürich	1016·0	N	1	b	77
Rome					

7h. G.M.T. 20th July

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1019·0	-	o	2_o	64
1018·0	-	o	m	66
1018·4	-	o	b	68
1016·7	NE	1	b l	63
1014·2	NNW	1	2_o	?

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
81	59	-	-
81	57	-	-
82	57	-	-
81	59	-	-
*	*		-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

‖ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 21st, July, 1937.

No. 27655.

OBSERVATIONS at 13h. G.M.T. 20th July

Dist.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1013·5	−4	NNW	2	bc	71	55	7	2	–	1	4·6	4·6	2500
	Croydon ...	1013·7	−6	NNW	2	2o	71	55	6	2	–	–	7·8	7·8	4000
	S. Farnborough	1013·6	−8	NNW	2	bc	72	56	6	1	–	1	4·6	4·6	4000
	Boscombe Down	1020·7	−6	N'W	3	bc	67	56	8	1	–	–	4·6	4·6	4000
	Calshot (Sthmtn.)	1020·5	−4	NW'N	2	bc	71	55	7	2	–	1	2·3	2·3	4000
	Lympne ...	1020·1	−2	ESE	2	c	69	75	8	2	–	–	7·8	7·8	2500
	Manston ...	1019·8	+24	NNE	3	bc	68	75	8	2	–	–	1	1	2500
2	Shoeburyness ...	1020·1	−2	SE'E	2	c	66	75	7	8	–	–	7·8	7·8	2500
	Felixstowe ...	1020·1	+2	E	2	c	66	85	7	9	–	–	7·8	7·8	1500
	Gorleston ...	1020·3	+6	N'E	2	bc	65	75	7	1	3	–	2·3	4·6	4000
	Mildenhall ...	1019·8	−2	SE'S	1	c	70	75	8	2	6	–	4·6	7·8	2500
	Cranwell ...	1020·3	−6	NW	1	c	68	65	7	2	–	–	7·8	7·8	2500
3	Birmingham ...	1020·5	−2	NW	2	c	65	55	7	7	–	–	9	9	2500
	Upper Heyford	1020·6	−6	NW	1	c	68	55	7	8	–	6+	4·6	7·8	4000
4	Ross-on-Wye	1020·4	−6	NW'N	2	bc	70	55	5	7	–	5	4·6	4·6	4000
5	Bristol ...	1021·3	−10	NNW	1	c	67	65	8	1	–	6	4·6	7·8	4000
	Portland Bill ...	1020·8	−6	W	2	bc	66	75	8	4	4	–	2·3	4·6	2500
	Plymouth ...	1021·1	−6	SSW	4	c	67	75	8	1	5	6	1	9	2500
	The Lizard ...	1022·2	0	WSW	1	c	66	75	8	8	3	–	4·6	9+	2500
	Scilly (St.Mary's)	1022·7	−4	W	1	c	65	65	8	–	7	9	0	7·8	–
	Guernsey ...	1021·4	−2	NNE	2	bc	67	65	8	–	–	8	0	2·3	–
6	Pembroke ...	1020·3	−2	W	2	c	62	85	8	5	7	–	4·6	7·8	2500
7	Holyhead ...	1020·7	−8	SW'W	3	c	64	65	9	1	4	7	Tr	9+	4000
	Chester(Sealand)	1020·8	−10	NE	2	bc	68	55	8	8	–	6	4·6	4·6	4000
8	Manchester ...	1021·0	−6	WN	2	bc	67	55	8	7	3	1	2·3	4·6	4000
10	Spurn Head ...	1020·4	0	NNE	2	c	65	65	7	5	7	–	4·6	7·8	4000
	Catterick ...	1020·2	−6	–	0	c	66	55	5	8	–	–	9+	9+	4000
	Tynemouth ...	1020·5	−2	SE	1	c	58	75	8	7	–	–	7·8	7·8	2500
11	St. Abbs Head	1019·8	−6	NNW	2	c	57	75	8	8	7	–	7·8	9+	1500
	Leuchars ...	1019·8	−6	SW	3	c	61	65	7	5	2	–	7·8	9+	2500
12	Renfrew (Abbots L.)	1019·3	−12	SW	3	c	63	65	9	7	–	–	9	9	4000
	Eskdalemuir ...	1020·0	−6	WSW	3	c	59	65	8	5	–	–	9	9	2500
	Point of Ayre...	1020·8	−10	S'E	3	c	61	85	8	8	6	–	4·6	7·8	2500
13A	Tiree	1016·8	−12	S	5	c	57	85	7	5	2	–	7·8	9+	2500
13B	Stornoway ...	1015·3	−10	S	7	c	56	65	9	5	7	–	7·8	10	1500
15	Dalwhinnie ...	*	−14	W	4	c	58	65	8	5	6	5	2·3	7·8	4000
	Aberdeen ...	1019·3	−8	S	3	c	61	75	8	7	–	1	9	9	2500
	Wick ...	1018·0	−6	S	3	c	59	85	6	8	3	1	4·6	7·8	1500
16	Lerwick ...	1018·8	−2	WSW	4	c	55	75	8	8	7	–	4·6	9+	1500
17	Blacksod Point	1015·2	−18	S	5	DD	57	92	6	6	–	*	10	10	450
18	Malin Head ...	1016·8	−14	S	4	r₀r₀	58	92	7	8	2	*	7·8	9	1500
	Aldergrove ...	1015·3	−14	S'W	3	c	60	65	8	5	7	–	9	9+	2500
19	Birr Castle ...	1015·7	−12	S	1	br	60	85	7	8	1	–	7·8	9+	1500
20	Valentia Obsy. †	1015·7	−14	S'W	5	c/r	69	92	8	5	2	–	4·6	10	1500
	Roches Point	1021·2	−6	SW	3	c/r	59	85	8	6	7	–	4·6	10	1500

OBSERVATIONS at 18h. G.M.T. 20th July

Dist.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1018·5	+16	N'W	2	c	72	56	7	8	7	6	2·3	9+	4000	1	*
	Croydon ...	1018·2	−10	N'W	2	2o	73	55	6	2	6	6	4·6	7·8	4000	0	*
	S. Farnborough	1018·6	−4	W'N	1	bc	72	45	7	1	–	9	Tr	4·6	4000	1	*
	Boscombe Down	1019·4	−6	NW'N	1	c	68	55	7	5	7	1	4·6	7·8	4000	0	*
	Calshot (Sthmtn.)	1019·1	−8	WNW	1	bc	72	55	7	7	5	9	2·3	4·6	5700	0	1
	Lympne ...	1019·7	−2	SE'S	1	c	63	85	6	8	6	6	4·6	7·8	4000	0	$0
	Manston ...	1019·1	−4	ENE	2	bc	64	85	7	2	–	6	1	2·3	4000	1	*
2	Shoeburyness ...	1019·3	−4	E	3	c	64	85	7	2	7	3	4·6	7·8	2500	1	*
	Felixstowe ...	1019·6	−4	ENE	3	c	63	85	7	5	–	–	7·8	7·8	1500	0	1
	Gorleston ...	1019·5	−2	N'E	2	bc	64	85	6	1	3	–	2·3	4·6	4000	1	2
	Mildenhall ...	1018·4	−8	NE'E	2	c	69	65	8	8	–	3	4·6	7·8	4000	1	*
	Cranwell ...	1018·8	−12	ESE	2	c	67	75	8	8	6	–	4·6	7·8	4000	1	*
3	Birmingham ...	1019·1	−8	WSW	2	c	68	45	7	5	8	–	4·6	7·8	1500	1	*
	Upper Heyford	1019·4	−4	NW	2	2o	68	65	6	–	3	4	0	9	–	0	*
4	Ross-on-Wye	1018·7	−10	SW'W	3	c	69	65	7	2	5	9	2·3	7·8	4000	1	*
5	Bristol ...	1020·0	−6	W	2	bc	66	65	8	1	3	9	Tr	4·6	4000	0	*
	Portland Bill ...	1019·8	−10	W	2	bc	62	85	8	1	–	–	4·6	4·6	2500	0	2
	Plymouth ...	1020·2	−6	W'S	3	bc	65	75	8	1	9	8	Tr	4·6	2500	0	2
	The Lizard ...	1020·4	−8	WNW	1	c	63	65	8	8	6	–	7·8	9	2500	0	1
	Scilly (St.Mary's)	1021·0	−10	WSW	2	c	63	75	8	5	7	–	2·3	7·8	4000	0	1
	Guernsey ...	1020·6	−6	NNW	2	c	65	65	8	5	7	1	2·3	7·8	4000	0	2
6	Pembroke ...	1019·0	−8	SW	2	c	60	85	8	5	–	–	9+	9+	2500	0	1
7	Holyhead ...	1018·5	−12	SW'S	4	c	58	75	9	9	7	3	Tr	9+	2500	1	2
	Chester(Sealand)	1018·4	−16	NW'W	1	c	67	65	9	4	3	–	7·8	7·8	4000	0	*
8	Manchester ...	1016·7	−16	–	0	c	67	65	7	–	3	–	0	9	–	0	*
10	Spurn Head ...	1018·7	−10	SE'E	2	bc	60	92	7	7	5	–	2·3	4·6	4000	0	1
	Catterick ...	1018·3	−10	W	1	c	66	55	9	9	5	6	1	7·8	4000	0	*
	Tynemouth ...	1017·5	−8	SE	2	bc	58	85	7	2	–	1	4·6	4·6	2500	0	1
11	St. Abbs Head	1017·7	−12	SE	3	bc	56	92	8	1	6	2	2·3	4·6	4000	0	2
	Leuchars ...	1016·8	−18	SE	3	bc	61	65	8	5	4	4	1	4·6	4000	0	*
12	Renfrew (Abbots L.)	1016·6	−14	SW'W	3	ir₀	60	75	8	1	7	–	4·6	10	4000	0	*
	Eskdalemuir ...	1017·5	−12	SW'S	4	c	59	65	8	5	9	6	1	7·8	2500	0	*
	Point of Ayre...	1018·2	−14	S'W	3	c	60	85	8	2	2	–	Tr	10	2500	0	1
13A	Tiree	1012·9	−20	S	5	rr	56	92	6	–	2	–	10	10	800	1	3
13B	Stornoway ...	1012·0	−20	SSE	6	rr	53	92	7	5	2	–	7·8	10	1500	1	3
15	Dalwhinnie ...	*	−10	SW	4	c	56	65	8	–	2	8	0	10	–	0	*
	Aberdeen ...	1016·2	−18	S'E	3	c	59	75	7	5	4	6	Tr	7·8	2500	0	1
	Wick ...	1014·4	−24	SSE	3	c	57	85	8	5	1	3	4·6	7·8	1500	1	2
16	Lerwick ...	1016·9	−12	S	4	c	55	85	8	5	8	–	4·6	9	1500	0	*
17	Blacksod Point	1010·9	−36	S	6	RR	58	97	6	6	–	–	10	10	450	2	4
18	Malin Head ...	1013·0	−36	S	3	c	57	97	7	8	2	–	7·8	10	1500	1	2
	Aldergrove ...	1016·1	−18	S	3	c	59	75	9	5	7	–	7·8	10	2500	1	*
19	Birr Castle ...	1016·4	−22	SW	1	c	60	75	8	8	1	–	7·8	10	1500	1	*
20	Valentia Obsy. †	1016·2	−22	S'W	5	r₀r₀	59	92	6	6	–	–	10	10	800	1	3
	Roches Point	1018·6	−18	WSW	3	c	60	85	8	8	7	3	4·6	7·8	1500	1	3

PAST 24 HOURS.

Weather. 7h.–13h. 20th. (37)	13h.–18h. 20th. (38)	18h. 20th. to 1h. 21st. (39)	1h.–7h. 21st. (40)
bm,bcy	bcyc	ccz₀	cz₀bcz₀
bz,bczy	bczcz₀	cz,bcmw	bcwcm₀
bbczy	z,bcy	bcw	bcwcbc
bbcy	bcy	bcc	c
bbcy	bcy	bcybw	bcwcm₀
cbc	bccz₀	cz,bccm	ofm
cm₀r₀bbbbbc		com cm₀	om₀cm₀
cm₀cbc	bc	bcwcm₀	cm₀
cpr₀c	cbc	bcc	ccm₀
cbc	bccbc	bc	bcc
pm₀cz₀bc	bccpr₀bc	bc	cm₀om
bcbmg hail	c	ccm₀	cmcm₀
bc	cbc	bcc	c
bm,bcy	bcycz	cz₀m₀	cm₀pr₀
bbcy	bcycy	c	c
bm,bc	bc	bccw	c
bc	bc	bcc	c
bcyc⊕	c⊕cbc	bcc	cm₀c
cbcc	c	cbcc	cbc
c	c	c	c
bbc	bcc	bccw	cwc
c	c	cq	cwmyrr Ef
bccc⊕	cpr₀c	c	irRc
bcyz₀	bcyc	cr₀	cir₀
ofFbc	bccy	c	cm₀c
c	cbc	cw	c
bccy	bybcy	c	cm₀r₀
bcc	cbc	bccp₀	cp₀
c	cbc	c	cir
cwc	cybc	bccr₀	cr₀irr₀
c	cir₀	cir₀	cm₀RRd
cwc	cbc	cpr₀c	cerr
bcc	c	r₀rc	cRrr
c	cbc	orrR	rRir
f	gr₀r₀	rrrr₀m₀	crr
bc	bc	•	ciR
bcvcv	cvbc	cbcc	crrr₀
c	c	c	r₀ir₀
c	c	c	c
iDr	rrq	iDr	Rreq
cir₀	circ	ciRc	ciRc
c	cir₀c	cr₀d₀c	RRcd,Rc
cpr	cprc	c	cir
r₀r₀irc	cr₀r₀	cr₀r₀rr	rrircpr
cir₀¢	cir₀c	c	ddrrbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r₀, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

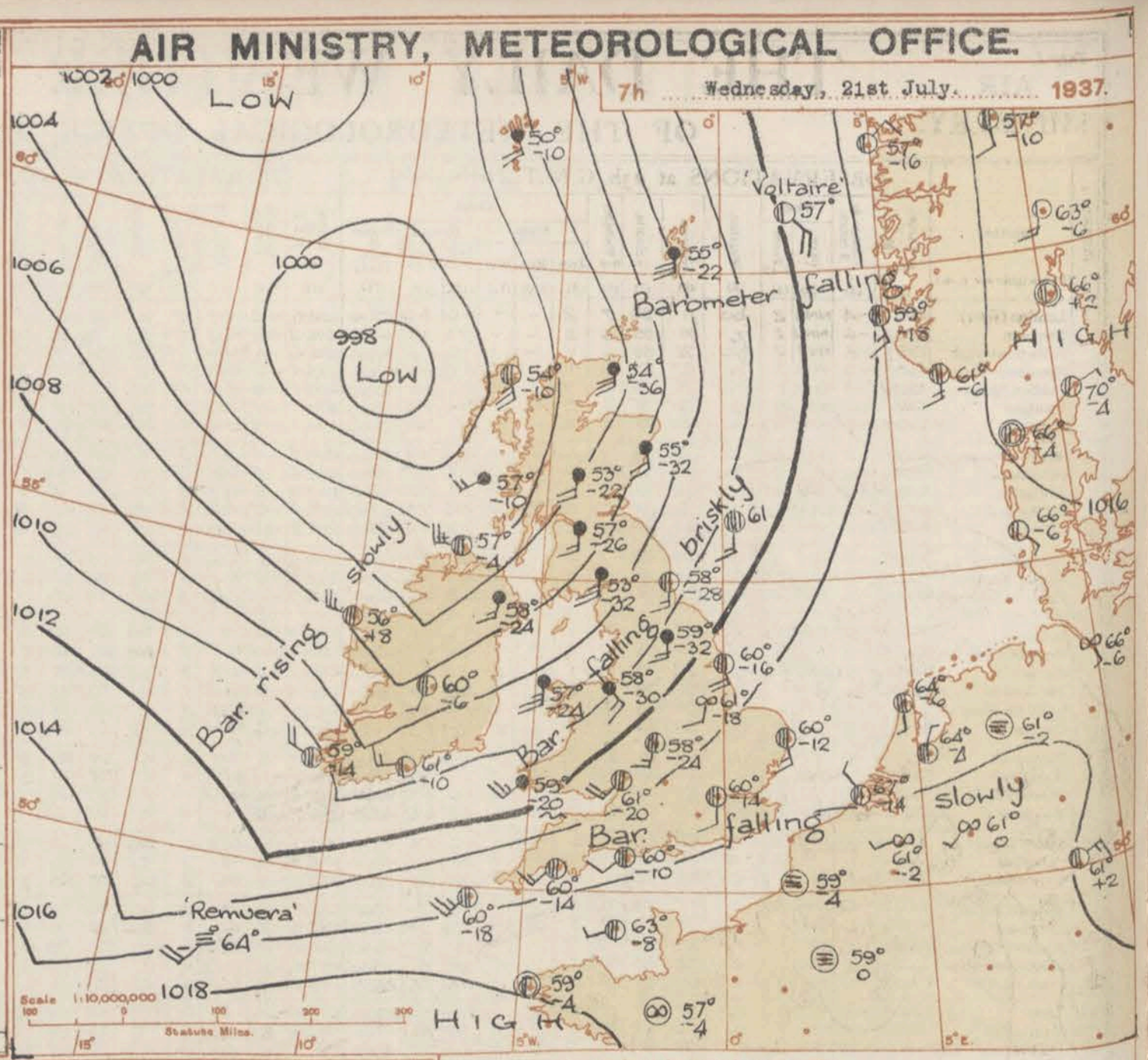
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 20th July, 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 19th to 9h. 20th	Temperature (°F.) Max. 9h.—17h. 20th	Rainfall (mm.) Night. 17h. 19th to 9h. 20th	Rainfall (mm.) Day. 9h.—17h. 20th	Sunshine (Hrs.) Sunrise to 17h. 20th	Sunshine (Hrs.) Sunrise to Sunset, 19th
1	Tunbridge W.	bc	bc	57	75	0·5	–	7·9	0·2
	Bournemouth	b	b	56	74	–	–	10·8	1·6
	Ventnor ...	b	b	54	72	–	–	11·8	3·5
	Southsea ...	b	b	55	75	–	–	12·0	2·1
	Bognor Regis	b	bbc	56	69	–	–	10·7	1·4
	Littlehampton	b	bbc	55	71	–	–	11·8	1·0
	Worthing ...	b	b	55	73	–	–	11·3	0·4
	Brighton ...	b	bc	57	72	–	–	9·6	0·6
	Eastbourne† ...	bc	bc	60	73	–	–	10·0	0·6
	Hastings† ...	bbc	bc	60	70	–	–	7·2	0·8
	Folkestone ...	bzc	dbcb	62	69	Trace	Trace	4·1	0·0
	Dover ...	cbc	bc	62	71	Trace	–	7·0	0·1
	Deal	ocb	b	60	71	Trace	–	7·1	0·1
	Ramsgate ...	cbcb	b	61	67	2	–	7·7	0·0
	Margate ...	cbc	bc	61	67	1	–	7·6	0·1
2	Southend ...	cbc	cbcb	59	73	3	–	6·2	0·4
	Maldon ...	c	cbc	59	73	8	–	4·0	0·2
	Clacton-on-Sea	cbcbc	cbcc	59	67	8	Trace	1·9	0·2
	Dovercourt ...	bcc	ocbcc	60	70	5	–	4·4	0·0
	Lowestoft ...	cbcb	b	59	68	11	–	5·6	0·0
	Skegness ...	cbc	bcb	56	65	0·3	–	7·1	0·1
	Mablethorpe...	bc	bcc	54	64	Trace	–	5·2	0·5
	Cleethorpes ...	cbc	bc	56	65	0·5	–	3·3	0·0
3	Leamington S.	cbc	bcc	52	71	–	–	8·0	0·7
4	Cheltenham†	wbc	bcc	49	73	–	–	9·2	2·3
5	Bath	bbc	bccbc	49	72	–	–	6·0	3·7
	Weymouth ...	b	bbcb	54	72	–	–	10·7	2·8
	Jersey ...	bc	bbc	56	71	–	–	12·0	3·6
	Torquay ...	b	bcy	54	70	–	–	10·7	7·0
	Penzance ...	bbcc	cbcc	55	70	–	–	5·8	9·6
	St. Ives ...	b	c	56	66	–	–	8·4	11·1
	Bude... ...	bc	bc	57	65	–	–	8·9	8·5
	Ilfracombe ...	bcbbc	cbc	55	65	–	–	4·0	7·5
6	Aberystwyth	bc	bcc	50	66	–	–	9·5	8·9
7	Llandudno ...	bcc	cbcc	52	66	–	–	7·5	8·5
	Colwyn Bay...	bcc	cbcc	52	64	–	–	7·6	9·1
	Rhyl	bcb	bcc	51	68	–	–	9·2	8·8
8	Wallasey ...	bbc	bcc	57	67	–	–	10·6	8·2
	Southport ...	bbv	bcvc	54	68	–	–	10·8	8·7
	Blackpool ...	b	bbcc	57	67	–	–	11·2	9·2
	Morecambe ...	b	bbc	56	67	–	–	11·6	9·2
9	Ilkley... ...	bc	bbc	48	71	–	–	7·6	5·0
	Harrogate ...	cbc	bbc	48	69	–	–	8·2	4·1
10	Berwick-on-T.	bcc	cbc	50	61	–	–	6·6	10·4
11	Dunbar ...	bc	bc	49	62	–	–	4·7	12·1
12	Troon... ...	cbcc	bcc	54	62	Trace	–	2·4	6·7
	Douglas ...	bcpc	cb	49	62	–	Trace	8·3	8·3

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate southwest winds, veering west later; mainly cloudy, occasional rain, probably of a thundery type later; average temperature rather close.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Moderate or fresh southwest winds, veering northwest or west; cloudy, occasional rain, probably of a thundery type, becoming fairer later; average temperature, rather close at first.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Fresh southwest winds, veering northwest or west; cloudy, dull at times with periods of rain probably of a thundery type but becoming fairer later; rather cool.
12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B.N.W.Scotland.	Fresh westerly or northwesterly winds, strong at times; mainly fair apart from showers; rather cool.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	As 8 - 11.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh west or northwest winds; mainly fair apart from showers; rather cool.

C.S.D.

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

GENERAL INFERENCE.

A depression northwest of Scotland is moving north. Rain will occur in most districts at first but fairer conditions though with local showers will spread from west later.

FURTHER OUTLOOK.

Mainly fair.

Time of issue of Gale Warning.

South Cone hoisted in district 16 at 0435.

Forecasts issued at 1010 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
WEDNESDAY, 21ST JULY,
1937.

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 800

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 21st July, 1937.

No. 27635.

OBSERVATIONS at 1 hr. G.M.T. 21st July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1018·1	-6	S'W	1	Z_o	57	97	5	-	3	-	0	4·6	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1019·0	-6	ESE	2	f	57	97	3	-	-	-	10	10	<150
	Manston ...	142	1018·8	-6	ESE	2	Z_o	59	97	6	5	-	-	10	10	450
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018·5	-4	SE'E	3	bc	59	97	7	5	-	-	4·6	4·6	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1018·4	-6	ENE	2	c	58	75	8	4	4	-	4·6	7·8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1019·5	-10	-	0	c	56	92	8	4	6	-	4·6	7·8	2500
	Scilly (St. Mary's)	163	1018·7	-18	SW	3	c	59	85	8	5	7	-	4·6	9+	2500
	Guernsey ..	175	1019·8	-8	-	0	c	57	85	8	1	7	8	2·3	7·8	4000
6	Pembroke ...	142	1016·4	-14	W	4	q	59	85	8	5	2	-	7·8	9+	2500
7	Holyhead ...	26	1014·5	-22	SSW	4	c	58	85	8	5	2	-	4·6	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017·1	-14	S'E	4	c	59	97	6	5	1	-	9	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1015·4	-14	SW	2	c/pr	58	85	6	-	2	-	10	10	800
11	St. Abbs Head	280	1013·6	-20	S	3	c	56	85	9	4	2	-	7·8	9+	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1013·9	-24	SW	4	c	57	85	8	-	2	-	0	10	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1006·2	-22	SSE	6	r.r.	53	97	5	5	2	-	9	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1009·9	-20	S	3	c	55	92	7	5	2	-	7·8	9+	1500
16	Lerwick ...	156	1012·9	-20	SSE	5	c	55	92	8	8	2	-	7·8	9+	800
17	Blacksod Point	18	1006·0	-20	W	4	id	59	92	7	6	-	-	10	10	450
18	Malin Head ...	84	1005·8	-42	S'E	4	c	59	92	7	9	-	-	9+	9+	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1010·0	-14	S	4	rf	59	97	3	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 21st July

District	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility. 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	1015·4	-16	SSW	2	Z_o	63	75	6	-	7	-	0	7·8	-	1	*
	1015·7	-14	S	2	c	60	85	6	-	3	-	0	7·8	-	0	*
	1015·4	-12	S	1	c	60	75	7	-	9	-	0	7·8	-	1	*
	1015·5	-18	S'E	3	c	54	92	7	5	3	-	4·6	7·8	7200	0	*
	1016·5	-19	SSE	1	c	60	86	8	5	7	-	1	7·8	4000	0	1
	1016·8	-14	S'W	2	Z_o	61	97	5	5	9	-	4·6	9	220	0	1
	1015·9	-12	S'E	3	Z_o	60	92	5	5	7	-	4·6	9+	450	1	*
2	1016·0	-16	SSW	2	c	61	92	6	5	3	-	2·3	9+	1500	1	*
	1016·0	-16	S'W	3	Z_o	62	85	6	5	2	-	9	10	1500	0	2
	1015·8	-12	SSE	3	c	60	85	7	5	-	-	9+	9+	2500	0	2
	1014·7	-16	S	2	Z_o	61	92	6	5	3	-	4·6	9	800	1	*
	1013·0	-18	SSW	2	Z_o	61	85	6	5	3	-	4·6	9	4000	1	*
3	1013·0	-24	SSW	3	c	58	75	8	-	7	-	0	9+	-	1	*
	1015·2	-14	SSW	2	c/pr	57	85	6	-	7	-	0	9	-	0	*
4	1013·4	-20	SW'S	4	c	61	75	7	5	7	-	1	9	4000	1	*
5	1014·9	-14	SSW	3	c	59	75	8	5	3	-	2·3	7·8	4000	0	*
	1015·8	-10	SW	2	c	60	85	8	4	4	-	7·8	10	2500	0	2
	1015·9	-14	SW	3	c	60	92	7	5	7	-	4·6	10	5700	0	1
	1015·6	-14	SW	4	bc	60	85	8	8	6	-	4·6	4·6	2500	0	2
	1015·1	-18	SW	5	jp	60	85	8	8	7	-	4·6	9	1500	0	3
	1018·0	-8	WSW	1	c	63	75	8	-	7	-	0	7·8	-	0	1
6	1010·7	-20	SW	5	rr	59	92	4	5	-	-	10	10	800	1	4
7	1008·0	-24	S'W	5	RR	57	97	5	6	2	-	7·8	10	450	1	3
	1010·4	-30	SE	3	ir.	58	85	8	6	7	-	4·6	10	1500	0	*
8	1010·8	-40	S'E	3	c	60	75	7	5	7	-	4·6	9+	1500	0	*
10	1012·5	-16	S'E	4	c	60	97	6	6	2	-	7·8	10	2500	0	3
	1009·8	-32	S	3	ir.	59	75	6	5	7	-	4·6	10	1500	0	*
	1009·3	-28	S	3	c/pr	58	85	6	5	-	-	9	9	1500	0	0
11	1006·9	-20	SSE	3	c	56	85	8	4	2	-	7·8	9+	1500	0	2
	1007·0	-22	SE	2	ir.	56	85	7	5	2	-	7·8	10	2500	1	*
12	1006·1	-26	S	3	dd	57	97	6	6	2	-	7·8	10	800	1	*
	1007·4	-32	S	5	rr	53	85	6	5	2	-	7·8	10	800	1	*
	1006·3	-38	SSW	5	rr	57	97	7	6	-	-	10	10	800	1	3
13A	1000·9	-10	SWH	3	r.r.	57	97	6	-	2	-	10	10	800	1	3
13B	1000·5	-10	SSE	5	c/r	54	97	7	5	7	-	4·6	9+	1500	1	3
15	1004·3	-22	S	4	rc	53	85	7	4	5	-	7·8	10	2500	1	*
	1006·8	-32	SSE	4	ir.	56	85	8	5	7	-	2·3	9+	1500	1	2
	1003·5	-36	S	6	ir.	54	97	7	9	2	-	7·8	10	800	1	3
16	1008·1	-22	S	6	pr.	55	92	7	8	7	-	7·8	9+	800	1	*
17	1005·7	+8	W	5	c	56	85	8	9	-	-	7·8	7·8	1500	1	3
18	1002·1	-4	W	4	c/d	57	97	6	9	2	-	7·8	9	1500	1	2
	1003·8	-24	S'W	3	r.r.	58	97	6	6	2	-	9	10	450	1	*
19	1006·9	-6	SSW	1	c/r	60	97	7	5	-	-	10	10	2500	1	*
20	1010·8	+14	WNW	4	c/pr	59	92	8	8	-	-	9+	9+	1500	1	3
	1008·8	-10	W'S	3	bc	61	97	8	5	-	-	4·6	4·6	800	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h ins. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine Hrs. (36)
1	London (Kew)	73	59	53	-	-	9·4
	Croydon ...	75	57	54	-	-	10·0
	S. Farnborough	75	52	48	-	-	12·9
	Boscombe Down	69	51	48	-	-	10·9
	Calshot (Sthmtn.)	76	53	50	-	-	14·2
	Lympne ...	69	57	54	-	-	5·6
	Manston ...	69	57	56	Tr	-	7·4
2	Shoeburyness ...	70	59	58	-	-	6·9
	Felixstowe ...	68	59	57	Tr	-	5·4
	Gorleston ...	67	58	56	-	-	9·4
	Mildenhall ...	72	57	54	Tr	Tr	3·3
	Cranwell ...	69	55	48	-	-	6·5
3	Birmingham ...	69	56	54	-	-	8·2
	Upper Heyford	71	53	49	-	Tr	*
4	Ross-on-Wye	72	57	56	-	-	10·5
5	Bristol ...	69	54	48	-	-	11·3
	Portland Bill ...	67	57	*	-	-	*
	Plymouth ...	70	55	50	-	-	12·1
	The Lizard ...	69	54	*	-	-	*
	Scilly (St. Mary's)	68	56	*	-	-	3·4
	Guernsey ..	68	54	50	-	-	12·3
6	Pembroke ...	63	56	*	-	9	6·8
7	Holyhead ...	65	56	56	Tr	7	6·6
	Chester (Sealand)	70	57	56	-	Tr	9·4
8	Manchester ...	69	57	55	-	-	7·1
10	Spurn Head ...	66	58	*	-	Tr	4·4
	Catterick ...	69	55	56	-	Tr	7·8
	Tynemouth ...	62	57	52	-	0·1	5·8
11	St. Abbs Head	60	53	*	-	0·4	*
	Leuchars ...	65	54	49	-	2	6·3
12	Renfrew (Abbots L.)	64	55	53	Tr	5	2·3
	Eskdalemuir ...	63	53	52	-	Tr	2·8
	Point of Ayre ...	65	65	*	-	6	5·2
13A	Tiree	60	54	53	1	12	1·9
13B	Stornoway ...	58	53	*	1	7	1·3
15	Dalwhinnie ...	61	50	49	-	5	1·4
	Aberdeen ...	61	53	51	-	5	4·7
	Wick ...	60	54	*	-	2	*
16	Lerwick ...	57	54	*	-	Tr	1·2
17	Blacksod Point	59	53	*	10	14	*
18	Malin Head ...	58	54	*	3	5	1·3
	Aldergrove ...	62	55	55	Tr	11	1·3
19	Birr Castle ...	62	58	56	1	4	0·0
20	Valentia Obsy. †	61	58	57	1	11	0·0
	Roches Point	65	58	*	0·4	6	*

LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h. Kensington.
9h—21h. other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
Kew	18	bm, bcy	bc, y c	cc,	73	59	53	-	-	9·4	•	•	8
Croydon	217	bc, bc, y	bc, c,	c, bc,	75	57	54	-	-	10·0	•	•	7
Greenwich (Royal Observatory) ...	149	bc,	c,	c	74	56	45	-	-	6·3	53	61	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	8·4	•	•	*
Westminster (St. James' Park) ...	27	*	*	*	74	61	58	-	-	7·8	59	57	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	75	61	58	-	-	9·6	61	56	*
Camden Square	110	b	cbc	*	76	61	57	-	-	*	At 18h. 56		*
Kensington	80	bc	bc	*	74	60	52	-	-	7·3	55	60	*
Hampstead Observatory	450	b	b	bcp	72	58	43	-	Tr	8·8	•	61	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

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

Kew Observatory. Max.	Time.	Min.	Time.
0·2	21h 20th	0·1	15h 20th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 20th July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 21st July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1017·8	WNW	2	bc	77	1017·9	-	0	m	59
Brussels	1017·1	N	3	bc	72	1016·9	WSW	1	Z_o	61
Berlin	1016·0	NW	2	c	77	1015·9	NE	1	Z_o	70
Zürich	1015·5	ESE	2	c	70	1017·5	SE	1	Z_o	61
Rome						1013·7	SSW	1	b	73

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
79	55	-	-
75	41	-	-
82	63	-	-
84	?	-	-
*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

THE DAILY WEATHER REPORT

AIR MINISTRY.

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 22nd July, 1937.

No. 27636.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 21st July: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	OBSERVATIONS at 18h. G.M.T. 21st July: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)	PAST 24 HOURS. Weather. 7h.—18h. 21st. (37)	13h.—18h. 21st. (38)	18h.—1h. 21st to 22nd (39)	1h.—7h. 22nd (40)
1	London (Kew)	1012.0	-12	SW	4	ir.	67	65	8	1	7	–	Tr	10	2500	1009.8	-20	SSW	3	c	62	85	7	5	–	–	10	10	1500	1	*	bcz.cr.	r.r.cr.c	cbc	bc
	Croydon ...	1012.3	-14	SW	4	c/r	66	65	8	5	7	–	2-3	9+	4000	1010.2	-18	SW'S	4	c	60	85	7	5	–	–	7-8	10	800	1	*	ccpr.	or.r.	cbccw	bcwbcc
	S. Farnborough	1012.3	-16	SW'S	4	ir.	64	65	7	5	7	–	1	10	2500	1009.9	-16	SW	3	c	61	82	6	5	–	–	9+	9+	800	1	*	bccir.	cr.r.rid.c.m.bbc		bcbwcbc
	Boscombe Down	1012.6	-14	SW'S	4	r.r.	58	75	7	6	2	–	4-6	10	1500	1009.7	-18	SW'W	4	c	64	85	8	9	–	–	7-8	7-8	800	1	*	cr.r.	cr.r.c	cb c	bcd.c
	Calshot (Sthmtn.)	1013.5	-14	SW'W	4	c/pr	64	75	7	8	7	–	4-6	10	2500	1011.4	-14	SW	4	c/d	61	97	5	1	2	–	10	10	450	1	3	cpr.	cr.d.m.	bcb	bcc
	Lympne ...	1013.2	-20	SW	3	c	67	65	8	5	7	–	4-6	9+	4000	1012.0	-6	SW'W	3	c/r	56	85	8	5	7	–	7-8	9+	2500	1	3	cbcc	cir	cod.d.mccb	
	Manston ...	1012.2	-22	SSW	4	c/pr	60	65	67	5	7	–	4-6	4-6	2500	1010.5	-10	WSW	4	ir.	60	75	7	5	7	–	4-6	10	1500	1	*	bcycpcc	ccpr.ir	rccbccw	cwbcb
2	Shoeburyness ...	1012.3	-18	SW'S	4	ir.	67	65	8	5	7	–	7-8	10	2500	1010.6	-10	SW'S	4	c/r	60	85	8	6	7	–	7-8	9+	1500	1	*	cm.ir.c	ir.c	cbw	bwb
	Felixstowe ...	1011.6	-22	S	4	ir.	68	65	6	5	7	–	7-8	10	1500	1009.9	-10	SSW	4	c	60	85	7	5	2	–	7-8	10	1500	1	2	cm.cir.	cir.c	cbcb	bbc
	Gorleston ...	1011.4	-20	SSE	4	c	65	85	6	5	–	–	10	10	2500	1008.4	-16	S'W	3	o/r	59	85	6	6	–	–	10	10	1500	1	2	cqz.	or.r.	cbcc	cbc
	Mildenhall ...	1011.4	-10	SW	4	rr	61	75	6	6	2	–	4-6	10	1500	1007.9	-16	SSW	4	z.	60	92	6	6	7	–	2-3	9	1500	1	*	cz.ir.rr	ez.rrrr	cbc	bcw
	Cranwell ...	1008.8	-10	SSW	3	rr	56	97	7	6	–	–	9	10	800	1006.3	-18	SSW	3	bc	63	85	8	8	–	–	4-6	4-6	2500	1	*	cbrr	r.r.dir.c	pr.	c
3	Birmingham ...	1003.5	-20	SSW	4	ir.	56	97	6	6	–	–	10	10	800	1006.9	-8	W	3	c	64	85	7	8	–	–	7-8	7-8	1500	1	*	corr	ir.bc	bc	bc
	Upper Heyford	1012.0	-10	SW	3	r.r.	55	92	6	6	7	–	4-6	10	1500	1008.4	-18	SW	4	c	62	85	8	5	4	–	7-8	7-8	1500	1	*	cm.r.r	cr.m.c	cbc	bcc
4	Ross-on-Wye	1010.0	-16	SSW	4	c	60	85	7	5	4	–	9	9+	1500	1008.2	+8	W	5	bc/pr	66	65	8	8	–	–	4-6	4-6	4000	1	*	corc	cbccp.	bcc	c
5	Bristol ...	1011.4	-18	SSW	3	id.	58	92	7	5	2	–	4-6	10	800	1009.8	-2	WSW	4	bc	63	85	8	5	4	–	4-6	4-6	1500	1	*	cr.d.r	cr.Dbc	bc	bcpr.
	Portland Bill ...	1012.6	-20	SW	5	pr	60	92	6	5	–	–	10	10	1500	1010.6	+8	W	4	c	62	85	7	4	–	–	7-8	7-8	2500	1	4	cprz.	proff	c	c
	Plymouth ...	1012.4	-18	SW'S	4	dd	60	97	5	–	2	–	10	10	220	1012.4	+4	W'N	5	c	63	75	8	7	–	–	7-8	7-8	2500	1	2	cr.rdd	odd.m.bbcbbc		bccpr.
	The Lizard ...	1013.1	-8	NSW	5	df	61	97	2	5	–	–	10	10	450	1014.0	+6	W'N	5	bc	61	75	8	8	4	–	4-6	4-6	1500	0	3	FFr	dfcbc	bcc	c
	Scilly (St.Mary's)	1013.4	+2	WNW	4	bc	61	97	7	2	6	4	2-3	4-6	2500	1014.8	+10	WNW	5	c	61	75	8	5	6	–	4-6	7-8	2500	0	3	dfdfc	bcc	cbcc	c
	Guernsey ...	1015.6	-10	W'S	4	c	64	75	8	8	–	–	9+	9+	2500	1013.9	-12	W	5	d.d.	62	97	5	5	–	–	10	10	1500	0	3	cbcc	cod.	od.bc	cpr.
6	Pembroke ...	1006.8	-8	W	5	q	60	97	7	5	–	–	9+	9+	1500	1003.3	+4	W	5	q	60	75	7	5	–	–	2-3	2-3	4000	1	3	cqikm.c	cbcbq	cq	cq
7	Holyhead ...	1006.5	+2	W	5	c	62	75	8	8	4	–	7-8	7-8	2500	1006.6	+2	W'S	5	bc	60	75	5	7	4	–	4-6	4-6	4000	1	3	RRfbc	c.bc	pr.bc	bcc
	Chester(Sealand)	1006.4	-16	SW	3	PR	66	75	6	6	–	–	9	9	1500	1006.6	+2	W	4	c	64	55	8	8	–	–	7-8	7-8	4000	0	*	crr.bcPRc	cPRbcy	bc	bc
8	Manchester ...	1006.5	-26	S'W	4	ir.	61	85	6	5	7	–	7-8	10	1500	1006.1	+2	W	4	bc	62	65	8	8	3	–	4-6	4-6	2500	1	*	crRRc	cRprbc	bcc	ccprq
10	Spurn Head ...	1005.3	-12	SSW	5	rr	57	97	6	5	–	–	10	10	800	1005.4	-20	SSW	4	c	61	92	7	5	6	–	4-6	7-8	2500	1	3	crro	orrc	cbcc	cq
	Catterick ...	1005.4	-24	SE	3	ir.	55	97	6	6	2	–	9	10	800	1003.5	-4	NSW	4	bc	62	65	9	7	–	–	4-6	4-6	4000	1	*	rrir.m.	r.m.cbc	bcc	cpr.bc
	Tynemouth ...	1005.3	-24	S	3	c/r	53	65	6	–	2	–	9+	9+	800	1002.4	0	W	3	c/pr	62	65	8	2	–	–	7-8	7-8	1500	1	1	corr	cpc	bcc	bc
11	St Abbs Head	1002.4	-20	S	4	c/r	61	92	7	3	8	–	2-3	9	1500	1000.3	0	WNW	4	c	60	75	8	8	7	9	7-8	9	1500	1	3	crr	crr	c	cz.
	Leuchars ...	1001.1	-22	S	3	ir.	59	85	6	5	–	–	10	10	800	999.7	-2	SW	4	c	60	75	8	8	5	–	4-6	9	1500	1	*	cirir.	cr.bcc	c	cv.bc
12	Renfrew (Abbots I.)	1001.6	-6	WSW	5	c	62	75	8	8	–	–	9+	9+	1500	1001.0	-6	SW	5	pr	58	75	5	9	–	–	9+	9+	1500	1	*	cd.d.RRrc	cpr.bc	cpr	cprbcc
	Eskdalemuir ...	1001.8	-30	WSW	4	ir.	59	92	7	5	–	–	10	10	800	1001.6	-2	SSW	4	pr	58	75	8	6	–	–	9+	9+	1500	1	*	cRrRrr	cbcpr.	prc r.r.	r.r.bcc
	Point of Ayre...	1004.0	-4	WN	5	c	62	85	8	8	–	–	9+	9+	1500	1004.0	0	W	5	bc	61	75	8	4	4	–	4-6	4-6	4000	1	3	orrc	cbc	cprcc	c
13A	Tiree	1000.2	0	W'S	4	c	53	85	8	8	7	–	4-6	9+	1500	996.5	-8	SW'W	4	c	55	92	8	8	3	–	4-6	7-8	1500	1	3	cpr	cpr.	cpr.	cpr.
13B	Stornoway ...	998.2	-2	SSE	8	c	61	75	8	5	7	–	4-6	7-8	2500	997.4	-2	S	4	c	57	75	8	3	7	5	4-6	7-8	1500	1	2	rrr.r.c	cpr.pr.	pr.c	cpr.
15	Dalwhinnie ...	999.5	-18	W	3	r	58	85	6	4	6	–	9	10	2500	999.7	0	SSW	2	c	54	75	8	4	2	–	2-3	10	2500	1	*	cir	ir.o		ciro
	Aberdeen ...	1001.6	-26	S'E	4	RR	54	97	6	6	–	–	10	10	450	998.3	-24	SSE	2	bc	57	92	6	8	3	3	4-6	4-6	2500	1	2	ir.R	R.bc	Bcz.c	cbcc
	Wick ...	998.9	-16	S	5	c	57	92	7	5	1	–	7-8	10	1500	997.2	-20	S	4	c	55	97	6	5	–	–	10	10	1500	1	2	rrirc	cr.r.c	rrcr.	cpr.c
16	Lerwick ...	1003.5	-24	SE	6	c/r	55	97	7	5	2	–	7-8	10	450	1001.4	-16	S	6	rr	54	97	6	8	2	–	9	10	450	1	2	crr	crrm.	errm.	f.Fem.
17	Blacksod Point	1006.2	0	W	6	c	58	85	8	9	–	–	10	10	1500	1006.7	+6	W	6	bc	58	85	8	9	–	–	4-6	4-6	1500	1	3	PRcq	PRcq	PRcq	PRcq
18	Malin Head ...	1002.0	-2	W	4	c	59	92	7	2	5	–	2-3	7-8	2500	1000.5	-18	W	5	c/p	56	97	7	9	–	–	7-8	7-8	1500	1	3	cpr	cpr	cpr	cpr
	Aldergrove ...	1003.8	+2	WSW	4	c/pr	61	75	9	8	3	–	7-8	9+	1500	1003.3	-2	WSW	5	c/pr	56	75	8	8	–	–	9+	9+	1500	1	*	r.dbc.pr.	ccpr.c	ccr.c	ccr.c
19	Birr Castle ...	1006.1	+8	W	3	c	59	65	8	3	3	–	2-3	9	1500	1008.4	+4	W	3	c/pr	58	85	8	8	–	–	7-8	7-8	1500	1	*	circ	cpr	cprc	c
20	Valentia Obsy. †	1013.3	+6	WNW	5	c/pr	60	75	8	8	–	–	9	9	1500	1014.1	+6	WNW	4	cpr	56	85	8	8	–	1	7-8	9	1500	1	3	cpr.c	cpr.c	cpr.	cpr.
	Roches Point	1010.5	+10	NW	5	bc	64	65	8	2	–	–	4-6	4-6	2500	1011.9	+6	NW	4	c	60	75	8	5	–	–	7-8	7-8	1500	0	2	bc	bcc	cpr.c	cic.c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
ip, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r., slight rain. rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

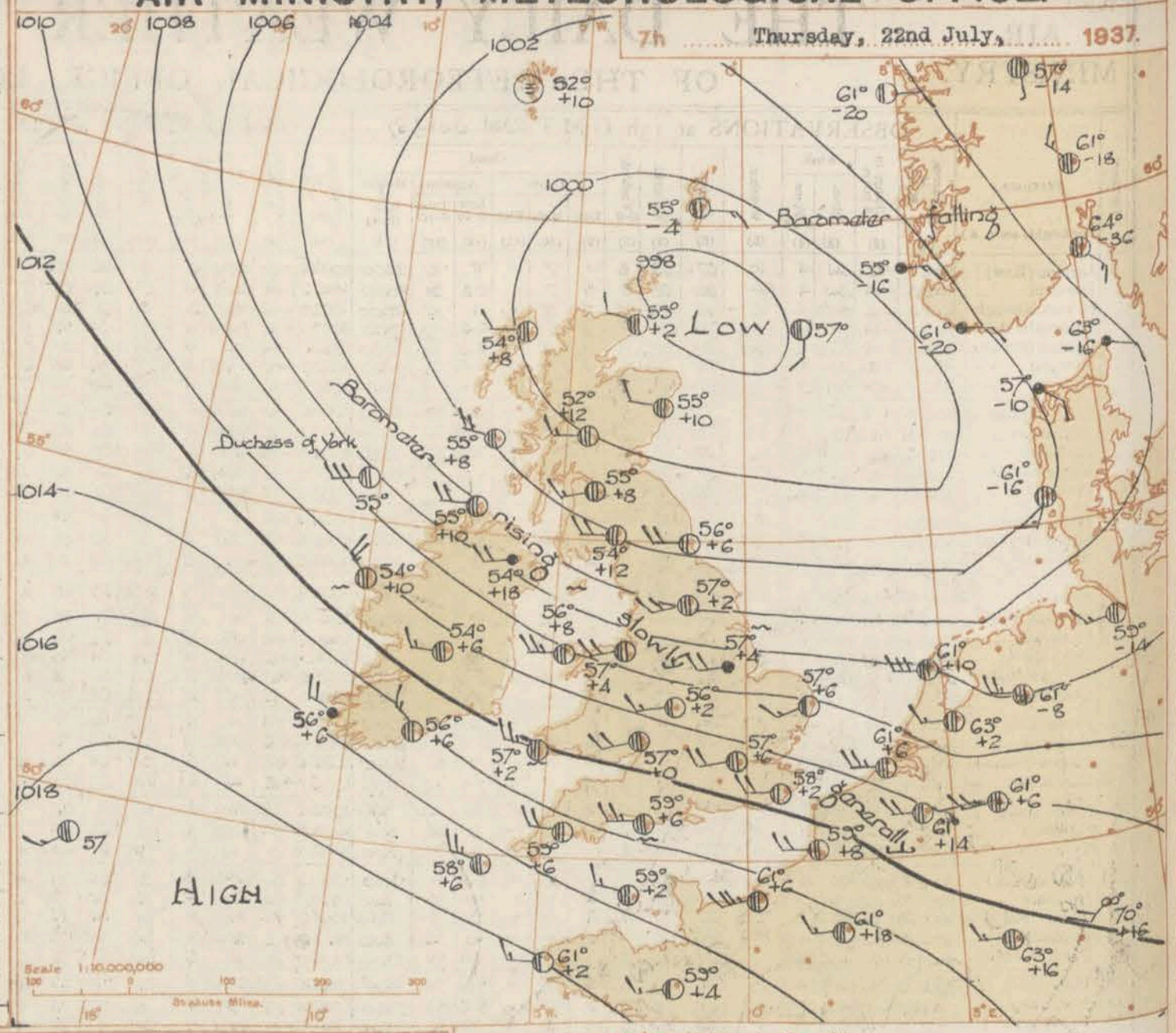
REPORTS from HEALTH RESORTS for 21st July 1937.

Districts	Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 21st to 9h. 21st.	Temperature (°F.) Max. 9h.—17h. 21st.	Rainfall (mm.) Night. 17h. 20th to 9h. 21st.	Rainfall (mm.) Day. 9h.—17h. 21st.	Sunshine (Hrs.) Sunrise to 17h. 21st.	Sunshine (Hrs.) Sunrise to Sunset. 20th.
1	Tunbridge W.	bcc	obc	55	70	—	Trace	2.2	7.9
	Bournemouth	co	or.o	53	67	—	0.8	0.9	12.4
	Ventnor ...	c	orom	58	65	—	0.3	1.5	13.3
	Southsea ...	bcco	oid.o	57	61	—	Trace	0.9	14.0
	Bognor Regis	bcc	coor	57	65	—	Trace	2.0	12.0
	Littlehampton	c	cirod	55	66	—	0.1	1.9	13.5
	Worthing ...	bccbc	cr.	57	69	—	Trace	2.3	13.1
	Brighton ...	cbc	od	52	66	—	Trace	2.8	11.3
	Eastbourne† ...	bcc	cop.oc	53	68	—	0.2	3.2	10.4
	Hastings† ...	cbcc	ccpd.	53	67	—	Trace	2.7	8.9
	Folkestone ...	cbc	co.o	58	68	—	0.8	1.4	4.1
	Dover ...	co	or.	53	67	—	Trace	0.0	7.3
	Deal	c	oiro	58	70	—	Trace	2.6	7.7
	Ramsgate ...	bcc	cpcrc	53	68	—	0.6	2.2	8.4
	Margate ...	bc	cd	58	71	—	0.2	2.3	8.6
2	Southend ...	bcmc	cor	63	73	—	1	1.8	6.6
	Maldon ..	c	oir	53	71	—	0.5	0.5	4.6
	Clacton-on-Sea	co	oidr	60	68	—	1	0.1	2.0
	Dovercourt ...	oc	ocpoc	53	69	—	1	0.3	5.7
	Lowestoft ...	c	ccr	57	68	—	3	0.0	7.2
	Skegness ...	ccor	orro	58	66	—	8	0.1	8.5
	Mablethorpe...	bcco	corbcc	57	64	—	7	0.0	5.7
	Cleethorpes ...	cr	crbc	57	65	—	4	0.1	4.3
3	Leamington S.	cor	poc	57	70	—	4	0.5	8.2
4	Cheltenham†	oorr	orcbc	57	68	—	2	1.5	9.3
5	Bath	cur	cupbc	55	66	—	2	0.9	11.6
	Weymouth ...	bcc	cpc	54	65	—	1	0.9	13.1
	Jersey ...	cbc	bcco	56	66	—	—	5.6	14.0
	Torquay ...	codp.	cbcbq	55	67	—	Trace	1.5	12.0
	Penzance ...	bcrdd	cbc	55	67	1	1	4.0	6.7
	St. Ives ...	c	r	58	65	—	1	3.4	9.7
	Bude... ...	or.	oc	53	65	—	2	0.8	9.4
	Ilfracombe ...	cbcco	rrcbc	57	64	—	4	1.3	4
6	Aberystwyth	rrpre	cbc	54	63	6	1	1.8	3.6
7	Llandudno ...	ccir	cbc	58	66	4	1	1.4	7.6
	Colwyn Bay...	rcbc	bcpbc	58	69	1	0.5	2.7	7.6
	Rhyl	prdbc	crpbc	57	71	1	0.2	4.5	5.2
8	Wallasey ...	RRc	iRbc	57	66	4	6	2.1	10.6
	Southport ...	rrop.	pcbcc	56	66	6	3	2.0	10.8
	Blackpool ...	oRo	cbcc	55	65	7	5	2.2	11.2
	Morecambe ...	rrcrbc	cbc	55	65	11	5	2.2	11.0
9	Ilkley... ...	oir	orcbc	54	65	2	5	1.2	8.0
	Harrogate ...	rr	rrcbc	53	64	1	5	0.7	9.0
10	Berwick-on-T.	orr	cPc	54	64	0.3	11	1.2	8.3
11	Dunbar ...	cro	bcro	49	66	8	3	3.2	5.9
12	Troon... ...	rorbc	cbcpc	51	60	3	3	1.5	2.4
	Douglas ...	cbrq	bcq	55	64	2.7	0.3	4.1	8.3

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Thursday, 22nd July, 1937.



Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd July, 1937.
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands	Moderate westerly winds, fresh locally, falling light later; mainly cloudy at first with scattered showers, brighter later; rather cool today, but temperature tending to rise tomorrow.
5 S.W. England 6 South Wales 7 North Wales	Moderate westerly winds fresh locally; mainly cloudy at first with scattered showers; brighter later but becoming cloudy tomorrow morning; rather cool but temperature tending to rise.
8 N.W. England 9 N. Midlands 10 N.E. England 11 S.E. Scotland	As 1 - 4.
12 S.W. Scotland & Isle of Man 13 A. W. Scotld. / B.N.W. Scotland.	As 5 - 7.
14 Mid Scotland 15 N. E. Scotland	Moderate westerly winds; mainly cloudy; occasional showers; rather cool.
16 Orkney and Shetland	Light variable winds becoming westerly; cloudy; occasional rain; fairer later; rather cool.
17 N.W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate westerly winds falling light and backing; cloudy at times; occasional scattered showers at first, rain spreading from west later; average temperature.

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

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~~ Rough ≈≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression northeast of Scotland is moving slowly northeast and another depression over mid-Atlantic will move northeast. It will be mainly cloudy at first in most districts with scattered showers but brighter conditions will occur later, though cloud and rain will spread from the west over Ireland during the morning.

FURTHER OUTLOOK.

Rain probably spreading to all districts.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere

Morning of
THURSDAY, 22ND JULY,
1937.

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 85° N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS :— Clear sky. Sky less than 2/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 22nd July, 1937.

No. 27636.

OBSERVATIONS at 1 hr. G.M.T. 22nd July

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1010·3	+6	WSW	3	c	56	85	8	5	3	-	2-3	7-8	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	348	1010·9	+2	W	3	c	56	85	8	5	7	-	7-8	9+	4000
	Manston ...	142	1009·3	-2	SW	3	c	59	85	8	5	-	-	9	9	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1009·9	-4	WSW	2	c	58	92	7	6	-	-	7-8	7-8	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1012·3	+4	W	4	c	60	85	8	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1015·4	+2	W	5	c	57	85	8	5	6	-	4-6	7-8	2500
	Scilly (St. Mary's)	163	1016·2	+4	WNW	5	c	58	75	8	5	-	-	7-8	7-8	2500
	Guernsey ..	175	1015·4	+6	W'N	3	c	59	76	8	7	-	-	7-8	7-8	2500
6	Pembroke ...	142	1011·8	+6	WNW	6	q	57	85	7	8	-	-	9+	9+	1500
7	Holyhead ...	26	1007·8	+6	W	5	bc	56	75	8	5	4	-	1	4-6	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1004·7	0	W'S	5	c	57	88	7	5	7	-	4-6	9+	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1001·8	-10	W	3	c	55	85	7	4	-	-	7-8	7-8	2500
11	St. Abbs Head	280	999·3	-20	SW	3	c	53	92	8	4	6	2	4-6	7-8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1004·1	0	W'N	6	c	55	92	8	8	-	-	7-8	7-8	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	998·7	+8	W	1	c	52	97	8	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	997·8	+2	NW	2	r.r.	53	97	7	5	2	-	7-8	10	1500
16	Lerwick ...	156	999·5	-12	SE	3	o	53	97	6	5	-	-	10	10	450
17	Blacksod Point	18	1009·2	+10	NW	5	c	54	92	8	9	-	-	10	10	800
18	Malin Head ...	84	1002·4	+22	W	5	c/pr	54	97	7	9	-	-	9	9	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1014·7	0	NW	5	pr	56	92	7	8	-	-	7-8	7-8	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 22nd July

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea. 0–9. (30)
1011·9	+8	WSW	3	bc	58	75	8	8	4	-	4-6	4-6	2500	1	*
1011·3	+6	WSW	4	c	57	85	8	7	3	-	4-6	7-8	4000	0	*
1011·8	+6	WSW	4	bc	58	75	8	1	3	-	4-6	4-6	2500	1	*
1012·4	+6	WSW	3	c	55	92	7	5	-	-	9+	9+	800	1	*
1012·7	+6	W'S	3	c	59	85	8	5	7	-	7-8	9	4000	0	2
1011·8	+2	W'S	4	bc	56	85	8	1	4	1	1	2-3	1500	0	3
1010·7	+6	SW'W	4	b	59	75	8	8	-	8	Tr	1	4000	1	*
1010·9	+6	WSW	4	b	60	75	8	1	4	-	Tr	1	1500	1	*
1009·6	+8	WSW	3	c	59	75	8	5	3	-	2-3	7-8	4000	1	2
1008·2	+6	SW'W	3	bc	57	85	6	-	3	-	0	2-3	-	1	2
1008·7	+6	WSW	4	bc	57	85	7	1	3	-	Tr	4-6	4000	1	*
1007·3	+4	WSW	4	pc	57	86	8	5	7	-	9	9+	2500	1	*
1009·1	+2	WSW	3	bc	56	75	8	7	7	-	2-3	4-6	1500	1	*
1011·0	+6	W	3	c	56	85	8	6	-	-	9+	9+	5700	0	*
1010·8	0	WSW	4	c	57	75	8	8	-	-	9+	9+	2500	1	*
1012·3	+6	W	4	c	57	85	8	8	7	-	4-6	9+	1500	0	*
1013·1	+6	W	5	c	59	85	7	4	4	-	4-6	7-8	2500	1	4
1014·7	+6	W'N	4	c	59	85	8	5	-	-	9	9	4000	1	2
1015·5	+4	W	5	c	58	85	7	8	6	-	7-8	9+	1500	0	3
1016·4	+6	WNW	5	c	56	85	8	8	3	-	2-3	9	2500	0	3
1015·8	+2	WNW	5	c	59	85	8	8	-	-	9	9	2500	1	3
1012·3	+2	WNW	5	q	57	75	7	8	2	-	7-8	9	2500	1	4
1008·4	+8	W	5	c	56	85	8	8	-	-	9	9	1500	1	3
1007·2	+4	W'S	4	c	57	75	8	5	-	-	7-8	7-8	4000	0	*
1006·5	+6	W	5	qpr	56	85	7	6	3	-	7-8	9+	1500	1	*
1005·3	0	W'S	5	q	58	85	7	5	3	-	7-8	9+	1500	0	4
1003·1	+2	WSW	4	c	57	85	8	6	3	-	4-6	7-8	2500	1	*
1001·5	+6	W	4	bc	56	85	7	2	-	-	4-6	4-6	1500	1	1
999·6	0	WNW	5	bc	55	85	7	3	7	1	2-3	4-6	1500	0	3
1000·1	+12	W	3	bc	55	85	9	5	4	-	2-3	4-6	2500	1	*
1001·7	+8	WSW	3	c	55	85	8	8	-	-	10	10	1500	1	*
1002·1	+12	W	4	c	54	75	8	5	3	-	7-8	9	1500	1	*
1005·4	+10	W'N	6	c	56	97	8	8	6	-	4-6	9	800	0	4
1002·0	+6	WNW	4	c	55	85	8	5	7	-	7-8	9	1500	1	3
999·9	+8	W	2	c	54	92	8	6	5	-	4-6	7-8	4000	1	1
*	+12	W	3	c	52	92	8	4	6	-	9	10	2500	1	*
999·6	+10	WNW	2	cjp	55	85	8	8	-	-	9+	9+	4000	1	1
998·5	+2	WNW	2	c	55	92	8	9	2	-	7-8	10	1500	1	1
999·1	-4	E	3	c/F	55	97	6	5	-	-	10	10	220	1	*
1010·2	+10	NW	5	c	54	85	8	9	-	-	10	10	1500	1	4
1004·5	+10	W'N	4	cjp	55	97	7	9	2	-	7-8	10	1500	1	3
1006·1	+18	W'S	4	prc	54	85	8	5	7	-	4-6	9+	800	1	*
1010·6	+6	W	3	c	54	85	8	5	-	-	9+	9+	2500	1	*
1015·4	+6	WNW	4	prc	56	75	7	5	-	-	10	10	1500	1	3
1014·2	+6	NW	3	c/d	56	85	8	6	-	-	9+	9+	1500	0	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h ppm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 21st Hrs. (36)
1	London (Kew)	71	65	50	1	-	2·5
	Croydon ...	70	54	52	0·4	-	2·9
	S. Farnborough	67	52	48	1	Tr	3·6
	Boscombe Down	64	53	50	1	Tr	3·1
	Calshot (Sthmtn.)	67	56	53	0·3	-	0·6
	Lympne ...	68	52	49	0·1	Tr	2·9
	Manston ...	72	52	49	0·3	Tr	2·5
2	Shoeburyness ...	73	55	51	2	-	2·5
	Felixstowe ...	69	54	51	1	-	2·3
	Gorleston ...	63	53	51	3	-	0·6
	Mildenhall ...	68	52	48	8	Tr	1·3
	Cranwell ...	67	53	50	8	Tr	1·0
3	Birmingham ...	64	53	51	7	-	2·9
	Upper Heyford	64	49	44	1	-	*
4	Ross-on-Wye	68	55	50	2	-	3·6
5	Bristol ...	64	54	51	1	Tr	2·7
	Portland Bill ...	62	57	*	1	-	*
	Plymouth ...	65	57	53	2	Tr	2·8
	The Lizard ...	65	56	*	1	-	*
	Scilly (St. Mary's)	66	55	*	1	-	4·6
	Guernsey ..	69	56	53	Tr	0·2	6·3
6	Pembroke ...	62	55	*	6	-	5·1
7	Holyhead ...	64	56	54	8	Tr	6·2
	Chester (Sealand)	68	56	50	3	-	3·9
8	Manchester ...	65	55	52	8	1	2·3
10	Spurn Head ...	64	55	*	4	-	0·3
	Catterick ...	66	54	51	9	Tr	3·9
	Tynemouth ...	66	54	51	10	Tr	3·9
11	St. Abbs Head	63	51	*	7	Tr	*
	Leuchars ...	66	51	49	3	0·5	3·2
12	Renfrew (Abbotsl.)	64	50	50	15	4	1·2
	Eskdalemuir ...	64	54	*	7	0·2	3·6
	Point of Ayre ...	59	53	51	0·2	0·3	2·5
13A	Tiree	64	52	*	4	0·1	3·1
13B	Stornoway ...	64	47	47	2	0·2	2·2
15	Dalwhinnie ...	57	50	43	3	-	0·5
	Aberdeen ...	57	52	*	5	5	*
	Wick ...	57	52	*	5	4	0·6
16	Lerwick ...	57	52	*	6	4	0·6
17	Blacksod Point	59	50	*	2	3	*
18	Malin Head ...	60	53	*	2	3	3·0
	Aldergrove ...	64	52	52	0·2	0·2	4·1
19	Birr Castle ...	62	53	50	1	0·5	5·4
20	Valentia Obsy. †	61	55	52	0·1	0·3	3·8
	Roches Point	65	55	*	—	0·1	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather 24 hrs. ended 9h. Morning.	Weather 24 hrs. ended 9h. Afternoon.	Weather 24 hrs. ended 9h. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
KEW	18	bc,r.r.c	r.r.r.c	cbc	71	55	50	1	-	2·5	*	*	8
CROYDON	217	c.pr.	pr.r.	cbc.bc	70	54	52	0·4	-	2·9	*	*	8
GREENWICH (Royal Observatory) ...	149	c	r.r.c	cbc	75	53	47	1	-	2·0	90	65	7
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	2·5	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	70	55	51	0·5		1·9	83	69	*
REGENT'S PK. (Botanic Gardens)‡ ...	168	*	*	*	72	54	51	1	-	2·1	85	71	*
CAMDEN SQUARE	110	bc	rc	*	72	54	49	1	-	*	*	65	*
KENSINGTON	80	bc	c.o.r.c	*	70	54	48	0·6	-	1·4	At 18h. 84	70	*
HAMPSTEAD OBSERVATORY	450	bc	bc.r.c	c	69	50	40	1	-	2·2	*	77	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

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

Kew Observatory. Max.	Time.	Min.	Time.
0·1	7-8hrs 21st.	<0·1	rest of period

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 21st July. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.	7h. G.M.T. 22nd July. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
PARIS	1012·2	WNW	2	c	70	1015·8	W	3	c	61
BRUSSELS	1011·7	WSW	2	c	70	1010·	W	4	c	"
BERLIN	1011·2	E	1	b	77	1006·8	W'S	1	c	66
ZÜRICH	1014·0	NW	2	bc	77	1014·0	NW'W	2	c/pr	66
ROME	1012·7	-	*	bc	77	1014·1	N'E	4	jf	73

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
82	61	-	-
73	"	-	-
81	64	-	7
86	"	-	"
"	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 "	6½ "
7 Good "	12½ "
8 Very good "	31 "
9 Excellent "	beyond 31m

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

: hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

† Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday 23rd July, 1937.
No. 27637.

District	Stations (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 22nd July: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1011·8	0	WN	4	c	64	55	8	8	-	-	9+	9+	1500
	Croydon ...	1011·7	-2	WSW	5	c	63	65	8	8	-	-	9	9	2500
	S. Farnborough	1012·1	+2	W	4	c/pr	63	55	8	7	3	1	7-8	9+	4000
	Boscombe Down	1013·0	+2	W'S	4	c	63	53	8	5	-	-	7-8	7-8	2500
	Calshot (Sthmtn.)	1013·2	-2	SWS	4	c	60	55	8	8	6	-	4-6	7-8	4000
	Lympne ...	1012·1	-2	W'S	4	c	64	55	9	7	6	5	7-8	9	2500
	Manston ...	1011·2	+2	WSW	4	c	65	45	8	5	-	-	9+	9+	4000
2	Shoeburyness ...	1011·2	0	W'S	4	c	65	55	8	8	7	-	4-6	7-8	2500
	Felixstowe ...	1010·5	+4	WSW	4	jp c	64	55	8	8	3	-	7-8	9+	1500
	Gorleston ...	1008·4	+2	SWW	4		62	65	7	8	-	-	9	9	2500
	Mildenhall ...	1009·5	+4	WSW	5	c	61	75	8	8	7	-	7-8	10	2500
	Cranwell ...	1008·4	+10	WN	5	c	61	65	8	8	-	-	7-8	10	1500
3	Birmingham ...	1010·0	+6	W	4	c	59	75	8	7	-	-	9+	9+	1500
	Upper Heyford	1011·8	+6	W	4	q	61	65	8	8	6	-	7-8	9+	2500
4	Ross-on-Wye	1011·8	+4	WS	4	c	60	65	9	8	-	-	9+	9+	2500
5	Bristol ...	1013·3	+6	W	5	c	60	75	8	8	-	-	9+	9+	2500
	Portland Bill ...	1014·5	+6	W	4	c	64	75	8	4	4	-	4-6	7-8	2500
	Plymouth ...	1015·6	+6	WNW	5	c	63	55	8	5	-	-	9	9	2500
	The Lizard ...	1016·8	+6	WS	4	c	62	75	8	8	6	-	4-6	7-8	2500
	Scilly (St.Mary's)	1017·5	+4	WN	4	bc	67	65	8	5	4	3	2-3	4-6	2500
	Guernsey ...	1016·9	+4	WNW	5	bc	64	65	8	1	3	-	2-3	4-6	2500
6	Pembroke ...	1012·0	0	WN	5	q	58	75	8	5	7	1	2-3	7-8	4000
7	Holyhead ...	1009·7	+6	W	5	c	60	65	8	7	7	3	2-3	7-8	4000
	Chester(Sealand)	1009·0	+8	W	4	pr.	59	75	7	8	3	-	9	9+	2500
8	Manchester ...	1008·4	+8	W	6	pr.	58	75	7	8	-	-	10	10	2500
10	Spurn Head ...	1005·7	+4	W	6	q	60	85	7	6	2	-	4-6	10	1500
	Catterick ...	1005·1	+12	W	4	q	60	65	8	8	7	-	7-8	9+	2500
	Tynemouth ...	1003·5	+6	W	5	c/r	59	75	7	6	-	-	10	10	800
11	St. Abbs Head	1001·5	+8	WNW	4	c	59	85	8	8	4	1	4-6	7-8	1500
	Leuchars ...	1001·3	+2	W	4	jp	62	75	8	8	7	-	7-8	9+	2500
12	Renfrew (Abbotsl.)	1003·7	+10	W	4	c	62	75	8	8	6	-	4-6	7-8	1500
	Eskdalemuir ...	1003·8	+8	WN	4	pr.	56	85	7	6	-	-	9	9	1500
	Point of Ayre...	1007·1	+6	WN	5	c	61	85	8	8	6	-	2-3	7-8	1500
13a	Tiree	1004·8	+10	NWW	4	bc	60	85	8	8	4	-	4-6	4-6	2500
13b	Stornoway ...	1002·8	+10	NW	4	c	57	75	8	8	7	-	7-8	9+	4000
15	Dalwhinnie ...	1001·8	+6	W	3	c	57	85	7	4	6	-	7-8	9+	1500
	Aberdeen ...	1000·8	+8	S	1	PR	56	92	8	9	-	-	9	9	1500
	Wick ...	999·5	+6	WNW	3	o	56	97	7	5	-	-	10	10	1500
16	Lerwick ...	1000·1	+4	E	3	c	56	97	7	8	7	-	7-8	9+	450
17	Blacksod Point	1011·6	+8	W	3	c	57	75	8	9	-	-	7-8	7-8	1500
18	Malin Head ...	1006·5	+14	WN	4	c/pr	55	97	7	9	-	-	9+	9+	1500
	Aldergrove ...	1007·9	+14	WS	4	pr.	60	75	8	8	3	-	9	9+	1500
19	Birr Castle ...	1011·9	+8	W'S	3	c	58	65	8	5	-	-	9+	9+	2500
20	Valentia Obsy. †	1016·0	0	W'N	3	c	60	75	8	8	7	-	7-8	7-8	1500
	Roches Point	1014·5	+2	WNW	4	c	61	75	9	8	4	-	7-8	7-8	1500

District	Stations	OBSERVATIONS at 18h. G.M.T. 22nd July: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1011·7	0	WSW	3	bc	65	55	8	8	-	9	4-6	4-6	2500	1	*
	Croydon ...	1011·6	-2	W	4	c	65	55	8	1	3	5	4-6	7-8	4000	0	*
	S. Farnborough	1012·1	0	W'S	5	bc	64	55	8	2	3	1	4-6	4-6	4000	0	*
	Boscombe Down	1012·9	-2	W'S	4	c	60	65	9	7	3	-	2-3	7-8	2500	0	*
	Calshot (Sthmtn.)	1013·4	+4	W'N	4	c	63	65	8	8	3	-	4-6	9	4000	0	2
	Lympne ...	1012·3	0	W'S	4	c	63	75	9	4	3	2	4-6	7-8	4000	0	§ 5
	Manston ...	1011·0	0	WSW	4	c	64	55	8	7	7	-	4-6	9	4000	1	*
2	Shoeburyness ...	1011·1	0	W'S	4	c	64	55	8	8	5	2	4-6	7-8	2500	0	*
	Felixstowe ...	1010·1	-2	WSW	4	c	65	55	8	8	6	-	9	9+	1500	1	3
	Gorleston ...	1009·2	+6	SWW	3	c/pr	58	85	6	8	-	-	9	9	2500	1	2
	Mildenhall ...	1009·6	0	WN	3	c/pr	60	85	8	5	-	-	9+	9+	4000	1	*
	Cranwell ...	1008·5	-2	W	4	c	61	65	8	8	-	9	7-8	9	4000	1	*
3	Birmingham ...	1010·8	+4	WNW	3	c	57	65	8	7	7	-	2-3	9+	1500	1	*
	Upper Heyford	1011·9	+6	WN	4	c	63	55	9	8	-	-	7-8	7-8	2500	0	*
4	Ross-on-Wye	1011·8	0	W	3	c	61	55	9	5	3	-	7-8	9	4000	1	*
5	Bristol ...	1012·8	-8	W	5	c	60	75	8	8	3	-	2-3	7-8	2500	0	*
	Portland Bill ...	1014·0	-4	WNW	4	c	62	75	8	4	4	-	4-6	7-8	2500	0	3
	Plymouth ...	1015·3	+2	W	5	c	61	65	8	7	5	9	4-6	7-8	4000	0	3
	The Lizard ...	1016·1	-2	W'S	3	c	61	85	8	8	6	-	7-8	7-8	2500	0	2
	Scilly (St.Mary's)	1016·5	-8	W'S	4	jp	62	85	8	8	4	-	4-6	7-8	1600	0	3
	Guernsey ...	1016·6	-4	WN	3	b	63	75	8	-	-	-	0	0	-	0	3
6	Pembroke ...	1012·2	-2	W	5	q	58	85	7	5	6	-	4-6	9	2500	0	4
7	Holyhead ...	1010·3	+2	W	4	c	58	75	8	9	7	1	7-8	9+	2500	1	3
	Chester(Sealand)	1009·5	-2	W	4	c	60	65	8	8	3	-	7-8	9+	2500	0	*
8	Manchester ...	1008·9	0	W	5	c	59	75	8	8	3	-	7-8	9+	2500	1	*
10	Spurn Head ...	1006·2	+2	WN	6	q	60	85	7	5	7	-	4-6	9+	2500	0	4
	Catterick ...	1005·6	+4	WSW	3	bc	61	75	8	8	7	-	2-3	4-6	2500	0	*
	Tynemouth ...	1003·9	+4	W	4	bc	63	65	7	2	-	-	4-6	4-6	2500	1	1
11	St. Abbs Head	1002·0	+2	WNW	4	pr.	59	92	7	8	4	-	4-6	7-8	4000	1	3
	Leuchars ...	1002·2	+6	WNW	4	pr	61	65	9	8	-	-	9	9	2500	1	*
12	Renfrew (Abbotsl.)	1001·8	+8	WN	4	c	60	75	9	1	6	-	7-8	7-8	2500	0	*
	Eskdalemuir ...	1001·8	+6	W	4	c/pr	57	75	8	9	4	9	4-6	7-8	1500	1	*
	Point of Ayre...	1002·9	+2	NNW	3	c	57	92	8	8	6	-	7-8	10	2500	1	2
13a	Tiree	1005·9	+4	NWW	3	bc	57	85	8	7	4	-	2-3	2-3	2500	0	2
13b	Stornoway ...	1004·5	+6	NW	4	c	57	75	8	5	7	-	7-8	9+	1500	1	2
15	Dalwhinnie ...	1004·1	+10	W	2	c	55	75	7	4	6	-	7-8	10	2500	1	*
	Aberdeen ...	1001·3	0	NWN	3	c	59	85	8	8	-	1	9	9	1500	1	1
	Wick ...	1000·5	+10	WNW	1	c	55	97	5	5	2	-	7-8	10	1500	1	1
16	Lerwick ...	1001·8	+6	N	2	c	55	97	7	4	7	-	7-8	9	800	0	*
17	Blacksod Point	1010·9	-8	W	3	c	55	85	8	5	-	-	10	10	1500	0	3
18	Malin Head ...	1007·3	+4	WN	4	c/pr	55	97	7	9	2	-	7-8	10	1500	1	3
	Aldergrove ...	1008·4	+2	W	4	c/pr	58	75	8	8	-	-	9+	9+	1500	1	*
19	Birr Castle ...	1011·9	-4	W'S	2	c	58	75	8	5	7	-	7-8	9+	2500	1	*
20	Valentia Obsy. †	1013·0	-22	SSW	3	r.	57	92	7	6	2	-	7-8	10	800	1	2
	Roches Point	1013·1	-6	W'S	3	ir.	60	85	8	6	7	-	4-6	10	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 22nd (37)	Weather. 13h.—18h. 22nd. (38)	Weather. 18h.—1h. 23rd (39)	Weather. 1h.—7h. 23rd. (40)
1	London (Kew)	bccy	cybcy	bccm.	cm.d.d.
	Croydon ...	cy	bvybcy	bcyc	bccr.
	S. Farnborough	bccpr.y	cybcy	bcbpc	cr.d.d.m.
	Boscombe Down	ey	cbcy	bcybc	cr.rd.d.
	Calshot (Sthmtn.)	cbcyr	bcycy	bc	cr.ddm.
	Lympne ...	bccvy	cvybc	cby	cir.
	Manston ...	bbccy	cy	cybccbc	bcir.r.r.
2	Shoeburyness ...	b, cy	cy	cyc	ir.c
	Felixstowe ...	bccy	cjpcy	cyc	cir.
	Gorleston ...	bccpr.	cpr.	cpr.bc	co
	Mildenhall ...	c	cpr.	c	cpr.r.
	Cranwell ...	cd.pre	epre	c	c r.r.r
3	Birmingham ...	bccpr.	c	c	corr
	Upper Heyford	cpr.q	cpy	c	comrr
4	Ross-on-Wye	cpdc	cv	c	cr.r.r.d
5	Bristol ...	c	c	cbcc	r.r.m.rd
	Portland Bill ...	c	c	c	or.
	Plymouth ...	cbcvcy	cycbc	cir.	cd.m.rm
	The Lizard ...	cpr.c	cbcc	cpr.m	ompr
	Scilly (St.Mary's)	cbc	cbcc	cp.o.d.	od.r.
	Guernsey ...	cprvc	bccp.	bccpr.	corr
6	Pembroke ...	cbcqc	cq	crrq c	crrif
7	Holyhead ...	cbc	bcc	c	crr.d.c
	Chester(Sealand)	bcpr.	cprpr.rc	c	crr rm.
8	Manchester ...	cprq	cpr.c	c	prr or.
10	Spurn Head ...	cq	cq	c	c
	Catterick ...	bc kpr.	bc	bc	cwc
	Tynemouth ...	bcbir	obc	bc	bc
11	St. Abbs Head	cz.	epr	cpr	c
	Leuchars ...	bc c	cPRpr.	cPRbc	bcc
12	Renfrew (Abbotsl.)	cdomrrc	cbcc	cbc	bc
	Eskdalemuir ...	rr Rpr	bcpr.	bc	bcbc
	Point of Ayre...	cpr c	cprc	c	c
13a	Tiree	bc	bc	bcw	bcc
13b	Stornoway ...	cpr.	c	cd.	c
15	Dalwhinnie ...	iRc	c	*	c
	Aberdeen ...	cPR	cPR	cpr	cbc
	Wick ...	cid.o	or.m.	Forn.	m.o
16	Lerwick ...	FFc	c	c	c
17	Blacksod Point	c	c	c	prc
18	Malin Head ...	cpr	cpr.c	cprc	c
	Aldergrove ...	cr.cpr.	cpr.c	c	cbcwc
19	Birr Castle ...	c	c	c	crr
20	Valentia Obsy. †	cpr.c	cr.r.	rriRrr	r.r.r.c
	Roches Point	cid.c	ci cir.	orr	drdrRid

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ka, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ⊙ lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

§ Sea disturbance reported from Dungeness.

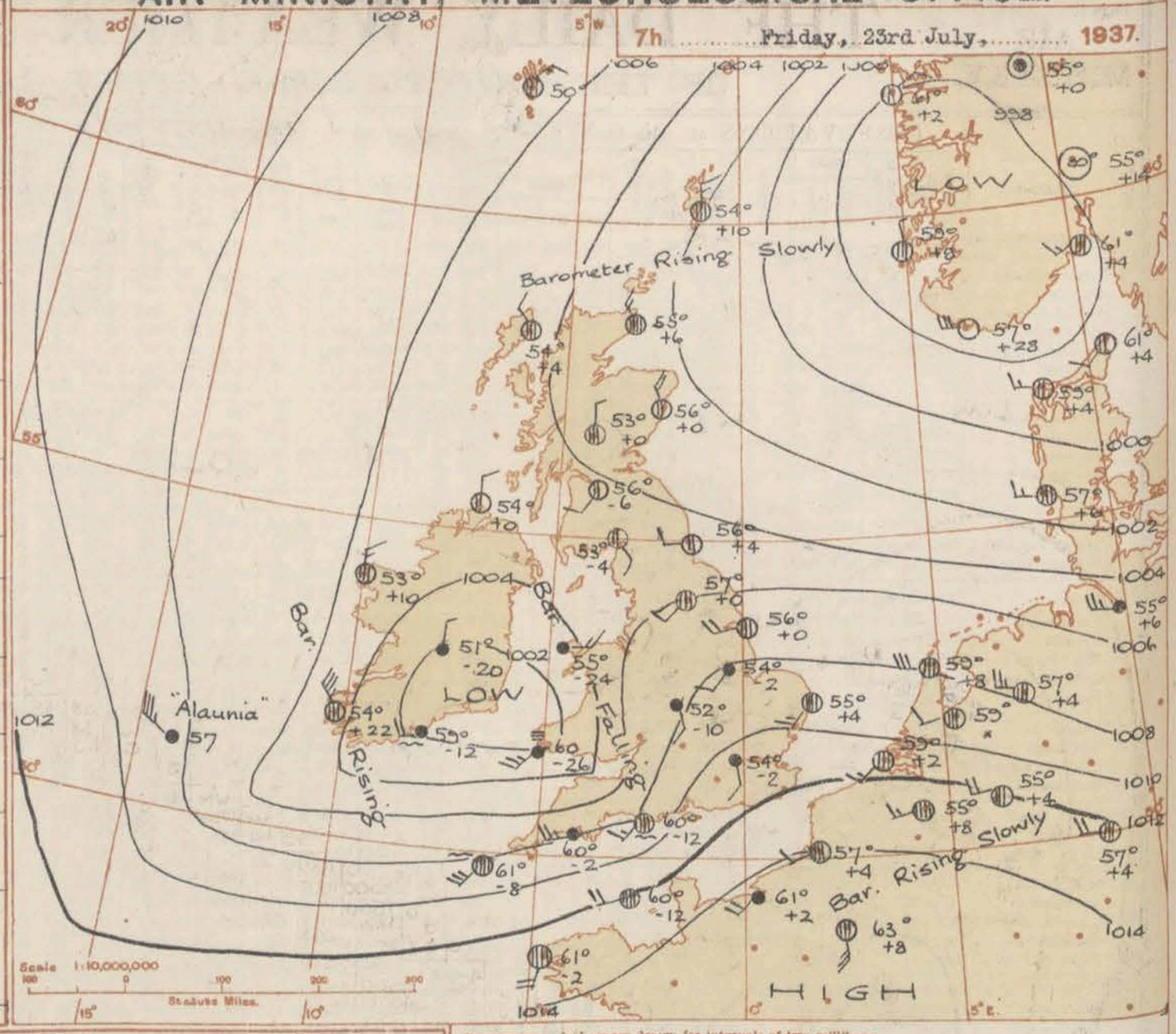
REPORTS from HEALTH RESORTS for July 22nd. 1937.

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 21st. to 9h. 22nd.	Temperature (°F.) Max. 9h.–17h. 22nd.	Rainfall (mm.) Night. 17h. 21st. to 9h. 22nd.	Rainfall (mm.) Day. 9h.–17h. 22nd.	Sunshine (Hrs.) Sunrise to 17h. 22nd.	Sunshine (Hrs.) Sunrise to Sunset. 21st.
1	Tunbridge W.	o d o c	c	52	66	Trace	Trace	4·4	2·2
	Bournemouth	c b c	b c b c	56	70	–	–	4·5	1·8
	Ventnor ...	c	b b c	56	65	–	–	4·7	1·5
	Southsea ...	b c	b b c	58	70	Trace	–	4·9	0·9
	Bognor Regis	b c b c	b c b c	57	66	Trace	–	5·7	2·0
	Littlehampton	c	c b c	56	66	Trace	–	4·2	1·9
	Worthing ...	c b c	b c	56	68	Trace	–	2·9	2·3
	Brighton ...	c b c	c	57	65	–	–	2·8	2·8
	Eastbourne† ...	o c	c b c c	57	65	–	–	5·0	3·2
	Hastings† ...	c b c	c b c b c	54	66	–	–	4·4	2·7
	Folkestone ...	b c c	c	53	67	Trace	–	6·2	1·4
	Dover ...	b c c	c b c	55	68	0·3	–	4·9	0·0
	Deal	b c	c o c	55	68	–	–	6·1	2·6
	Ramsgate ...	b c c	c	54	67	–	–	4·4	2·2
	Margate ...	c	b c c	52	68	Trace	–	4·0	2·5
2	Southend ...	o c	c o	54	66	Trace	–	4·2	1·8
	Maldon ...	b b c	c b c	52	66	–	–	5·5	0·5
	Clacton-on-Sea	b c c	c b c	54	65	0·6	–	3·9	0·1
	Dovercourt ...	b c v	b c b c	57	65	–	–	3·6	0·3
	Lowestoft ...	b b c c	c b c r	52	64	0·1	0·3	5·3	0·0
	Skegness ...	b c	r r c b c	52	63	Trace	Trace	3·5	0·9
	Mablethorpe ...	b c c o	b c c b c	52	65	2	–	3·8	0·0
	Cleethorpes ...	b c	b c r.	54	65	Trace	Trace	3·8	0·7
3	Leamington S.	b c c	p b c c	53	64	–	0·2	2·8	1·4
4	Cheltenham†	c p c	c b c c	53	65	–	–	2·1	3·1
5	Bath	c b c	c b c	56	65	–	–	3·3	3·4
	Weymouth ...	c b	b c b	57	68	–	–	6·3	2·2
	Jersey ...	c b c	b c c	59	65	–	–	4·3	5·6
	Torquay ...	b c y q	b c y q	56	66	–	–	7·8	3·8
	Penzance ...	b c b c	b c b b c	56	67	–	–	6·6	6·2
	St. Ives ...	c	c	56	66	–	–	6·8	5·8
	Bude... ...	b c	b c	57	63	–	–	7·8	1·7
	Ilfracombe ...	p c b c	c b c	55	62	Trace	–	2·2	3·5
6	Aberystwyth	b c c	b c c	57	62	–	–	2·2	3·1
7	Llandudno ...	c d c p.	b c c	55	62	0·1	Trace	2·8	3·5
	Colwyn Bay...	c p c	c b c c	56	62	–	0·5	1·3	4·0
	Rhyl	p r. c	c b c c	56	63	0·2	Trace	2·4	6·9
8	Wallasey ...	c	c b c	55	63	0·3	–	1·3	3·1
	Southport ...	p. o p.	p. c	56	61	–	0·3	0·5	3·2
	Blackpool ...	o c	o p o c	56	60	–	Trace	0·4	4·1
	Morecambe ...	c	d b b c c	55	61	–	Trace	2·0	2·7
9	Ilkley... ...	o i r o	c p c	54	61	8	2	1·3	3·1
	Harrogate ...	p c d	c d	52	59	2	0·1	1·3	2·3
10	Berwick-on-T.	b c c	c r. b c	53	63	–	1	3·2	1·2
11	Dunbar ...	b c p r.	b c p r.	53	65	0·5	0·5	4·7	3·8
12	Troon... ...	c p c	c p c b c	54	61	4	1	1·9	1·7
	Douglas ...	c b p r.	c b p r.	53	60	0·3	1	1·2	5·6

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Friday, 23rd July, ... 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~~ Rough. ≈≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 23rd July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Fresh southwest winds, strong locally, veering west later; dull with periods of rain or drizzle but becoming mainly fair apart from showers later; rather cool.
6 South Wales ... 7 North Wales ...	Fresh west or northwest winds; occasional rain at first; becoming mainly fair apart from showers; rather cool.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light northerly winds freshening from northwest later; mainly fair apart from showers; rather cool.
13 A. W. Scotld. 13 B. N.W. Scotland. 14 Mid Scotland	Moderate or fresh squally northwest winds; mainly fair apart from scattered showers; rather cool.
15 N. E. Scotland 16 Orkney and Shetland	As 8 - 12.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 13A - 14.

GENERAL INFERENCE.

A depression over Southeast Ireland is moving east rapidly. Rain will occur over the southern part of the country but a clearance will spread from north and west. Elsewhere it will be mainly fair apart from scattered showers. It will be generally rather cool.

FURTHER OUTLOOK.

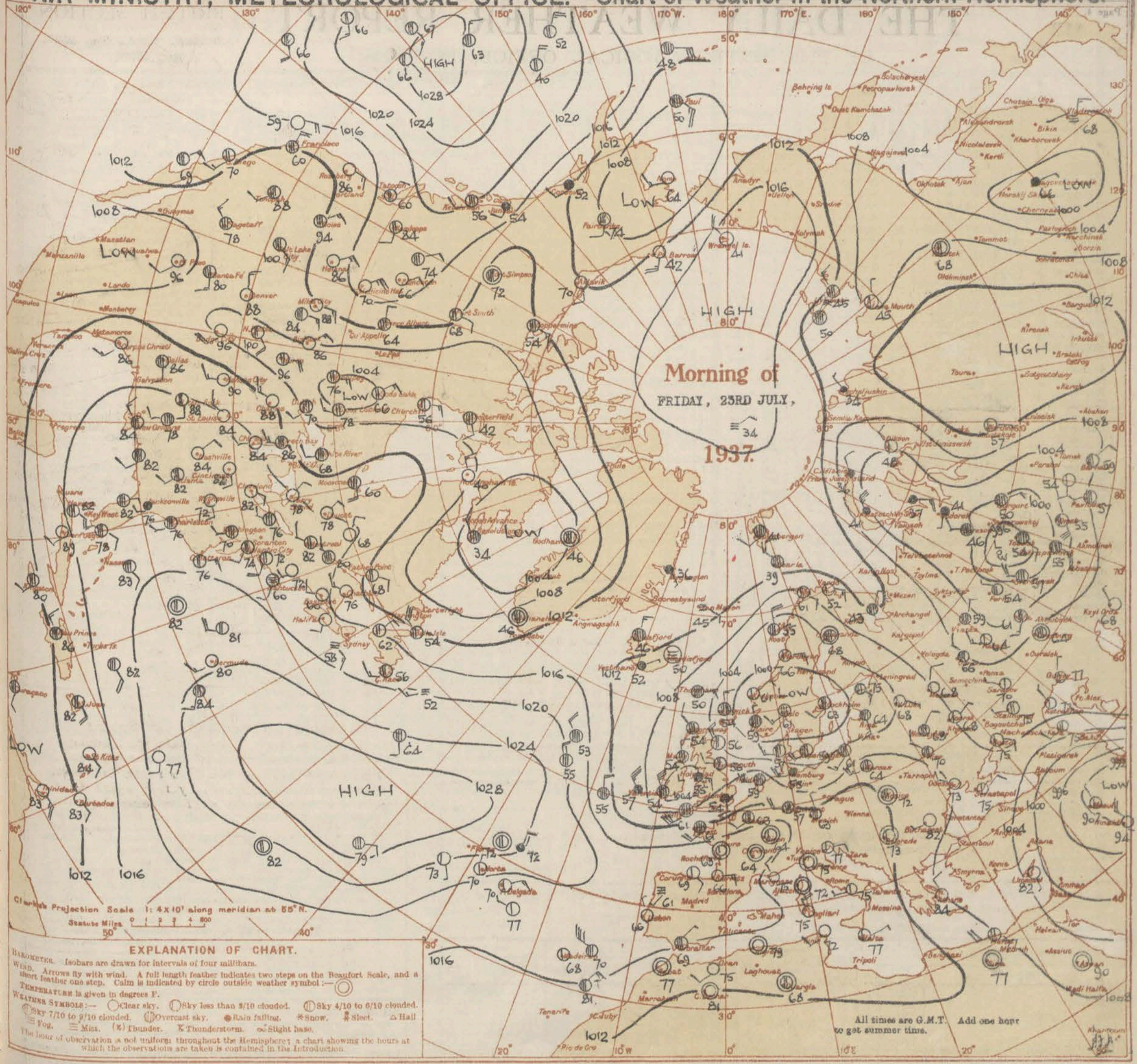
Bright periods and showers; rather cool.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

H.M. Stationery Office Press, Kingsway, W.C.2 C80 7/37

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 23rd July, 1937.

No. 27637.

OBSERVATIONS at 1 hr. G.M.T. 23rd July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1011·6	-10	WSW	4	c	55	85	8	–	3	–	0	7-8	–
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1012·7	-6	WSW	3	bc	52	75	9	–	3	1	0	2-3	–
	Manston ...	142	1011·4	-2	SWW	4	bc	54	75	8	–	3	–	0	4-6	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1008·5	-6	WSW	2	bc	55	85	7	–	4	–	0	2-3	–
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1012·2	-10	W	4	c	60	85	7	4	–	–	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1012·4	-20	SW	4	pr.	59	97	6	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	1011·9	-34	SW	5	id.	59	97	6	5	–	–	10	10	800
	Guernsey ..	175	1015·1	-12	WSW	3	c	59	92	8	8	1	–	7-8	10	2500
6	Pembroke ...	142	1009·5	-8	WSW	2	rr	55	97	7	5	–	–	10	10	2500
7	Holyhead ...	26	1008·7	-10	WSW	2	c	55	75	8	–	2	–	7-8	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1006·8	0	WN	5	c	56	97	7	5	7	–	4-6	7-8	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1004·7	0	W	3	bc	55	85	8	5	–	–	4-6	4-6	2500
11	St. Abbs Head	280	1003·3	+2	WNW	4	c	56	85	8	5	4	1	4-6	7-8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1007·7	0	WNW	4	c	55	92	8	5	2	–	4-6	10	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1004·8	-2	W	2	c	53	92	8	5	7	–	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1002·6	+4	NW	2	m	55	97	4	5	–	–	10	10	800
16	Lerwick ...	156	1001·5	-6	N	2	c	53	97	7	9	7	–	7-8	9	800
17	Blacksod Point	18	1006·6	-28	E	2	c	54	85	8	4	–	–	9+	9+	800
18	Malin Head ...	84	1006·5	-6	W	2	c/pr	54	97	7	9	1	–	9	10	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1002·8	-20	S	5	DR	61	97	5	5	–	–	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 23rd July

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1010·3	-6	S	2	d.d.	55	92	5	6	2	–	7-8	10	800	1	*
1010·8	-2	SE	2	dd	54	97	5	–	2	–	10	10	1500	1	*
1009·8	-16	S	2	d.d.	55	97	5	6	2	–	7-8	10	450	1	*
1009·0	-22	SE	3	d.d.	56	97	5	6	–	–	10	10	220	1	*
1010·2	-20	SWS	5	c/d	60	97	6	6	2	–	9	10	800	1	3
1012·3	+2	SWS	1	d.d.	54	92	6	–	2	–	10	10	2500	1	2
1011·2	+4	WSW	3	r.r.	56	75	7	–	2	–	10	10	4000	1	*
1011·1	+6	SW	3	ir.	56	85	7	6	2	–	2-3	10	1500	1	*
1010·4	+2	SW	3	ir.	57	85	7	5	7	–	2-3	10	2500	1	2
1009·1	+4	SWS	3	o	55	85	6	6	–	–	10	10	2500	0	2
1009·4	+4	SW	3	ir.	56	92	6	6	2	–	7-8	10	1500	1	*
1008·1	-2	SWS	2	r.r.	54	97	7	6	7	–	7-8	10	4000	1	*
1007·7	-10	SSE	2	rr	52	97	5	6	–	–	10	10	800	1	*
1009·4	-6	SE	2	rr	53	97	5	6	2	–	9	10	450	1	*
1006·4	-24	SSE	3	d.d.	56	97	5	6	1	–	9+	10	1500	1	*
1006·8	-26	SSW	3	id.	59	97	6	5	2	–	9	10	800	1	*
1008·9	-12	SW	5	o	60	92	7	5	–	–	10	10	1500	1	4
1008·6	-2	SWW	5	rr	60	97	6	6	2	–	9	10	220	1	3
1009·0	-6	SW	5	ir	60	97	6	5	–	–	10	10	1500	1	3
1008·0	-8	SW	6	o	61	97	6	5	–	–	10	10	800	1	4
1013·2	-12	SWW	4	o/r	60	82	7	5	–	–	10	10	2500	1	3
1002·0	-26	WSW	5	rf	60	97	3	5	–	–	10	10	1500	1	3
1003·5	-24	E	3	d	55	85	8	5	2	–	2-3	10	1500	1	2
1006·0	-20	SEE	2	c	54	92	6	5	2	–	7-8	10	5700	1	*
1006·7	-14	S	1	c/r	54	92	6	6	7	–	2-3	10	1500	1	*
1006·7	0	WSW	4	c	56	92	7	5	2	–	4-6	9+	4000	0	3
1005·6	0	SW	2	c	57	85	8	8	3	5	1	7-8	2500	0	*
1004·8	+4	W	2	bc	56	85	7	2	6	–	4-6	4-6	1500	1	1
1003·9	+6	NW	2	c	55	85	9	4	6	–	4-6	7-8	1500	0	2
1003·6	0	SW	2	c	55	85	8	5	4	1	7-8	7-8	4000	1	*
1004·6	-6	WSW	1	bc	56	85	9	1	3	5	1	4-6	2500	0	*
1004·8	-4	SE	2	bc	53	85	8	5	3	–	4-6	4-6	800	1	*
1005·0	-10	–	0	c	56	85	8	2	7	–	Tr	9+	4000	0	0
1004·8	0	–	0	c	56	92	8	5	7	–	7-8	9	500	0	1
1004·9	+4	NW	2	c	54	85	9	5	7	–	7-8	9+	1500	1	1
*	0	N	1	c	53	75	8	5	–	–	9+	9+	2500	1	*
1003·2	0	NW	4	bc	56	85	8	5	–	1	4-6	4-6	5700	1	1
1003·1	+6	NW	3	o	55	97	5	5	–	–	10	10	800	1	1
1002·0	+10	N	3	c	54	97	7	5	2	–	9	10	800	0	*
1005·8	+10	N	3	c	53	92	8	9	–	–	10	10	800	1	3
1004·5	0	N	2	c	54	97	7	8	2	–	7-8	9+	1500	1	2
1004·5	-14	–	0	c	52	92	8	8	7	–	2-3	9+	1500	1	*
1001·7	-20	N	1	rr	51	97	7	5	–	–	10	10	2500	1	*
1004·2	+22	NNW	7	c/r	54	92	8	9	–	–	10	10	800	1	3
1001·7	-12	W'S	4	id	59	97	8	5	+	–	9	9	800	1	4

PAST 24 HOURS.

District	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine Hrs. (36)
1	65	55	51	–	0·4	4·6
	67	54	51	–	0·2	5·5
	66	51	46	Tr	1	5·5
	65	52	49	–	2	4·4
	70	56	54	–	1	4·3
	65	51	48	–	0·3	7·0
	67	54	48	–	Tr	5·1
2	67	56	52	–	0·3	4·3
	65	56	53	–	Tr	3·0
	64	53	52	0·2	Tr	6·9
	63	53	49	Tr	Tr	2·4
	63	53	50	1	1	3·4
3	62	52	51	Tr	3	2·9
	66	52	51	Tr	2	*
4	64	54	53	Tr	2	2·8
5	63	53	52	–	1	1·7
	64	58	*	–	0·6	*
	63	57	56	–	2	5·0
	65	56	*	Tr	2	*
	67	58	*	–	1	5·2
	66	58	55	0·2	1	7·6
6	63	54	*	–	11	6·5
7	61	53	51	–	1	2·7
	62	(55)	(53)	0·6	2	1·8
8	61	53	51	0·2	0·4	0·3
10	64	55	*	–	–	4·2
	65	51	49	Tr	–	6·9
	64	53	50	0·3	–	8·2
11	62	54	*	0·1	Tr	*
	65	52	48	2	2	4·9
12	64	47	43	0·4	–	5·6
	62	49	45	7	–	2·8
	65	51	*	0·2	–	1·0
13A	61	51	46	–	–	10·2
13B	60	50	*	Tr	0·1	1·8
15	62	49	45	1	–	1·8
	60	54	53	15	0·4	1·8
	60	54	*	3	–	*
16	57	52	*	–	–	0·2
17	59	50	*	0·4	1	*
18	57	51	*	3	3	0·2
	62	49	43	0·5	–	1·1
19	60	50	51	–	11	0·9
20	61	54	53	1	23	0·8
	63	54	*	0·2	18	*

LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h. Kensington.
9h—21h. other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	bccy	cybcy	bcandd	65	55	51	–	0·4	4·6	•	•	6
Croydon	217	cy	bvybcy	beycr.	67	54	51	–	0·2	5·5	•	•	6
Greenwich (Royal Observatory)	149	cy	cy	cdd	67	54	46	–	1	4·3	54	95	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	5·6	•	•	•
Westminster (St. James' Park)	27	*	*	*	66	55	51			4·8	54	93	•
Regents Pk. (Botanic Gardens)‡	168	*	*	*	66	54	53	–	1		49	94	•
Camden Square	110	c	c	*	67	55	51	–	1	•	•	94	•
Kensington	80	co	co	*	66	55	60	–	1	4·7	At 18h. 58	97	•
Hampstead Observatory	450	bc	bc	bcar	64	50	39	–	1	5·9	•	98	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

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

Kew Observatory. Max.	Time.	Min.	Time.
0·1	7-8h 22nd	<0·1	Rest of Period

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 22nd July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 23rd July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	1015·7	W	3	c	70	1015·5	SW	2	c	63	72	55	–	–
Brussels						1012·5	WSW	3	o	55		52		
Berlin	1008·0	WN	4	c	68	1007·7	SW	3	r.r.	59	73	57	8	0·3
Zürich	1014·8	NW	2	c	72	1015·8	NW	1	c	63	79	63	–	–
Rome	1013·4	–	0	b	77	1014·1	SE	2	f	72	*	*	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 24th July, 1937.
No. 27658.

OBSERVATIONS at 13h. G.M.T. 23rd July

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1006·8	-6	SSW	4	id.	63	92	7	6	2	-	10	10	800
	Croydon ...	1007·1	-8	SW'S	4	id.	63	92	7	6	-	-	10	10	800
	S. Farnborough	1006·9	-8	SSW	3	d.d.	62	92	5	6	-	-	10	10	450
	Boscombe Down	1006·3	-10	SW'S	4	c	66	85	8	5	-	-	9+	9+	800
	Calshot (Sthmtn.)	1006·6	-6	SW	4	id.	62	97	5	6	-	-	10	10	450
	Lympne ...	1009·6	-10	SSW	5	q/d	59	97	6	6	-	-	10	10	220
	Manston ...	1008·2	-14	SSW	5	q/r	62	85	8	6	2	-	7-8	10	800
2	Shoeburyness ...	1007·5	-12	SW	4	c	63	85	8	5	2	-	9+	10	1500
	Felixstowe ...	1006·3	-26	SW	4	d.d.	62	97	7	6	2	-	9+	10	450
	Gorleston ...	1006·5	-24	SSE	4	ir.	58	85	6	6	-	-	10	10	1500
	Mildenhall ...	1004·2	-32	SSE	4	c	61	92	8	6	2	4	7-8	10	800
	Cranwell ...	1004·6	-28	SE	4	d.d.	56	92	5	6	-	-	10	10	450
3	Birmingham ..	1002·9	-10	SW	3	bc	66	85	7	9	-	-	4-6	4-6	1500
	Upper Heyford	1005·0	-20	WSW	3	c/d	67	85	8	9	-	-	9+	9+	800
4	Ross-on-Wye	1003·7	-6	SW	5	c	67	75	8	9	-	-	9	9	2500
5	Bristol ...	1005·2	-10	W'S	4	c	70	75	8	5	-	9	4-6	7-8	1500
	Portland Bill ...	1007·6	-6	WSW	5	o	61	92	6	5	-	-	10	10	1500
	Plymouth ...	1007·9	-2	WSW	6	bc	64	85	7	7	3	-	2-3	2-3	1500
	The Lizard ...	1009·6	+4	WSW	6	c	62	85	7	8	6	-	7-8	7-8	1500
	Scilly (St.Mary's)	1009·3	+14	W	6	c	64	75	7	5	4	-	4-6	7-8	1500
	Guernsey ...	1011·6	-8	SW	5	q	65	86	7	5	-	-	10	10	2500
6	Pembroke ...	1002·9	+4	W'S	6	q	60	92	7	5	-	-	9+	9+	2500
7	Holyhead ...	999·9	-2	N	6	d.d.	56	97	5	5	-	-	10	10	220
	Chester(Sealand)	1001·3	-20	SE	3	dd	62	97	5	6	2	-	9	10	450
8	Manchester ...	1002·2	-22	ESE	3	id.	59	92	5	6	2	-	9	10	800
10	Spurn Head ...	1004·8	-12	SSE	4	pr.	60	92	7	5	2	-	7-8	10	800
	Catterick ...	1003·5	-10	SSE	2	id.	60	75	6	6	2	-	7-8	10	1500
	Tynemouth ...	1004·1	-6	E	2	bc	60	75	8	7	-	1	4-6	4-6	2500
11	St Abbs Head	1004·4	0	NE	1	c	57	85	7	8	7	9	7-8	9	2500
	Leuchars ...	1003·6	-2	E	2	c|p	63	65	8	8	7	-	7-8	10	2500
12	Renfrew (Abbotsl.)	1004·1	-2	W'N	2	c	62	65	9	5	-	-	10	10	2500
	Eskdalemuir ...	1003·4	-6	W'S	1	r	58	75	8	6	2	-	7-8	10	1500
	Point of Ayre...	1003·7	-2	NNE	2	c/r	56	92	7	8	2	-	2-3	10	1500
13A	Tiree	1005·3	+2	NNW	2	c	60	75	8	7	3	-	4-6	7-8	2500
13B	Stornoway ...	1005·3	0	WNW	3	c	58	85	9	5	7	-	9	10	1500
15	Dalwhinnie ...	*	-6	-	0	c	59	75	8	4	6	-	7-8	10	4000
	Aberdeen ...	1003·6	0	NW	2	c	61	75	8	7	8	-	9+	9+	2500
	Wick ...	1003·1	0	NW	2	r.r.	56	85	7	5	2	-	7-8	10	800
16	Lerwick ...	1001·3	-4	N	3	c	56	97	7	5	2	-	9	10	450
17	Blacksod Point	1008·9	+12	NW	4	c	56	85	8	9	-	-	10	10	1500
18	Malin Head ...	1005·6	+8	N	1	c	55	92	7	9	2	-	7-8	10	1500
	Aldergrove ...	1005·3	+10	NNW	3	rr	54	92	6	6	2	-	9	10	800
19	Birr Castle ...	1007·2	+26	WN	1	c/r	55	92	8	6	2	-	4-6	10	1500
20	Valentia Obsy. †	1011·3	+22	NW'N	5	c	60	75	8	8	-	-	9	9	1500
	Roches Point	1007·7	+40	NW	6	c	61	75	9	3	-	3	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 23rd July

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1004·6	-8	SW'S	4	c	68	75	8	8	-	4	7-8	7-8	2500	1	*
	Croydon ...	1005·0	-10	SSW	5	bc	65	85	8	5	4	4	2-3	4-6	1500	1	*
	S. Farnborough	1005·1	-4	SSW	5	bc	66	75	7	5	-	9	4-6	4-6	1500	1	*
	Boscombe Down	1006·0	+10	W'S	4	c	66	85	8	5	-	9	7-8	7-8	1500	1	*
	Calshot (Sthmtn.)	1007·1	-14	SW	5	bc	64	85	7	5	4	9	1	2-3	800	1	4
	Lympne ...	1007·0	-14	SW	5	c	62	85	6	5	-	-	9+	9+	1500	1	6
	Manston ...	1005·5	-14	WSW	5	c	65	76	7	8	4	-	7-8	7-8	800	1	*
2	Shoeburyness ...	1005·7	-16	SW	5	bc	67	75	8	2	7	-	4-6	4-6	1500	1	*
	Felixstowe ...	1004·7	-10	SSW	4	bc	68	75	9	5	4	4	2-3	4-6	1500	1	3
	Gorleston ...	1003·1	-18	S	3	c	66	85	6	6	-	-	7-8	7-8	2500	1	2
	Mildenhall ...	1002·3	-12	W	3	c/pr	69	85	8	8	-	-	9	9	1500	1	*
	Cranwell ...	1002·1	-4	SW'W	4	c	65	75	7	8	-	-	9+	9+	1500	1	*
3	Birmingham ..	1003·2	+2	WSW	3	c/pr	61	97	7	5	7	-	4-6	7-8	1500	1	*
	Upper Heyford	1004·6	+8	WSW	4	c	64	75	8	8	-	4	4-6	7-8	1500	1	*
4	Ross-on-Wye	1005·2	+10	W	5	c/pr	60	75	8	6	-	-	9+	9+	2500	1	*
5	Bristol ...	1006·5	+10	W	5	c/r	60	85	8	5	-	-	10	10	1500	1	*
	Portland Bill ...	1006·6	-6	WSW	6	c	61	85	7	4	4	-	4-6	7-8	2500	1	5
	Plymouth ...	1009·6	+14	NW	5	c	60	75	8	5	-	-	9+	9+	1500	1	3
	The Lizard ...	1010·8	+8	W'N	4	c	59	75	8	8	6	-	4-6	7-8	2500	0	3
	Scilly (St.Mary's)	1011·5	+4	NW'W	3	c	61	75	8	5	8	9	2-3	7-8	2500	0	2
	Guernsey ...	1011·2	-2	W'N	4	c	62	92	6	8	-	-	10	10	1500	1	4
6	Pembroke ...	1007·0	+30	NW	2	c	57	92	8	7	8	-	4-6	9	2500	1	3
7	Holyhead ...	1005·8	+24	NW'W	4	c	56	85	7	9	8	-	4-6	7-8	1500	1	3
	Chester(Sealand)	1003·3	+28	WNW	6	RR	56	92	5	6	2	-	9	10	450	1	*
8	Manchester ...	1001·1	+4	W'N	5	c/d	60	85	5	5	-	-	10	10	450	1	*
10	Spurn Head ...	1001·0	-18	E	3	c	57	97	6	5	3	-	7-8	9+	1500	1	2
	Catterick ...	1002·3	-8	NNE	2	r.r.	55	97	5	6	2	-	9+	10	800	1	*
	Tynemouth ...	1003·3	-6	E	2	ir.	56	92	7	-	2	-	10	10	1500	1	1
11	St Abbs Head	1003·5	-8	S	1	ir.	58	85	7	5	2	-	7-8	10	800	1	1
	Leuchars ...	1003·6	-2	W	1	c	61	75	8	5	2	-	7-8	10	2500	1	*
12	Renfrew (Abbotsl.)	1004·0	0	WNW	2	c	59	75	9	5	2	-	4-6	10	5700	0	*
	Eskdalemuir ...	1003·4	0	N'E	1	rr	56	92	7	6	2	-	10	10	800	1	*
	Point of Ayre...	1004·8	+6	N'W	4	c	56	92	8	8	"	-	9+	9+	1500	1	3
13A	Tiree	1005·9	+2	NNW	2	c	57	85	8	5	"	-	9	9	2500	0	2
13B	Stornoway ...	1005·1	0	NW	3	c	57	85	8	5	7	-	9	10	1500	1	1
15	Dalwhinnie ...	+	+4	-	0	d	56	92	6	4	-	-	10	10	2500	1	*
	Aberdeen ...	1003·7	0	NNE	2	ir.	58	85	7	6	2	-	7-8	10	800	1	0
	Wick ...	1003·2	0	NW	3	c	55	82	7	5	2	-	7-8	10	1500	1	2
16	Lerwick ...	1001·8	+6	NNE	2	o	54	97	5	5	-	-	10	10	220	0	*
17	Blacksod Point	1009·1	0	NW	4	c	56	85	8	9	-	-	9	9	1500	0	3
18	Malin Head ...	1006·1	+6	N	1	c/pr	55	97	7	9	7	-	4-6	9	1500	1	1
	Aldergrove ...	1006·1	+4	NW'W	3	c/r	55	92	8	9	3	-	4-6	9+	800	1	*
19	Birr Castle ...	1008·0	+12	NW	1	c	60	75	8	9	1	-	7-8	9+	1500	1	*
20	Valentia Obsy. †	1012·0	+2	W'N	3	c	58	75	8	5	-	1	9+	9+	1500	1	3
	Roches Point	1010·1	+6	WNW	5	c	60	65	9	2	4	5	2-3	7-8	2500	1	3

PAST 24 HOURS.

Weather. 7h.—13h. 23rd. (37)	13h.—18h. 23rd. (38)	18h. 23rd to 1h. 24th. (39)	1h.—7h. 24th. (40)
cid.cd.	cdc	c	cbcb
cdd.d.r.	cd.d.c	bcc	cbcb
ddd.d.d.	od.m.cbc	bccbcc	cbw
cd.d.c	c	cbc	bcbbc
cDrrm	cid.m.	bcbw	bwbc
FDDrdd.	oi.dm.	bwc.b	bwc.b
o.d.d.r.r.	oir.c	cbccbc	bccbc
m.ddidc	cbc	bccbw	bwbcb
cir.cdr	cd.d.cbbc	bcc	c
o.r.	oir.c	c	oir.
r.r.rrm.	c	bcc	c
or.r.d.dd.d.d.d.pr.c	cr.r.	cr.r.d.d.	
rrc	cpr.	cbc	bcc
orRd.d.m.	cq	bccp.c	bcwbbc
d.rcq	cqp	cbc	bwbcc
drd.d.	bcor.	cbcm.w	bccm.
oiroz.	oc	c	c
crrid.mbc	bbcc	cbbc	bwcbm.
pmfc	cbcqc	cbccw	cbcw
d.mbcc	c	cbcc	cbcw
ocq	cqprc	corr.	cr.c
cm.irq	cqc	cbcw	cir.bc
d.r.fo	d.ir.c	c	id.m.c
r.r.ddc	cddRRq	RRm.bc	bccp.r.
r.r.ddi.	cd.om.	c.cpr	cbccm.
cr.r.d.d.	cd.d.r.r.	cd.d.c	bcw
cDrrm	cid.m.	bcbw	bwbc
FDDrdd.	oi.dm.	bcm.bw	bwc.b
o.d.d.r.r.	oir.c	cbccbc	bccbc
m.ddidc	cbc	bccbw	bwbcb
cir.cdr	cd.d.cbbc	bcc	c
o.r.	oir.c	c	oir.
r.r.rrm.	c	bcc	c
o.r.r.d.d.d.d.pr.c	cr.r.	cr.r.d.d.	
rrc	cpr.	cbc	bcc
orRd.d.m.	cq	bccp.c	bcwbbc
d.rcq	cqp	cbc	bwbcc
drd.d.	bcor.	cbcm.w	bccm.
oiroz.	oc	c	c
crrid.mbc	bbcc	cbbc	bwcbm.
pmfc	cbcqc	cbccw	cbcw
d.mbcc	c	cbcc	cbcw
ocq	cqprc	corr.	cr.c
cm.irq	cqc	cbcw	cir.bc
d.r.fo	d.ir.c	c	id.m.c
r.r.ddc	cddRRq	RRm.bc	bccp.r.
r.r.ddi.	cd.om.	c.cpr	cbccm.
cpr.	circ	corr	irmc
cr.m.d.	rdmr.r.	om.r.r.	r.cr.r.
bc	bcoir.	o	oir.
c	cir	cm.	m.irq
r.r.ddc	cddRRq	RRm.bc	bccp.r.
cpr.	circ	corr	irmc
cr.m.d.	rdmr.r.	om.r.r.	r.cr.r.
bc	bcoir.	o	oir.
c	cir	cm.	m.irq
cir	c	cr.r.dc	cir.rr
bc	cpir.c	c	cir.
cbcr	c r r	rrr.	circ
cr.r.	cir.	cbc	c
c	c	c	corr
c	c	cd.d.r.r.	cr.r.
c	cdodo	*	cr.r.r.
vbcv	cvcr.	cr.R	cr.r.
oidr.	cr.rc	c	bddc
c	coem.	d.d.m.	ddd.
pr.c	pr.c	pr.c	prc
cr.r.	c	cpr	c
cr.Rrr	rr.iRc	c.r.c	c.r.r.c
crrir	circ	c	cir
cbcpcc	cbcc	cpr.pr	cpr.pr
cidcv	cv	cvcw	cwc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r., slight rain. rr, continuous rain. , less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

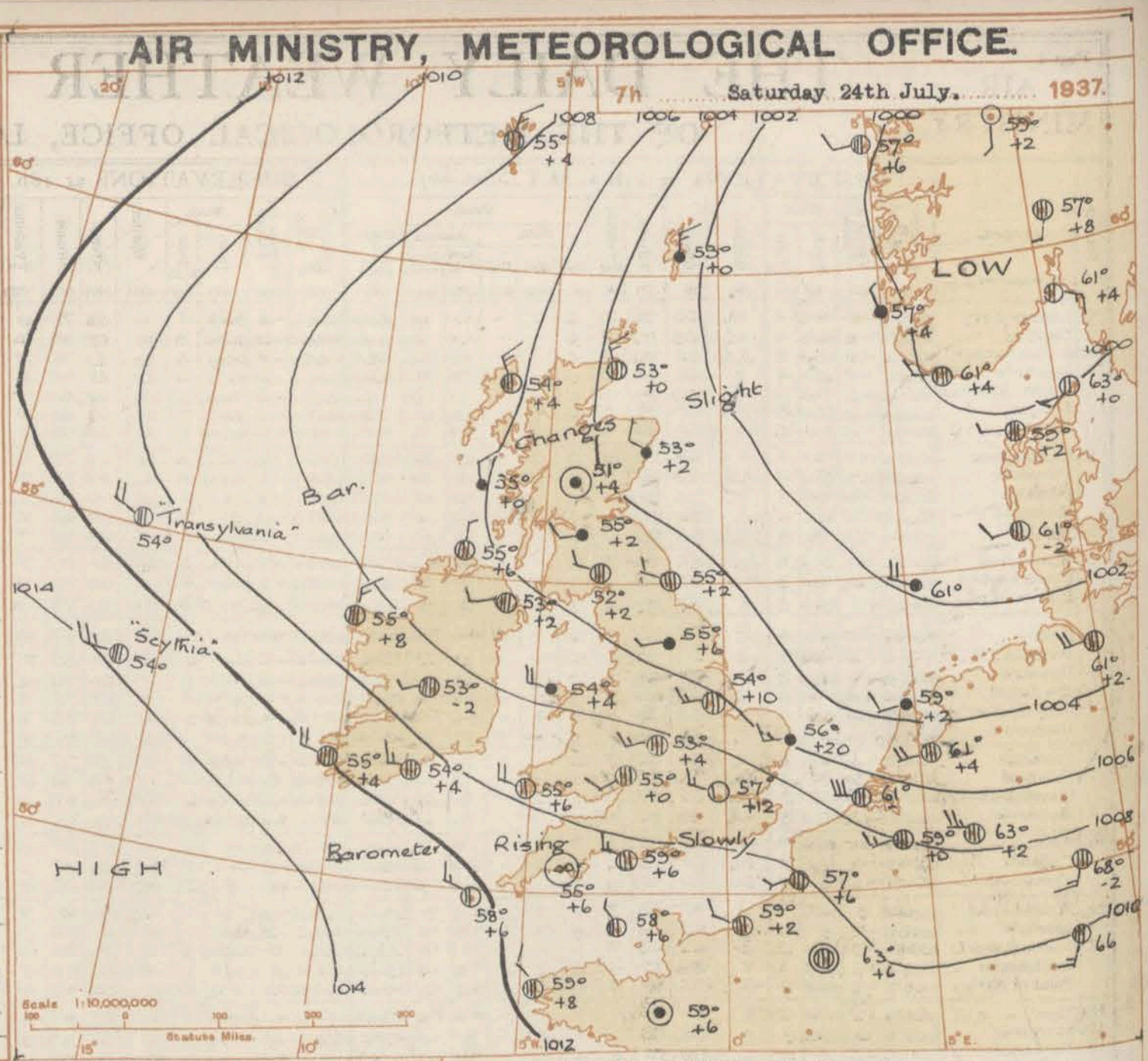
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† See disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 23rd July 1937.

Districts.	Stations.	Weather Fore-noon.	Weather After-noon.	Temperature (°F) Min. 9h. 22nd to 9h. 23rd	Temperature (°F) Max. 9h.—17h. 23rd.	Rainfall (mm.) Night. 17h. 22nd to 9h. 23rd	Rainfall (mm.) Day. 9h.—17h. 23rd.	Sunshine (Hrs.) Sunrise to 17h. 23rd.	Sunshine (Hrs.) Sunrise to Sunset. 22nd
1	Tunbridge W.	odor	odo	51	63	2	1	0·0	5·6
	Bournemouth	r₀o	cbcb	57	65	4	0·3	1·7	6·3
	Ventnor ...	orm	odmc	56	62	3	3	0·1	5·4
	Southsea ...	ordo	ocbcc	57	64	6	1	0·3	5·3
	Bognor Regis	rr₀	rcirc	56	64	8	4	0·1	6·2
	Littlehampton	orrd	oidc	55	63	7	4	0·0	5·2
	Worthing ...	or	orc	55	63	4	7	0·0	3·7
	Brighton ...	r	ro	57	63	4	7	0·0	3·8
	Eastbourne† ...	rrdd	ddo	57	63	3	12	0·0	5·5
	Hastings† ...	ordrd	odo	54	62	1	9	0·0	5·7
	Folkestone ...	qDd	ro	51	62	1	4	0·0	6·8
	Dover ...	dor	rdo	54	63	1	3	0·0	5·6
	Deal	r₀od	dod₀	55	63	-	Trace	0·0	6·5
	Ramsgate ...	cp	c	55	65	Trace	0·2	0·0	4·7
	Margate ...	cd₀	cd₀bc	53	66	0·2	Trace	0·5	4·4
2	Southend ...	ad	obcc	55	68	0·5	Trace	1·7	4·7
	Maldon ...	orr	rcb	55	69	1	4	2·0	6·6
	Clacton-on-Sea	oirr	orcbc	55	68	0·1	7	1·7	4·9
	Dovercourt ...	ocroc	rocbc	56	70	-	4	1·2	4·2
	Lowestoft ...	ccr	cirbc	52	67	1	1	0·4	5·3
	Skegness ...	oir₀	oirbc	53	67	Trace	0·3	0·9	4·3
	Mablethorpe...	cp	codo	52	64	-	Trace	0·2	4·3
	Cleethorpes ...	cbc	cr	53	64	-	0·5	0·4	4·0
3	Leamington S.	opc	bc	53	71	7	0·2	3·2	2·6
4	Cheltenham†	or₀oc	bcc	53	69	4	Trace	2·4	2·2
5	Bath	cd₀bc	bccd₀	55	73	1	Trace	3·7	4·8
	Weymouth ...	rc	cb	56	68	3	Trace	2·7	7·3
	Jersey ...	o	opo	60	67	-	Trace	0·0	4·9
	Torquay ...	modp₀	cdpbcq	56	67	2	0·2	4·9	8·3
	Penzance ...	rcbcb	bc	56	66	2	-	6·1	6·7
	St. Ives ...	d	c	57	67	1	-	5·9	7·1
	Bude... ...	cr₀c	od	56	64	5	Trace	1·4	7·9
	Ilfracombe ...	corr	cpcpo	55	66	7	0·2	2·4	3·5
6	Aberystwyth	Rrpr	prc	52	62	13	4	9·0	2·2
7	Llandudno ...	odcr	ccr₀c	53	64	1	1	0·2	2·8
	Colwyn Bay...	obcpc	opo	52	69	0·5	1	0·8	1·3
	Rhyl	orid₀	cid₀	52	67	2	0·3	0·6	2·4
8	Wallasey ...	cr₀	cr₀roir	54	65	0·5	2	0·3	1·4
	Southport ...	rord	dcoird	55	63	1	3	0·1	2·3
	Blackpool ...	oid	oidod	56	57	0·5	4	0·0	0·8
	Morecambe ...	cirer	rrorr	56	60	1	11	0·2	2·0
9	Ilkley... ...	c	corr	54	62	3	2	0·0	1·3
	Harrogate ...	cd	dcrr	53	58	-	3	0·2	1·4
10	Berwick-on-T.	cbcc	cr₀o	52	63	-	Trace	3·6	3·4
11	Dunbar ...	bc	bcm₀	52	61	-	-	2·2	4·9
12	Troon... ...	cbcc	prorp	56	59	-	1	0·2	3·3
	Douglas ...	cir	cbq	51	56	0·5	4	0·7	1·2

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. In tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th July, 1937.
1 S.E. England 2 E. England	Light or moderate westerly winds, bright periods at first but becoming cloudy with light rain locally; rather cool.
3 E. Midlands 4 W. Midlands	Light or moderate westerly or northwesterly winds, mainly cloudy with light rain at times; rather cool.
5 S.W. England 6 South Wales	Light or moderate west or northwest winds, mainly fair apart from scattered showers; rather cool.
7 North Wales 8 N.W. England	As 3 - 4.
9 N. Midlands 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light or moderate westerly or northwesterly winds, mainly cloudy with occasional rain at first; rather cool.
13 {A. W. Scotld. B.N.W.Scotland} 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland	Light or moderate north or northwest winds, mainly cloudy with occasional showers; rather cool.
18 N. E. Ireland 19 S. E. Ireland	As 9 to 12.
20 S. W. Ireland	As 5 to 8.

GENERAL INFERENCE.

Pressure is low over Scandinavia and high to the west of Ireland. There will be some rain over Southern Scotland and Northern England which will spread southeastwards. In the Southwest it will be mainly fair apart from scattered showers; rather cool generally.

FURTHER OUTLOOK.

Probably mainly fair apart from showers; rather cool.

Forecasts issued at 1030 G.MT.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
SATURDAY 24TH JULY,
1937.

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 24th July, 1937.

No. 27638.

OBSERVATIONS at 1 hr. G.M.T. 24th July

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1007.7	+12	W	4	c	58	85	8	5	–	–	10	10	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1008.0	+6	WSW	3	bc	55	92	8	–	3	–	0	4.6	–
	Manston ...	142	1006.3	+2	WSW	4	bc	57	92	8	–	7	–	0	4.6	–
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1008.6	0	SW'W	3	c	58	92	7	5	–	–	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1009.8	+6	WNW	3	c	58	85	8	4	4	–	4.6	9	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1011.4	0	W'N	1	c	55	97	6	4	–	–	7.8	7.8	4000
	Scilly (St. Mary's)	163	1011.9	–2	WNW	2	c	56	97	8	5	5	–	4.6	7.8	2500
	Guernsey ..	175	1011.6	0	W'N	1	c	56	97	8	6	–	–	10	10	1500
6	Pembroke ...	142	1008.6	+4	WNW	3	bc	56	85	8	5	6	–	1	4.6	4000
7	Holyhead ...	26	1007.0	0	WNW	4	c	56	85	8	5	4	–	7.8	9+	4000
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1002.3	+14	NW	5	c.c	55	97	6	5	–	–	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1004.5	+4	NW	2	0	56	92	6	5	–	–	10	10	1500
11	St.Abbs Head	280	1004.1	–6	NNW	3	c	56	92	6	5	2	–	7.8	10	800
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1006.3	+2	NNW	3	bc	54	92	8	5	4	–	1	4.6	800
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1005.6	0	N	2	c.c	54	97	6	5	2	–	7.8	10	1500
15	Dalwhinnie ...	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1003.8	+4	NW	3	c	53	92	8	5	2	–	7.8	10	1500
16	Lerwick ...	156	1002.6	+4	N	3	d.d.	53	97	6	5	–	–	10	10	220
17	Blacksod Point	18	1008.5	–6	W	4	c	54	92	8	9	–	–	9	9	1500
18	Malin Head ...	84	1007.0	0	W'N	1	c/pr	55	97	7	9	2	–	7.8	9+	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1011.5	0	W	2	bc	54	97	8	4	–	–	4.6	4.6	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 24th July

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility. 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1005.5	+12	WSW	3	b	57	75	8	5	7	–	Tr	Tr	4000	1	*
1009.1	+14	W'N	3	b	55	85	8	1	4	–	Tr	1	4000	0	*
1003.2	+12	W	2	b	56	85	8	8	–	1	Tr	Tr	4000	1	*
1003.6	+4	WSW	2	c	54	92	7	5	3	–	1	7.8	800	1	*
1010.1	+4	SW'S	2	c	57	85	8	2	5	1	Tr	2.3	2500	0	1
1003.4	+12	W'N	3	b	55	85	8	1	3	1	Tr	1	1500	1	§3
1008.2	+14	WSW	3	bc	56	85	7	7	–	–	4.6	4.6	1500	1	*
1008.4	+10	W'N	4	b	58	78	8	1	4	–	Tr	1	2500	1	*
1006.7	+14	W	4	c	57	85	7	5	–	–	9+	9+	1500	1	3
1005.6	+20	W'S	3	ir.	56	92	6	6	–	–	10	10	1500	1	2
1006.8	+12	W	3	c	55	92	7	6	2	–	4.6	10	1500	1	*
1006.9	+10	W'S	3	c	54	97	7	5	–	–	9+	9+	2500	1	*
1008.4	+4	WSW	3	c	58	85	8	5	–	–	9+	9+	5700	1	*
1009.1	+6	WSW	2	bc	54	85	8	5	3	9	2.3	4.6	5700	0	*
1008.6	0	SW	2	c	55	85	5	5	3	–	1	9+	7200	1	*
1009.3	0	W	2	2.	58	85	6	6	3	–	2.3	9	1500	1	*
1010.1	+6	WNW	3	c	59	85	8	4	4	–	4.6	7.8	2500	1	3
1010.5	+6	–	0	2.	55	92	5	8	3	–	1	2.3	1500	1	0
1011.7	+2	W'N	2	bc	57	92	8	8	–	–	2.3	2.3	2500	0	2
1012.1	+6	NW'N	3	bc	58	85	8	8	4	–	2.3	4.6	1500	0	2
1011.6	+6	NW'N	1	c	58	92	9	8	–	–	7.8	7.8	2500	1	2
1003.0	+6	W'N	4	bc	55	85	8	5	7	–	4.6	4.6	2500	1	3
1007.4	+4	W'N	4	id.	54	92	6	5	2	–	7.8	10	800	1	2
1007.1	+4	W	3	pr	56	85	7	5	3	–	7.8	9	2500	1	*
1006.7	+4	WSW	3	2.	56	92	6	8	–	–	9+	9+	1500	1	*
1005.5	+8	NW'W	4	c	57	97	6	5	2	–	7.8	10	1500	1	3
1005.1	+6	WSW	1	c.c	55	92	7	5	2	–	4.6	10	2500	1	*
1004.6	+2	WNW	2	c/r	55	85	6	6	2	–	2.3	10	1500	1	1
1004.3	+4	WNW	2	ir	55	92	6	5	2	–	7.8	10	1600	1	1
1003.9	+2	WSW	2	c.c	55	97	8	5	2	–	4.6	10	4000	1	*
1005.0	+2	W'S	2	ir.	55	92	8	5	2	–	7.8	10	1500	0	*
1004.9	+2	WNW	2	c	52	92	6	5	2	–	4.6	10	1500	1	*
1006.4	0	NW'W	3	c	55	97	8	8	2	–	7.8	10	800	1	2
1006.0	0	N'W	2	DD	55	97	7	6	2	–	7.8	10	1500	1	2
1006.5	+4	NNW	3	c	54	92	8	5	2	–	7.8	10	1500	1	1
*	+4	–	0	c/r	51	97	7	5	6	–	9	10	1500	1	*
1003.4	+2	NW'N	2	ir.	53	97	8	6	2	–	9	10	800	1	1
1003.1	0	NNW	3	c	53	97	7	5	2	–	7.8	10	1500	1	1
1002.6	0	N	3	d.d.	53	97	7	5	2	–	7.8	10	450	1	*
1008.4	+8	N	3	c	55	92	8	9	–	–	10	10	1500	0	3
1006.5	+6	N	1	c	55	97	7	4	–	–	9+	9+	1500	1	2
1006.7	+2	W'S	2	c/r	53	92	8	6	7	–	9	10	450	1	*
1008.8	–2	WSW	1	c/r	53	97	7	5	–	–	10	10	2500	1	*
1012.0	+4	WNW	4	c/pr	55	85	7	5	–	–	10.	10	800	1	3
1010.8	+4	W	3	c	54	92	8	5	4	1	4.6	7.8	1500	1	2

PAST 24 HOURS.

State of Ground. 0–9 (29)	Sea. 0–9 (30)	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 23rd Hrs. (36)
1	*	70	52	48	0.6	–	3.3
1	*	68	51	48	0.3	–	3.3
1	*	66	48	39	1	–	3.0
1	*	70	46	42	2	–	4.6
1	*	65	49	47	5	–	0.3
1	§3	62	52	49	5	Tr	0.0
1	*	65	55	53	Tr	–	1.0
1	*	68	54	50	0.3	–	1.7
1	3	68	56	55	4	–	2.6
1	2	68	55	54	4	Tr	0.8
1	*	70	54	54	3	–	2.8
1	*	67	53	53	3	1	0.1
1	*	68	50	47	4	–	1.4
1	*	72	47	41	5	Tr	*
1	*	68	50	44	3	–	1.7
1	*	71	46	41	1	–	3.4
1	3	62	55	*	1	–	*
1	0	64	51	41	2	–	4.2
1	2	64	54	*	0.1	–	*
1	2	65	54	*	0.1	–	6.8
1	2	66	55	50	0.2	4	0.4
1	3	61	52	*	0.2	0.6	1.3
1	2	59	54	53	1	Tr	0.0
1	*	60	54	53	2	1	15
1	*	66	51	46	2	0.1	0.0
1	3	64	54	*	6.3	1	0.2
1	*	67	54	53	7	2	1.4
1	1	62	55	53	1	0.5	4.4
1	*	61	54	*	0.2	0.5	*
1	*	65	54	53	–	0.5	1.4
1	*	63	53	52	Tr	Tr	2.4
1	*	60	50	50	4	2	1.2
1	2	57	53	*	2	–	1.0
1	*	62	54	53	–	2	1.4
1	*	59	52	*	–	2	0.2
1	*	61	50	50	0.2	2	0.3
1	1	63	53	52	Tr	6	3.0
1	1	56	52	*	0.6	0.4	*
1	*	56	51	*	–	0.1	0.0
1	*	57	50	*	1	2	*
1	*	57	53	*	2	0.1	0.0
1	*	56	51	51	8	0.2	0.0
1	*	61	51	49	5	0.6	0.7
1	3	60	53	49	Tr	2	5.9
1	2	63	54	*	Tr	Tr	*

LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon
9h—18h. Kensington.
9h–21h. other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew...	18	cld.cd.	cd.c	cbcb	70	52	48	0.6	–	3.3	*	*	8
Croydon	317	cd.d.d.	cd.d.c	bc.cbcb	68	51	48	0.3	–	3.3	*	*	6
Greenwich (Royal Observatory)...	149	cdc	cbcc	cb	73	52	45	Tr	–	2.6	72	63	8
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2.3	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	70	53	49	0.1		2.7	75	65	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	70	52	49	0.1	–	2.4	77	67	*
Camden Square	110	c	c/c	*	69	53	48	Tr	–	*	At 18h.	56	*
Kensington	80	cc.bc	bc	*	70	52	47	0.2	–	3.5	73	69	*
Hampstead Observatory	450	cd.cb	cb.bc	bc	67	48	45	0.5	–	2.4	*	*	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 23rd July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 24th July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1011.0	WSW	3	c	79	1010.3	–	0	c	63
Brussels	1009.0	SW	2	ir.	63	1007.8	WSW	3	c	59
Berlin	1008.5	W	5	c	64	1005.6	SW'S	4	c	64
Zürich	1013.2	NW	1	b	77	1012.8	NW	1	bc	64
Rome										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
81	61	–	–
66	57	3	–
70	55	Tr	–
81	59	–	–
*	*		

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 whole period			

Kew Observatory. Max.	Time.	Min.	Time.
0.1 whole period			

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 25th July, 1937.

No. 27639.

OBSERVATIONS at 13h. G.M.T. July 24th.

Dist.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	Sunshine 23rd Hrs. (36)
1	London (Kew)	1008·3	0	WSW	3	c	65	55	8	8	–	–	9	9	2500	3·3
	Croydon ...	1008·3	+2	WNW	4	c	66	56	8	8	6	–	7-8	9+	4000	3·3
	S. Farnborough	1008·4	−2	W	3	c	66	45	7	2	3	–	4-6	7-8	4000	3·0
	Boscombe Down	1009·4	0	W'N	4	c	61	55	8	8	–	–	7-8	7-8	2500	4·6
	Calshot (Sthmtn.)	1009·7	−2	W	4	bc	66	56	8	8	4	–	4-6	7-8	2500	0·3
	Lympne ...	1008·9	−4	SW'S	3	c	68	55	8	7	6	–	7-8	7-8	2500	0·0
	Manston ...	1007·8	−2	WSW	4	bc	69	45	8	8	3	–	2-3	4-6	4000	1·0
2	Shoeburyness ...	1007·9	−4	WSW	4	bc	67	55	8	2	6	–	4-6	7-8	2500	1·7
	Felixstowe ...	1007·6	−2	WSW	3	c	65	56	8	8	3	–	4-6	7-8	2500	2·6
	Gorleston ...	1006·6	+6	W'N	3	c	60	85	6	8	–	–	7-8	7-8	2500	0·8
	Mildenhall ...	1007·1	0	W'N	4	c/pr.	63	65	8	8	7	3	7-8	9	4000	2·8
	Cranwell ...	1006·7	+2	W'N	3	c/pr	60	92	7	8	–	–	7-8	9	2500	0·1
3	Birmingham ...	1008·1	+2	W	3	pr	56	85	8	8	6	–	7-8	9	2500	1·4
	Upper Heyford	1008·5	−2	W'N	4	c	65	55	8	8	7	–	7-8	9	4000	*
4	Ross-on-Wye	1008·7	+4	W	4	bc	63	56	8	2	4	–	2-3	4-6	4000	1·7
5	Bristol ...	1009·9	+4	W	4	jp	61	75	8	8	–	–	7-8	7-8	2500	3·4
	Portland Bill ...	1010·3	+2	WSW	4	c	62	75	8	4	4	–	7-8	7-8	2500	*
	Plymouth ...	1011·0	+2	W'S	4	pr	63	65	8	8	–	–	7-8	7-8	1500	4·2
	The Lizard ...	1012·3	+4	W	3	bc	64	75	8	2	–	–	2-3	2-3	2500	*
	Scilly (St. Mary's)	1013·0	+4	WNW	4	bc	65	65	8	2	–	–	2-3	2-3	2500	6·8
	Guernsey ...	1012·0	+6	NW'W	3	bc	65	65	9	2	–	–	4-6	4-6	2500	0·4
6	Pembroke ...	1008·6	0	W	4	q	59	75	8	5	7	–	7-8	9	2500	1·3
7	Holyhead ...	1008·0	+6	SW'W	4	c	57	85	8	8	7	–	7-8	9+	1500	0·0
	Chester (Sealand)	1007·4	+2	W'N	4	pr.	59	75	8	8	2	–	9	10	1500	1·5
8	Manchester ...	1007·2	+6	W	4	c/pr	57	85	7	8	–	–	10	10	1500	0·0
10	Spurn Head ...	1006·3	0	WNW	4	c	60	85	7	5	7	–	4-6	10	1500	0·2
	Catterick ...	1005·1	+2	WNW	2	c	59	75	8	4	2	–	7-8	9+	2500	1·4
	Tynemouth ...	1005·2	0	W	2	ir.	58	85	6	–	2	–	10	10	800	4·4
11	St. Abbs Head	1003·6	+2	WNW	2	RR	55	97	6	5	2	–	7-8	10	800	*
	Leuchars ...	1003·9	+2	W	2	rr.	57	92	6	6	2	–	9+	10	800	1·4
12	Renfrew (Abbotsl.)	1004·8	0	WNW	3	pr.	61	85	8	5	–	–	10	10	2500	2·4
	Eskdalemuir ...	1004·5	0	W	3	r.	56	85	7	5	2	–	4-6	10	800	1·2
	Point of Ayre ...	1005·3	+2	WNW	3	c	58	85	8	8	2	–	4-6	10	1500	1·0
13a	Tiree	1006·5	+2	N'W	2	c/d	56	92	8	5	2	–	4-6	9	1500	1·4
13b	Stornoway ...	1007·2	+6	N	3	c/d	56	85	8	5	7	–	9	10	1500	0·2
15	Dalwhinnie ...	*	+2	NNW	1	c	54	92	6	4	–	–	10	10	2500	0·3
	Aberdeen ...	1003·5	+2	NNW	3	id.	56	92	8	6	–	–	10	10	1500	3·0
	Wick ...	1003·7	+4	NNW	4	id.	55	97	7	5	2	–	9	10	800	*
16	Lerwick ...	1003·2	0	N	3	o	54	97	6	5	–	–	10	10	220	0·0
17	Blacksod Point	1011·3	+12	NW	3	c	59	75	9	9	–	–	10	10	1500	*
18	Malin Head ...	1007·1	+6	N'W	3	d	56	97	5	9	2	–	7-8	10	800	0·0
	Aldergrove ...	1007·1	+2	NW	3	dr	57	85	6	5	7	–	9+	10	800	0·6
19	Birr Castle ...	1008·0	+4	W'N	1	c/pr	64	75	8	8	7	–	7-8	9+	1500	0·7
20	Valentia Obsy. †	1013·1	+6	NW'W	4	c	58	85	8	5	7	–	9	10	1500	5·9
	Roches Point	1010·5	+2	WNW	4	c/pr	60	75	8	3	1	–	4-6	9	1500	*

OBSERVATIONS at 18h. G.M.T. July 24th

Dist.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1008·8	+4	W'S	3	c	64	55	8	8	–	–	9+	9+	2500	1	*
	Croydon ...	1008·3	0	W	4	c	65	56	8	9	6	–	7-8	9+	4000	0	*
	S. Farnborough	1008·9	+4	WNW	3	c	63	65	8	8	3	9	4-6	7-8	4000	0	*
	Boscombe Down	1009·5	+2	W	3	c	61	65	8	7	7	–	7-8	7-8	4000	0	*
	Calshot (Sthmtn.)	1009·8	+2	SW'W	4	c	62	65	8	8	4	–	2-3	9	2500	0	2
	Lympne ...	1009·0	+2	SW'W	4	bc	64	65	8	1	4	–	2-3	4-6	4000	1	4
	Manston ...	1007·8	0	W	3	bc	66	55	8	7	6	–	1	2-3	4000	0	*
2	Shoeburyness ...	1007·9	0	WNW	2	c	65	55	8	8	–	–	9+	9+	4000	1	*
	Felixstowe ...	1008·0	+4	W	3	c/pr.	61	65	8	5	3	–	7-8	9+	2500	0	2
	Gorleston ...	1006·8	0	WSW	2	c/pr.	57	85	6	8	–	–	9	9	2500	1	2
	Mildenhall ...	1007·4	0	W	3	c	61	85	8	8	6	–	7-8	7-8	4000	1	*
	Cranwell ...	1007·1	+2	W'N	3	c	60	75	7	8	–	–	9+	9+	4000	1	*
3	Birmingham ...	1008·2	0	W	4	c	60	65	8	8	7	–	4-6	7-8	2500	1	*
	Upper Heyford	1009·0	+6	W	4	c	60	75	9	9	7	–	9	9+	2500	0	*
4	Ross-on-Wye	1008·9	0	W	4	id.	60	75	8	8	–	–	10	10	2500	1	*
5	Bristol ...	1010·1	+6	W	4	c	59	75	8	5	–	–	9+	9+	2500	0	*
	Portland Bill ...	1010·4	−2	W	4	bc	61	85	8	4	–	–	4-6	4-6	2500	1	3
	Plymouth ...	1011·4	+2	W'N	4	bc	63	65	8	8	–	–	4-6	4-6	2500	0	2
	The Lizard ...	1012·1	0	W	4	bc	61	75	8	2	–	–	2-3	2-3	4000	0	2
	Scilly (St. Mary's)	1013·0	−4	WNW	5	bc	61	75	8	2	3	–	2-3	4-6	2500	0	3
	Guernsey ...	1012·3	0	WNW	4	bc	61	85	9	1	3	–	2-3	4-6	2500	0	2
6	Pembroke ...	1008·6	−6	W	5	q	59	85	8	57	6	–	2-3	4-6	4000	0	3
7	Holyhead ...	1007·8	0	WSW	3	bc	59	85	8	8	4	–	4-6	4-6	2500	1	2
	Chester (Sealand)	1007·4	0	W'N	4	c	60	75	8	8	2	–	7-8	10	1500	0	*
8	Manchester ...	1007·2	0	W'N	4	c	58	75	7	8	7	–	7-8	9+	1500	1	*
10	Spurn Head ...	1005·4	0	W'S	4	c	60	85	7	5	7	–	4-6	9	2500	1	3
	Catterick ...	1005·1	+2	W'N	3	ir.	59	75	8	4	7	–	7-8	10	4000	0	*
	Tynemouth ...	1004·5	0	W	2	ir.	58	92	6	6	2	–	4-6	10	800	1	1
11	St. Abbs Head	1004·7	0	WNW	2	c/r	54	97	6	5	1	–	7-8	10	800	1	1
	Leuchars ...	1004·7	+6	–	0	c	56	92	8	5	2	–	7-8	10	2500	1	*
12	Renfrew (Abbotsl.)	1005·2	+2	W'N	2	rr.	58	92	8	5	2	–	7-8	10	1500	1	*
	Eskdalemuir ...	1004·9	+2	WNW	3	rr.	56	85	7	5	2	–	7-8	10	800	1	*
	Point of Ayre ...	1006·5	0	W'N	4	c	60	85	8	4	5	–	2-3	7-8	1500	1	2
13a	Tiree	1007·7	+6	N	3	c	56	85	8	5	–	–	9+	9+	1500	0	2
13b	Stornoway ...	1008·2	+6	N	4	c	55	85	8	8	7	–	9	10	1500	1	2
15	Dalwhinnie ...	*	+6	N	2	c	56	92	6	4	–	–	10	10	2500	1	*
	Aberdeen ...	1004·4	+4	NNW	3	id.	55	92	6	6	–	–	10	10	450	1	1
	Wick ...	1005·1	+10	NNW	3	id.	55	97	6	5	2	–	9	10	800	1	1
16	Lerwick ...	1004·1	+4	N	3	o	53	97	6	5	–	–	10	10	450	1	*
17	Blacksod Point	1011·9	+8	NW	3	bc	59	75	9	4	3	–	2-3	7-8	1500	0	3
18	Malin Head ...	1008·3	+10	N	3	c/d	55	97	7	9	2	–	7-8	10	1500	1	2
	Aldergrove ...	1008·1	+10	WNW	4	c/r	57	85	8	5	7	–	9+	10	800	1	*
19	Birr Castle ...	1009·3	+6	W'N	1	c/pr	60	85	8	8	1	–	7-8	9+	1500	1	*
20	Valentia Obsy. †	1013·8	+4	NW	4	pr.	56	92	7	6	–	–	10	10	800	1	3
	Roches Point	1011·0	+4	NW	4	c	61	85	9	3	4	43	4-6	7-8	1500	1	2

PAST 24 HOURS.

Dist.	Stations.	Weather. 7h.–13h. 24th. (37)	Weather. 13h.–18h. 24th. (38)	Weather. 18h. 24th.–1h. 25th. (39)	Weather. 1h.–7h. 25th. (40)
1	London (Kew)	bcc	c	c	c
	Croydon ...	bc, ccy	bc, cbcy	c	c
	S. Farnborough	bbccy	cybcyc	cbc	bcbwbc
	Boscombe Down	bccy	cyc	cpr bc	bcwbc
	Calshot (Sthmtn.)	bcy	bcyc	cbc	b, cbc
	Lympne ...	bbcy	cbcy prbc	bcc	c
	Manston ...	bcbcy	pr. cy	cycbc	c
2	Shoeburyness ...	bbcy	bccy	cyc	c
	Felixstowe ...	cbcc	bcvc pr.	cbc pr. c	c
	Gorleston ...	oir. c	cotlr pr.	c	c
	Mildenhall ...	bcc pr.	cpr.	c	cm. c
	Cranwell ...	c pr.	cpr. r. rc	c	c
3	Birmingham ...	cpr.	cbcc	cbcc	co
	Upper Heyford	bccbcy	cbcyc	cpr. c	c
4	Ross-on-Wye	cp. cv bc	bcycc	p. c	cbcc
5	Bristol ...	cbcp.	cbcjpc	cd. prR	cbcc
	Portland Bill ...	c	cbc	bc	bcc
	Plymouth ...	b cpr. bcc	cpr. cbc	bcbbc	bccpr.
	The Lizard ...	bc	bc	bcc	cbcw
	Scilly (St. Mary's)	bcp.	bccbc	bcc	cbc
	Guernsey ...	cbc	bc	bcbw	bwbcc
6	Pembroke ...	bccq	cbcq	bcq pr. c	bccq
7	Holyhead ...	ir. m. c	c, bc	bcc pr.	c
	Chester (Sealand)	cpr.	cpr. c	cpr	cir.
8	Manchester ...	cpr. pr	cpr. c	cpr r	cir. m
10	Spurn Head ...	pr. c	prc	corr	prro
	Catterick ...	r. c	cr.	or.	oror.
	Tynemouth ...	oir.	or. r.	o	orr
11	St. Abbs Head	m. rrc	ffrro	rffmdc	cfdc
	Leuchars ...	cr. r. r	cr. r. ld	cbcw	bcw
12	Renfrew (Abbotsl.)	ir. o. cpr.	cri. r. r.	cr. r. c	cbc
	Eskdalemuir ...	ccrr	errr.	r. ir.	cbc
	Point of Ayre ...	id. c	c	c ddc	c
13a	Tiree	o id	c	c	c
13b	Stornoway ...	cdd id.	c	cid.	cid.
15	Dalwhinnie ...	crr	cir	oid.	ciro
	Aberdeen ...	ir. id.	oid.	oid.	bcod.
	Wick ...	cid.	cid.	eid.	id. id
16	Lerwick ...	cod. dr.	om.	oddm.	oidom.
17	Blacksod Point	c	bc	bc	c
18	Malin Head ...	cdfdf	cdfdf	c	eid. c
	Aldergrove ...	cc. r. d	cr. d Rr	cir. c	eid. m.
19	Birr Castle ...	cir pr	cpr	cprbc	bcc
20	Valentia Obsy. †	cir. pr. c	cpr.	cpr. c	cbcc
	Roches Point	cpr. e	cpr. cv	cbc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

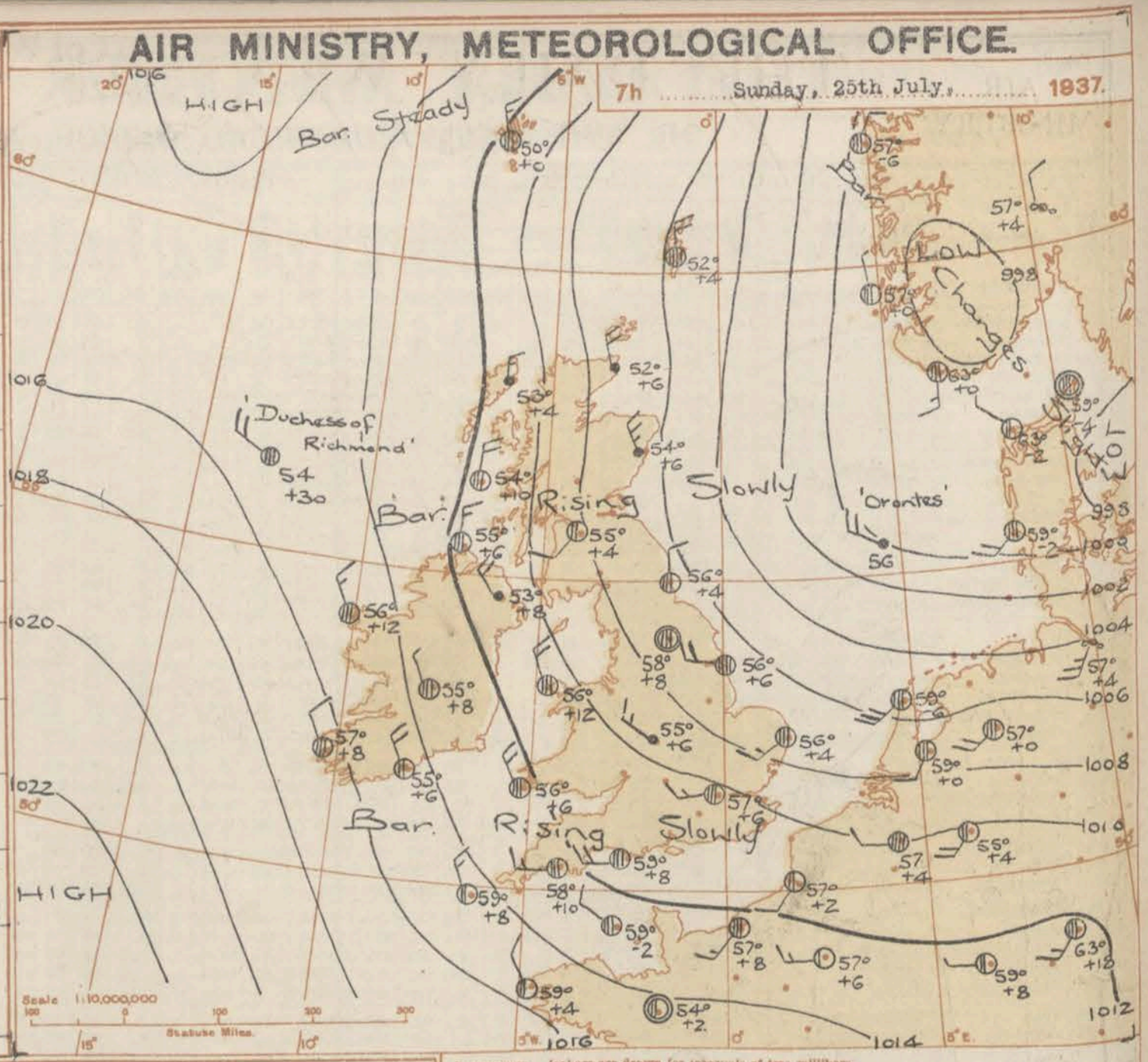
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for July 24th 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 23rd to 9h. 24th.	Temperature. (°F.) Max. 9h.—17h. 24th.	Rainfall. (mm.) Night. 17h. 23rd to 9h. 24th.	Rainfall. (mm.) Day. 9h.—17h. 24th.	Sunshine. (Hrs.) Sunrise to 17h. 24th.	Sunshine. (Hrs.) Sunrise to Sunset. 23rd.
1	Tunbridge W.	bc	bccbc	50	68	–	–	8·0	0·2
	Bournemouth	b	cbcc	49	68	–	–	6·4	2·9
	Ventnor ...	bbc	bobc	53	65	–	–	8·8	0·5
	Southsea ...	bcb	bcbc	52	69	–	–	9·4	1·4
	Bognor Regis	bcbc	bcbc	51	67	–	–	9·8	0·5
	Littlehampton	bc	bc	51	67	–	–	9·4	0·1
	Worthing ...	bbcb	bbcb	51	69	–	–	9·8	0·1
	Brighton ...	bc	cb	53	67	–	–	9·0	0·0
	Eastbourne† ...	b	bbccbv	53	66	0·1	–	10·3	0·0
	Hastings† ...	bbcbc	bcbbc	52	66	Trace	–	10·2	0·0
	Folkestone ...	bc	bcrbc	54	68	–	Trace	9·0	0·0
	Dover ...	ybc	bcp	55	68	–	Trace	10·0	0·0
	Deal	cbbc	cbcbc	54	72	–	–	9·4	0·2
	Ramsgate ...	bbc	bcpbc	55	69	–	0·2	7·9	0·2
	Margate ...	bc	bccd.	56	68	–	Trace	7·0	2·2
2	Southend ...	b	bbcc	53	72	–	–	8·2	2·6
	Maldon ...	b	bcc	54	70	–	–	6·4	3·7
	Clacton-on-Sea	bc	bcc	54	69	–	–	7·2	2·7
	Dovercourt ...	bcv	r.bc	55	68	–	Trace	7·1	3·0
	Lowestoft ...	cbcb	bccrt	50	68	Trace	1	3·5	1·4
	Skegness ...	o	optbc	53	65	1	2	1·0	1·1
	Mablethorpe...	coc	cbcc	53	64	2	–	1·4	0·2
	Cleethorpes ...	crc	c	54	61	1	Trace	0·1	0·4
3	Leamington S.	c	cpbcc	50	67	–	0·5	4·1	3·6
4	Cheltenham†	cbcc	bcirc	50	67	–	1	5·4	2·7
5	Bath	bcc	bcb	49	67	Trace	–	8·1	3·8
	Weymouth ...	c	cbc	52	67	–	–	7·0	3·8
	Jersey ...	rcbc	bc	55	66	6	–	8·8	0·0
	Torquay ...	wcbc	cbry	51	68	–	–	5·5	5·5
	Penzance ...	b	b	54	66	–	–	11·2	6·7
	St. Ives ...	pr	b	56	69	–	Trace	10·7	6·3
	Bude... ...	cbc	bc	57	63	–	–	9·2	1·7
	Ilfracombe ...	bccbc	cbcc	56	64	–	–	7·3	2·5
6	Aberystwyth	cbcc	bcc	55	61	–	–	2·7	0·4
7	Llandudno ...	cir.c	cd.c	54	62	0·2	0·2	0·8	0·2
	Colwyn Bay...	pop	pcbcc	55	62	Trace	0·5	0·2	0·8
	Rhyl	c	cbcc	51	53	0·2	0·1	0·6	0·6
8	Wallasey ...	cir	irc	55	61	1	1	0·3	0·3
	Southport ...	pop	bcpop	55	59	0·1	0·5	0·1	0·1
	Blackpool ...	ocp	copc	54	61	0·3	Trace	1·7	0·0
	Morecambe ...	cidc	dbbcc	54	58	2	0·5	0·2	0·2
9	Ilkley... ...	c	cod.o	54	65	4	0·2	0·4	0·0
	Harrogate ...	c	c	52	61	6	–	0·6	0·2
10	Berwick-on-T.	or	rr.o	54	58	Trace	7	0·0	3·6
11	Dunbar ...	cr.m	crr	53	57	2	3	0·0	2·2
12	Troon... ...	orr.o	r.oro	52	60	1	0·5	0·0	0·2
	Douglas ...	cb	cb	53	59	–	–	0·1	2·3

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
Sea Disturbance. ~~ Rough. ≈≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th July, 1937.
1 S.E. England	Moderate west wind; bright intervals, local showers; average temperature.
2 E. England ... 3 E. Midlands ...	Moderate west wind, fresh locally; bright intervals; local rain and perhaps thunder; rather cool.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate west wind, fresh locally; fair; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Moderate northwest wind, backing west; cloudy, showers; average temperature.
10 N.E. England 11 S.E. Scotland	Moderate or fresh northwest wind; bright intervals, local thundery showers; average temperature.
12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B.N.W. Scotland.} 14 Mid Scotland	Moderate north wind, backing southwest; bright intervals, local rain at first, occasional rain later; average temperature.
15 N. E. Scotland 16 Orkney and Shetland	As 10 - 11.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate northwest wind, backing southwest; bright intervals, local rain; average temperature.

L.D.

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

GENERAL INFERENCE.

Pressure is low to the east and high to southwest of the British Isles. Weather will be fair in the South and West apart from local showers but there will be local rain and perhaps thunder in the North and East

FURTHER OUTLOOK.

Mainly fair in the South; occasional rain in the North.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
SUNDAY, 25TH JULY.
1937.

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. (T) Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 25th July, 1937.
No. 27659.

OBSERVATIONS at 1 hr. G.M.T. July 25th

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1009·8	+2	WSW	3	c	57	85	8	5	-	-	3	3	7200
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1010·3	+2	W'S	3	c	56	85	7	-	3	-	0	9	-
	Manston ...	142	1009·1	+2	WSW	2	c	58	85	8	-	3	-	0	9+	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1007·5	+2	SW	2	c	56	92	7	5	-	-	9+	9+	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1010·8	-6	W	4	bc	59	75	8	4	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1012·8	0	W'S	4	c	56	92	8	5	-	-	9+	9+	2500
	Scilly (St.Mary's)	163	1014·0	+2	WNW	4	c	57	85	6	8	3	-	4-6	7-8	1500
	Guernsey ..	175	1013·3	0	WNW	2	b	56	85	9	-	3	-	0	1	-
6	Pembroke ...	142	1011·3	+6	NNW	3	c	57	92	8	5	-	-	9	9	2500
7	Holyhead ...	26	1009·2	+4	NW'W	5	c/pr	56	92	8	5	-	-	10	10	800
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1006·0	0	W	5	rr	56	97	6	5	-	-	10	10	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1006·4	+8	NW	2	o	55	92	7	-	2	-	10	10	1500
11	St.Abbs Head	280	1006·6	+4	NW	2	dd	55	92	4	5	2	-	7-8	10	800
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1008·1	+4	NWN	4	c	55	97	8	8	2	-	4-6	10	1500
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13b	Stornoway ...	80	1010·2	+2	N	3	id.	51	97	7	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1006·5	+6	NNW	3	id.	52	97	7	5	2	-	9	10	800
16	Lerwick ...	156	1004·9	+2	N	4	d.d.	52	97	6	5	-	-	10	10	450
17	Blacksod Point	18	1014·0	+8	NW	3	c	56	85	8	7	-	-	7-8	7-8	1500
18	Malin Head ...	84	1010·1	+10	N	2	c	55	97	7	8	-	-	9	9	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1015·6	+6	NW	4	c	56	92	8	8	-	-	9+	9+	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. July 25th

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1010·3	+6	WSW	2	c	58	85	8	5	-	-	9+	9+	2500	1	*
1010·2	+6	W'S	3	c	57	85	8	5	3	-	4-6	9	800	0	*
1010·6	+8	W'N	2	c	57	85	8	1	7	1	2-3	7-8	1500	0	*
1011·1	+8	W'N	2	bc	55	97	7	7	7	-	2-3	2-3	4000	0	*
1010·8	+8	W'N	2	bc	59	85	8	7	3	-	4-6	4-6	2500	0	2
1010·3	+4	W	2	c	56	85	9	5	-	-	9+	9+	5700	0	§1
1009·3	+4	WSW	3	c	58	85	8	8	-	-	9	9	7200	0	*
1009·6	+2	W	3	c	59	85	7	5	-	-	9+	9+	5700	1	*
1008·8	+2	WSW	3	c	56	92	7	5	3	-	7-8	9+	4000	0	2
1007·2	+4	WSW	3	c	56	85	6	5	-	-	10	10	2500	1	2
1008·2	+4	W	3	c	57	92	7	5	3	-	7-8	9+	2500	1	*
1007·7	+6	W	3	c	57	92	7	5	7	-	9	10	4000	1	*
1008·7	+6	HNW	3	id.	55	85	6	6	-	-	10	10	800	1	*
1010·4	+8	W	3	c	56	92	8	5	3	-	7-8	9	2500	0	*
1010·4	+4	WNW	2	c	59	75	9	8	-	-	7-8	7-8	2500	1	*
1011·1	+10	WSW	3	c	58	85	7	5	-	-	9	9	1500	1	*
1011·6	+8	W	4	c	59	92	8	4	-	-	10	10	2500	0	3
1012·6	+10	W'N	3	c	58	92	8	2	3	-	2-3	9	1500	0	1
1013·2	+4	NW'W	4	bc	58	92	8	7	-	-	2-3	2-3	4000	0	1
1014·7	+8	NW'N	3	bc	59	85	8	8	6	-	2-3	4-6	2500	0	2
1013·1	-2	WNW	2	c	59	85	7	8	-	-	10	10	2500	0	3
1012·1	+6	NW	4	q	56	85	8	5	2	-	7-8	9+	2500	1	3
1010·8	+12	NW'N	4	c	56	85	7	5	-	-	10	10	2500	1	2
1009·0	+8	WNW	5	ir.	57	85	6	6	2	-	7-8	10	1500	1	*
1006·8	+8	WNW	4	ir.	57	92	6	5	-	-	10	10	800	1	*
1006·7	+6	W'N	4	o	56	97	6	5	-	-	10	10	1500	1	3
1006·8	+8	-	0	c	58	92	7	5	7	-	4-6	10	1500	1	*
1006·8	+4	N	2	9/r	56	97	6	-	2	-	10	10	1500	1	2
1006·0	+4	N	2	c	56	92	7	4	6	-	4-6	7-8	1500	1	2
1006·6	+2	W	3	c	60	75	9	7	3	2	2-3	7-8	4000	1	*
1008·1	+4	SW'W	2	bc	55	92	9	8	-	6	2-3	4-6	4000	1	*
1007·1	+6	SE'E	1	bc	59	85	7	5	-	2	2-3	4-6	1500	1	*
1008·3	+8	NNW	5	c	56	85	8	8	2	-	4-6	9+	800	0	3
1011·4	+10	N	4	c	54	85	8	5	-	-	9+	9+	1500	0	3
1011·7	+4	N	3	id.	53	92	6	5	2	-	7-8	10	1500	1	*
1009·8	+10	N	3	c	53	85	7	4	2	-	2-3	10	1500	1	*
1006·4	+6	NW	5	id.	54	92	8	6	-	-	9+	9+	800	1	2
1007·1	+6	NNW	4	id	52	97	6	5	2	-	9	10	800	1	2
1005·1	+4	N	4	o/d	52	97	6	5	-	-	10	10	800	1	*
1015·1	+12	NW	3	c	56	85	8	5	-	-	10	10	1500	0	3
1011·8	+6	N	3	c/d	55	97	7	8	-	-	9	9	1500	1	2
1011·2	+8	NNW	4	d.d	53	97	6	5	7	-	9+	10	800	1	*
1013·6	+8	NW	1	c	55	92	8	5	7	-	7-8	9+	2500	1	*
1016·5	+8	NW	2	)p	57	85	8	5	-	-	9+	9+	800	1	2
1015·0	+6	NW	4	bc	55	92	8	2	-	-	2-3	2-3	2500	1	2

PAST 24 HOURS.

Temperatures. Max. Day 7h–18h. °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 24h. Hrs. (36)
69	56	53	-	-	8·3
69	56	54	-	-	9·4
69	54	45	-	-	8·5
67	51	48	-	0·3	8·9
68	51	51	-	-	8·4
68	53	51	Tr.	-	10·0
70	54	51	Tr.	-	8·9
71	56	50	-	-	8·4
68	54	51	Tr.	Tr.	6·6
65	54	52	3	-	1·4
65	54	50	1	-	3·3
63	54	52	2	-	2·0
63	54	54	0·1	-	3·1
67	52	48	-	0·1	*
66	51	47	Tr.	0·1	4·9
65	49	44	Tr.	0·6	7·4
63	57	*	-	-	*
64	56	52	0·1	0·1	6·9
65	55	*	-	-	*
65	56	*	Tr.	-	11·0
66	55	49	-	-	13·5
60	54	*	-	Tr.	5·5
61	55	54	Tr.	0·2	3·2
62	56	54	Tr.	0·2	0·2
61	55	53	0·3	0·4	0·8
61	54	*	0·5	2	0·2
62	55	53	Tr.	1	0·0
65	54	52	2	9	0·0
56	53	*	6	1	*
58	52	45	7	-	0·0
61	51	47	5	0·2	0·1
58	51	47	3	0·1	0·0
61	54	*	0·2	Tr.	1·0
60	53	51	0·3	-	0·4
57	51	*	Tr.	0·2	0·1
57	51	50	7	1	0·0
56	53	51	0·1	Tr.	0·0
57	51	*	0·1	0·3	*
56	50	*	Tr.	Tr.	0·0
60	50	*	-	-	*
57	53	*	2	0·1	0·0
59	52	51	4	0·1	0·1
64	50	42	5	Tr.	1·1
58	54	49	0·3	Tr.	0·0
62	53	*	0·2	-	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
Ch—21h, other stations except for rainfall which is 9h—13h.

	Height above M.S.L. in feet.	Weather 24 hrs. ended 9h. Morning.	Weather 24 hrs. ended 9h. Afternoon.	Weather 24 hrs. ended 9h. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. Yesterday.	Humidity. 15h. G.M.T % Yesterday.	Humidity. 9h. G.M.T % To-day.	Visibility 9h.
Kew	18	bcc	c	c	69	56	53	-	-	8·3	*	*	8
Croydon	217	bc,cy	cbcy	c	69	56	54	-	-	9·4	*	*	8
Greenwich (Royal Observatory)...	149	bcy	cy	c	73	55	50	-	-	9·0	44	73	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	9·4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	69	56	53	—		9·3	95	71	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*						9·5			*
Camden Square	110	b	c	*	70	55	52	-	-	*	*	74	*
Kensington	80	bc	cbc	*	69	55	51	-	-	9·8	At 18h. 45	73	*
Hampstead Observatory ...	450									9·7	*		*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 24th. July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 25th. July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1010·5	WNW	2	bc	66	1013·4	W	3	b	57
Brussels	1008·7	W	5	bc	63	1010·2	W	2	o	57
Berlin	1003·5	WN	3	bc	79	1007·4	W	4	bc	63
Zürich	1009·6	NW	3	c	75	1012·4	NW	2	c	64
Rome						1012·2	ESE	1	b	75

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
Less than 0·3 for whole period			

Kew Observatory.

Max.	Time.	Min.	Time.
<0·1	whole period		

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
66	*	6	*
70	52	-	-
73	57	-	-
84	61	Tr.	8
*	*		-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — 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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 26th July, 1937.
No. 27640.

Discharge	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 25th July: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°F Temp. (6)	% Humid. (7)	0–9 Visibility (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1012·1	+8	W	3	c	64	65	8	5	–	–	10	10	4000
	Croydon ...	1011·7	+6	NW'W	4	c	64	65	8	8	–	–	9+	9+	4000
	S. Farnborough	1012·2	+10	NW	4	c	66	55	8	8	–	–	9	9	4000
	Boscombe Down	1012·8	+12	W'N	3	c	62	75	7	5	–	–	7·8	7·8	2500
	Calshot (Sthmtn.)	1012·4	+4	NW'N	4	bc	66	65	8	8	–	–	7·8	7·8	2500
	Lympne ...	1011·8	+6	W'S	3	c	65	65	8	7	–	–	9	9	4000
	Manston ...	1010·8	+6	W	4	c	66	65	7	7	–	–	9	9	2500
2	Shoeburyness ...	1010·8	0	W'N	3	c	67	65	8	8	3	–	4·6	9	2500
	Felixstowe ...	1010·2	+8	W'S	4	c/pr	63	65	8	8	7	–	7·8	10	2500
	Gorleston ...	1008·8	+6	W'S	3	r_o	58	92	6	6	–	–	10	10	1500
	Mildenhall ...	1010·2	+10	WNW	3	ir_o	61	85	8	5	–	–	10	10	2500
	Cranwell ...	1009·7	+10	W'N	3	c	62	85	6	5	–	–	10	10	2500
3	Birmingham ...	1012·1	+10	WNW	3	c	61	75	7	7	–	–	7·8	7·8	2500
	Upper Heyford	1012·4	+10	WNW	4	c/r	59	85	9	5	–	–	10	10	1500
4	Ross-on-Wye	1012·5	+10	WNW	4	c	63	75	8	8	–	–	10	10	2500
5	Bristol ...	1013·3	+10	W'N	4	c	61	75	8	5	–	–	9+	9+	2500
	Portland Bill ...	1013·4	+6	W	4	bc	66	85	8	4	–	–	2·3	2·3	2500
	Plymouth ...	1014·8	+10	NW	4	c	64	75	8	8	4	–	4·6	7·8	4000
	The Lizard ...	1016·2	+10	WNW	4	c	63	75	8	8	6	–	4·6	7·8	2500
	Scilly (St.Mary's)	1017·3	+12	NW'N	4	bc	65	75	8	2	6	–	2·3	2·3	2500
	Guernsey ...	1015·1	+12	NW'N	4	bc	63	75	8	1	3	–	2·3	4·6	2500
6	Pembroke ...	1014·3	+10	NW	3	q	61	85	8	7	6	–	4·6	9	4000
7	Holyhead ...	1013·6	+16	WNW	4	c	58	85	8	5	–	–	10	10	2500
	Chester(Sealand)	1012·3	+14	W	5	id_o	57	85	6	6	2	–	7·8	10	1500
8	Manchester ...	1011·5	+12	W'N	4	id_o	58	85	6	5	–	–	10	10	1500
10	Spurn Head ...	1008·1	+12	NNW	2	o	61	92	6	5	–	–	10	10	1500
	Catterick ...	1008·1	+4	NW'N	3	c	69	55	7	8	7	–	7·8	9	2500
	Tynemouth ...	1008·3	+8	NE	2	bc	60	85	8	2	–	2	2·3	4·6	1500
11	St. Abbs Head	1008·4	+4	NW	3	bc	59	85	9	1	4	2	2·3	4·6	2500
	Leuchars ...	1008·0	+2	WNW	3	bc	69	55	9	7	–	3	4·6	7·8	2500
12	Renfrew (Abbots I.)	1009·3	+6	WNW	3	bc	67	65	9	1	–	3	2·3	4·6	4000
	Ezkdalemuir ...	1008·1	+6	NW	3	bc	68	65	8	8	–	1	4·6	4·6	4000
	Point of Ayre...	1011·7	+12	NW'N	5	c	58	85	8	5	2	–	4·6	9+	800
13A	Tiree	1013·3	+12	N	4	c	56	85	8	5	–	–	7·8	7·8	1500
13B	Stornoway ...	1013·2	+4	NNW	3	id_o	55	85	8	8	2	–	7·8	10	1500
15	Dalwhinnie ...	*	+4	NNE	3	bc	56	65	8	–	6	4	0	7·8	–
	Aberdeen ...	1007·9	+6	NW	5	c	60	75	8	5	–	–	9	9	1500
	Wick ...	1008·9	+8	NW	5	id	54	92	6	5	2	–	9	10	800
16	Lerwick ...	1005·2	+2	NW	4	c	55	92	8	5	7	–	7·8	9+	800
17	Blacksod Point	1017·2	+12	NW	3	c	58	85	8	5	–	–	10	10	1500
18	Malin Head ...	1013·9	+12	N	3	c	57	97	7	8	5	–	4·6	7·8	2500
	Aldergrove ...	1013·6	+14	NW	4	c	58	75	8	5	–	–	9+	9+	1500
19	Birr Castle ...	1016·0	+8	NW	1	c	59	85	8	8	2	–	7·8	10	2500
20	Valentia Obsy. †	1018·5	+8	NW'N	4	c	62	65	8	8	3	–	4·6	9	2500
	Roches Point	1016·8	+10	NW	3	c	61	75	9	8	–	–	9	9	1500

Discharge	Stations. (For heights see p. 4.)	OBSERVATIONS at 18h. G.M.T. 25th July: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°F Temp. (20)	% Humid. (21)	0–9 Visibility (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1012·9	+4	WSW	3	c	66	65	8	7	–	8	4·6	7·8	4000	1	*
	Croydon ...	1012·8	+6	W'S	4	c	63	75	8	7	–	–	9+	9+	4000	0	*
	S. Farnborough	1013·3	+6	W	2	bc	64	75	7	8	–	2	4·6	4·6	4000	0	*
	Boscombe Down	1013·9	+6	W'N	4	c	62	75	7	5	–	–	9+	9+	4000	0	*
	Calshot (Sthmtn.)	1014·1	+10	WNW	3	bc	63	75	8	8	7	–	4·6	7·8	2500	0	2
	Lympne ...	1012·8	+6	WNW	3	bc	66	65	9	7	3	–	4·6	7·8	4000	0	2
	Manston ...	1012·0	+6	WNW	4	c	64	75	8	5	7	–	9	9+	4000	0	*
2	Shoeburyness ...	1012·4	+6	W'N	2	c	63	75	8	5	2	–	7·8	10	2500	1	*
	Felixstowe ...	1011·8	+6	W	3	c	64	75	7	5	7	–	7·8	10	2500	0	2
	Gorleston ...	1010·5	+8	W'S	1	o	59	92	6	6	–	–	10	10	2500	1	2
	Mildenhall ...	1011·6	+10	W	4	c	62	85	7	5	3	–	7·8	9+	2500	1	*
	Cranwell ...	1011·2	+10	W'N	3	c	62	75	7	5	–	1	4·6	7·8	4000	1	
3	Birmingham ...	1013·9	+8	NW	3	c	58	85	6	5	–	–	9+	9+	2500	1	*
	Upper Heyford	1013·3	+8	NW	3	c	64	65	9	8	3	2	9	9+	2500	0	*
4	Ross-on-Wye	1014·0	+10	WNW	4	bc	62	65	8	7	–	1	2·3	2·3	4000	1	
5	Bristol ...	1014·9	+10	NW	4	c	60	75	8	5	–	–	9	9	1500	0	*
	Portland Bill ...	1015·2	+6	WNW	4	c	63	85	8	4	–	–	7·8	7·8	2500	0	3
	Plymouth ...	1016·6	+12	NW	3	c	63	65	8	7	–	–	7·8	7·8	4000	0	1
	The Lizard ...	1017·5	+10	NW'W	3	bc	61	75	8	7	–	–	2·3	2·3	2500	0	2
	Scilly (St.Mary's)	1018·5	+8	NW'W	3	b	63	75	8	1	–	–	1	1	2500	0	2
	Guernsey ...	1016·1	+4	NW'N	4	bc	63	75	9	1	3	–	Tr	2·3	2500	0	3
6	Pembroke ...	1016·1	+4	WNW	2	c	58	92	8	5	2	–	7·8	9+	2500	0	2
7	Holyhead ...	1014·7	+8	WNW	4	c	58	85	8	5	–	–	10	10	2500	1	2
	Chester(Sealand)	1013·6	+10	W'N	5	c	57	85	7	5	2	–	9	10	2500	1	*
8	Manchester ...	1013·1	+8	W'N	4	c	58	85	7	5	–	–	10	10	1500	1	*
10	Spurn Head ...	1010·6	+8	N	2	c	58	92	7	3	2	–	4·6	10	450	0	2
	Catterick ...	1010·3	+20	–	0	c/pr	60	75	7	8	6	–	4·6	9	2500	0	*
	Tynemouth ...	1009·3	+10	NE	2	c	58	85	7	9	–	–	7·8	7·8	1500	1	2
11	St. Abbs Head	1009·7	+12	N	3	bc	59	85	9	7	4	1	2·3	4·6	4000	0	3
	Leuchars ...	1009·3	+10	NW	3	bc	67	55	9	7	–	3	2·3	4·6	2500	1	*
12	Renfrew (Abbots I.)	1010·9	+10	NW'W	4	bc	63	65	9	1	–	1	Tr	4·6	4000	0	*
	Ezkdalemuir ...	1009·4	+6	W'N	4	bc	65	75	8	2	–	4	2·3	4·6	4000	0	*
	Point of Ayre...	1012·9	+2	NW'N	6	c	57	85	8	5	4	3	2·3	7·8	1500	0	4
13A	Tiree	1014·4	+4	NW'N	4	bc	56	85	8	5	3	–	4·6	4·6	2500	0	3
13B	Stornoway ...	1013·8	+6	NW	3	c	53	75	8	5	7	–	7·8	10	1500	1	1
15	Dalwhinnie ...	*	+4	NNW	2	c	57	75	8	5	6	–	7·8	10	2500	0	
	Aberdeen ...	1010·0	+12	NW'N	4	c	57	75	8	5	–	–	10	10	1500	1	3
	Wick ...	1010·1	+16	NNW	5	c	54	85	7	5	2	–	9	10	800	1	3
16	Lerwick ...	1006·0	+6	NNW	6	c	55	92	7	5	7	–	7·8	9+	800	0	
17	Blacksod Point	1019·7	+10	NW	3	c	57	85	8	5	–	–	10	10	1500	0	3
18	Malin Head ...	1015·6	+12	N	3	c	55	97	7	8	2	–	4·6	9	2500	0	2
	Aldergrove ...	1015·2	+10	NW	4	c	57	75	9	5	–	–	9+	9+	1500	1	*
19	Birr Castle ...	1016·8	+8	NW	1	c	59	75	8	5	2	–	9	10	2500	1	*
20	Valentia Obsy. †	1020·0	+6	NW'N	3	bc	61	75	8	8	–	1	4·6	4·6	2500	1	2
	Roches Point	1018·5	+12	NNW	4	c	60	75	9	8	–	–	9	9	1500	0	2

PAST 24 HOURS.

Stations. (For heights see p. 4.)	Weather. 7h.—13h. 25th. (37)	Weather. 13h.—18h. 25th. (38)	Weather. 18h. 25th to 1h. 26th. (39)	Weather. 1h.—7h. 26th. (40)
London (Kew)	c	c	c	c
Croydon ...	c	cvc	cbcc	c
S. Farnborough	bccbc	cycbc	bccbc	bcc
Boscombe Down	bcc	c	c	c
Calshot (Sthmtn.)	bc	bcc	cbcbbc	bcc
Lympne ...	cvc	cbccyc	cbc	bcwcm
Manston ...	c	cbcc	cmprbcy	bbcc
Shoeburyness ...	c	c	c	c
Felixstowe ...	cpr$_o$c	cpr$_o$c	c	c
Gorleston ...	or$_o$	or$_o$	ocbc	czoir$_o$
Mildenhall ...	cpr$_o$	c	cbc	cid$_o$
Cranwell ...	~~cdrdc~~	c	cbcb	c
Birmingham ...	cid$_o$c	c	c	c
Upper Heyford	cr$_o$cv	cv	c	c
Ross-on-Wye	c	cbc	bcc	c
Bristol ...	c	c	c	c
Portland Bill ...	cbc	bcc	c	c
Plymouth ...	cpr$_o$bcvc	cvpr$_o$bcc	cbcc	c
The Lizard ...	bcc	cbc	bcc	c
Scilly (St.Mary's)	bccbc	bcb	bbcc	c
Guernsey ...	cbc	bcbbc	bcbw	bwbco
Pembroke ...	cq	cqc	c	cq
Holyhead ...	id$_o$c	c	c	cid$_o$
Chester(Sealand)	cir$_o$	od$_o$	c	c
Manchester ...	ir$_o$id$_o$	cid$_o$c	cid$_o$	id$_o$d$_o$m
Spurn Head ...	orro	oro	c	c
Catterick ...	occy	cr$_o$cir$_o$	cm$_o$	bcwc
Tynemouth ...	obc	bcc	co	o
St. Abbs Head	bc	bc	c	cbcm$_o$
Leuchars ...	bcwbc	bcy	bcybw	bwv
Renfrew (Abbots I.)	bc	bc	bcbw	bw
Ezkdalemuir ...	bc	bc	bcbbw	bwbcw
Point of Ayre...	c	c	c	c
Tiree	c	c	c	cid$_o$
Stornoway ...	cid$_o$	cid$_o$	cid$_o$	cid$_o$
Dalwhinnie ...	cbc	bcc		c
Aberdeen ...	d$_o$c	c	d$_o$vc	c
Wick ...	cid	cidc	cid$_o$	c
Lerwick ...	bc	c	c	cid$_o$
Blacksod Point	c	pr$_o$c	c	pr$_o$c
Malin Head ...	cbc	bcc	cid$_o$c	cid$_o$c
Aldergrove ...	cd$_o$d$_m$c	c	c	gddr$_o$c
Birr Castle ...	c	c	c	c
Valentia Obsy. †	cpr$_o$c	cbc	bcc	c
Roches Point	bccv	cv	cvc	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⫽ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

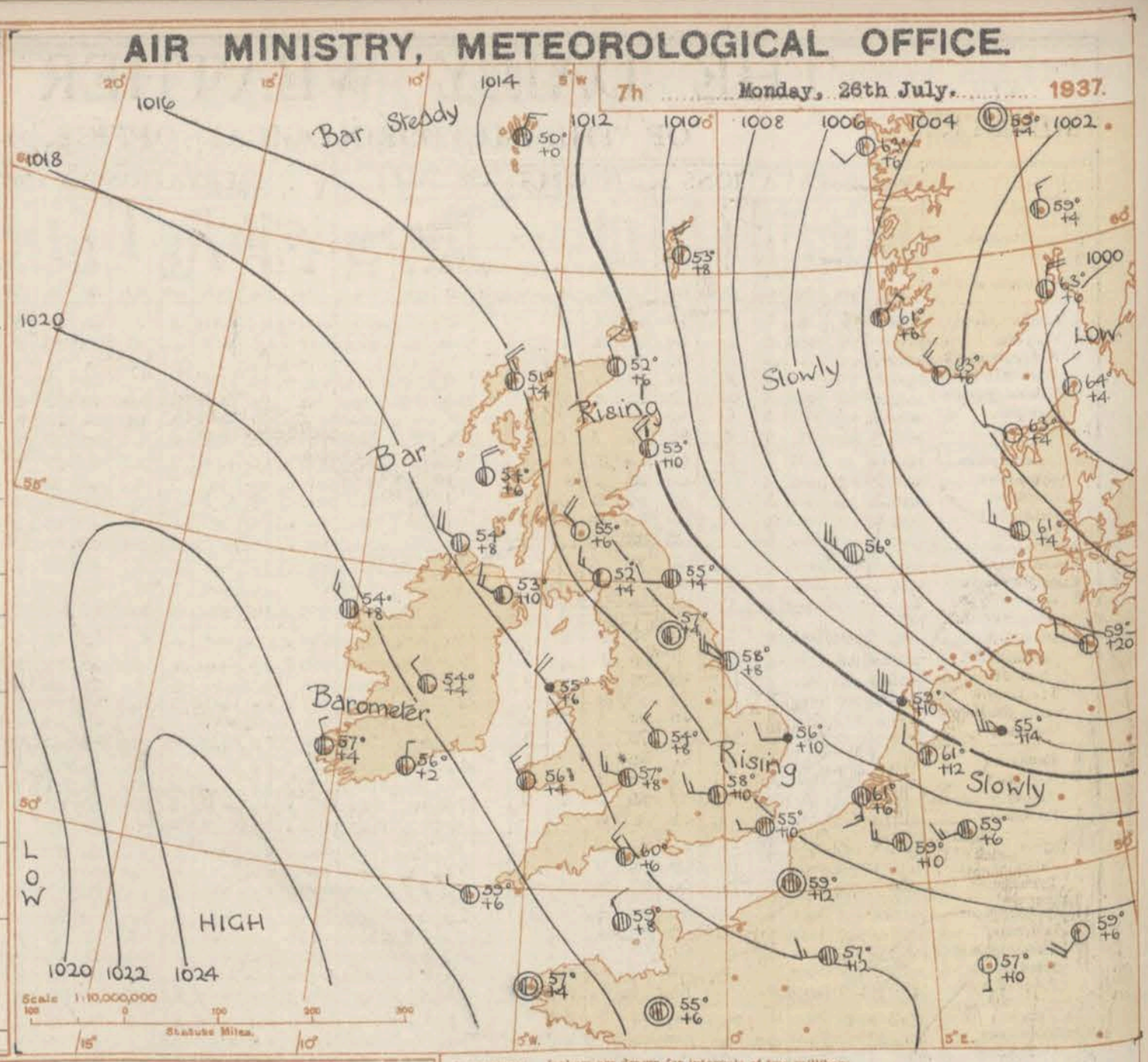
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

1 Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 25th July 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 24th to 9h. 25th	Temperature. (°F.) Max. 9h.—17h. 25th	Rainfall. (mm.) Night. 17h. 24th to 9h. 25th	Rainfall. (mm.) Day. 9h.—17h. 25th	Sunshine. (Hrs.) Sunrise to 17h. 25th	Sunshine. (Hrs.) Sunrise to Sunset. 24th
1	Tunbridge W.	coc	cbc	53	69	-	-	4·1	8·1
	Bournemouth	b	bbco	54	70	Trace	-	6·5	6·7
	Ventnor ...	cbcc	bbc	56	67	-	-	5·9	9·4
	Southsea ...	bbc	bcc	57	70	-	-	5·7	9·4
	Bognor Regis	bcbc	bcbcc	56	69	-	-	5·5	10·5
	Littlehampton	bc	bc	55	70	-	-	4·0	10·2
	Worthing ...	bcbbc	bcc	55	70	-	-	4·5	10·7
	Brighton ...	c	bc	57	68	-	-	4·5	10·2
	Eastbourne† ...	bc	bcc	57	67	0·1	-	7·4	12·2
	Hastings† ...	bcbc	ccbc	53	70	-	-	4·8	11·6
	Folkestone ...	oc	ct	54	69	-	-	2·0	10·8
	Dover ...	cbcc	cbc	56	71	-	-	2·1	12·0
	Deal	coco	oco	56	70	-	-	1·9	11·2
	Ramsgate ...	cbc	bcc	56	68	-	-	2·9	8·8
	Margate ...	cbc	bcc	56	68	-	-	3·6	7·3
2	Southend ...	c	co	55	68	-	-	1·2	8·3
	Maldon ...	bc	c	53	65	-	-	1·2	6·5
	Clacton-on-Sea	bcc	pc	54	65	-	Trace	1·0	7·4
	Dovercourt ...	ocbc	oc	55	65	-	-	1·5	8·2
	Lowestoft ...	c	ir	54	61	Trace	2	0·0	3·8
	Skegness ...	orro	or$_o$co	54	64	2	1	0·0	1·2
	Mablethorpe...	orm$_o$	oco	54	62	2	1	0·1	1·7
	Cleethorpes ...	cor	c	54	62	3	1	0·0	0·1
3	Leamington S.	oc	bc	54	67	-	-	2·6	4·3
4	Cheltenham†	op$_o$	ocbc	53	68	0·3	Trace	1·0	5·5
5	Bath	c	c	54	64	Trace	-	0·8	8·1
	Weymouth ...	cb	bc	57	69	-	-	5·4	9·3
	Jersey ...	cbc	bc	57	67	-	-	9·3	10·6
	Torquay ...	bcc	bccv	55	68	-	-	4·9	7·1
	Penzance ...	bcbcb	bcb	56	66	0·5	-	10·0	12·4
	St. Ives ...	b	c	55	63	-	-	7·4	12·4
	Bude... ...	bcome	cbc	58	63	-	-	5·6	9·5
	Ilfracombe ...	pcbcc	ccoco	56	61	0·2	-	1·8	7·5
6	Aberystwyth	c	c	56	60	-	-	0·0	2·9
7	Llandudno ...	cd$_o$c	cid$_o$c	55	59	1	Trace	0·0	1·2
	Colwyn Bay...	do	ococ	55	59	0·3	-	0·0	0·4
	Rhyl	cid$_o$	ce	56	59	0·1	0·2	0·0	0·6
8	Wallasey ...	d$_o$c	c	55	58	Trace	Trace	0·0	0·3
	Southport ...	o	opo	56	59	-	Trace	0·0	0·1
	Blackpool ...	od$_o$	oc	57	59	Trace	Trace	0·0	1·7
	Morecambe ...	cbbc	bbc	55	63	-	-	7·0	0·2
9	Ilkley... ...	c	bcbc	55	67	-	-	4·7	0·7
	Harrogate ...	cd$_o$c	cbbc	53	66	Trace	-	4·9	0·9
10	Berwick-on-T.	bc	bcb	53	62	1	-	8·2	0·0
11	Dunbar ...	bc	bc	53	65	1	-	9·5	0·0
12	Troon... ...	bbcb	bbcb	54	62	0·5	-	10·1	0·0
	Douglas ...	cbid$_o$	cbbcq	53	59	Trace	-	5·3	0·5

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light west to northwest winds; fair, bright periods; average temperature.
7 North Wales ... 8 N.W. England	Light northwest winds; local drizzle and bright periods; average temperature.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 1 - 6.
12 S.W. Scotland & Isle of Man. 13 { A. W. Scotld. B.N.W.Scotland. } 14 Mid Scotland	As 7 - 8.
15 N. E. Scotland	Light northwest winds; fair, bright periods; average temperature.
16 Orkney and Shetland	As 7 - 8.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light northwest winds; local drizzle at first becoming fair generally; average temperature, becoming rather warm.

M. T. S.

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

GENERAL INFERENCE.

An anticyclone southwest of the British Isles is moving east. Local drizzle will occur in northwest districts, elsewhere conditions will be fair. Temperature will be about average.

FURTHER OUTLOOK.

Local drizzle in West Scotland; fair becoming warmer elsewhere.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
MONDAY, 26TH JULY.
1937.

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 26th July, 1937.
No. 27640.

OBSERVATIONS at 1 hr. G.M.T. 26th July

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1015·6	+12	NW'W	3	c	59	75	7	5	-	-	2	3	4000
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Stn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015·3	+8·	NW	2	bc	56	85	8	5	3	-	2·3	4·6	4000
	Manston ...	142	1014·5	+6	WNW	3	bc	58	75	8	8	-	-	2·3	2·3	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1012·5	+4	W'S	2	bc	64	92	6	-	7	-	0	4·6	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1016·5	+8	WNW	3	c	60	85	8	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1015·9	+6	WNW	1	c	58	92	8	8	6	-	9	10	2500
	Scilly (St. Mary's)	163	1020·3	+4	WNW	2	c	57	97	8	5	-	-	7·8	7·8	2500
	Guernsey ..	175	1018·6	+10	NW	1	b	57	92	9	-	-	-	0	0	-
6	Pembroke ...	142	1017·8	+8	NW	3	c	58	85	7	5	-	-	9+	9+	2500
7	Holyhead ...	26	1017·1	+10	NW	4	c	57	85	8	7	2	-	4·6	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1012·3	+2	WNW	5	c	58	97	7	5	2	-	4·6	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1012·8	+4	NW	2	0	58	75	7	5	-	-	10	10	800
11	St. Abbs Head	280	1012·1	+4	N	1	c	55	92	8	4	2	-	4·6	7·8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1016·3	+6	NW'N	5	c	55	92	8	5	-	-	10	10	1500
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13b	Stornoway ...	80	1015·5	+10	NNW	3	1d.	50	85	7	5	2	-	9	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1011·1	+2	NNW	4	c/d	52	97	7	5	2	-	7·8	9	800
16	Lerwick ...	156	1007·6	+4	NNW	5	c	53	97	7	5	2	-	7·8	10	800
17	Blacksod Point	18	1019·8	+4	NW	3	c	54	85	8	5	-	-	10	10	1500
18	Malin Head ...	84	1017·8	+12	NW	3	c/d	54	97	7	5	2	-	7·8	10	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1021·4	+6	NW	2	c	57	92	8	8	-	-	7·8	7·8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 26th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1017·1	+10	NW'W	2	c	55	75	7	5	-	-	10	10	2500	1	*
	Croydon ...	1016·7	+10	W'N	3	c	58	85	7	5	-	-	10	10	1500	0	*
	S. Farnborough	1017·2	+10	W'N	2	c	57	85	7	5	-	-	10	10	4000	0	*
	Boscombe Down	1017·6	+6	WNW	3	c	57	85	7	5	-	-	10	10	4000	0	*
	Calshot (Stn.)	1017·8	+8	WSW	2	c	58	85	8	5	7	-	9+	10	4000	0	2
	Lympne ...	1016·3	+10	W	1	2o	55	85	6	5	-	-	10	10	1500	0	5
	Manston ...	1015·3	+10	NW	4	c	58	75	7	5	-	-	10	10	1500	1	*
2	Shoeburyness ...	1016·4	+10	NW	2	c	57	85	8	5	-	-	10	10	4000	1	*
	Felixstowe ...	1015·7	+10	W	3	c	56	85	8	5	-	-	10	10	1500	0	2
	Gorleston ...	1014·2	+10	W	2	1r.	56	92	6	6	-	-	10	10	1500	1	2
	Mildenhall ...	1015·5	+14	W	2	1d.	54	92	8	5	-	-	10	10	2500	1	*
	Cranwell ...	1015·7	+12	NW'W	2	c	55	85	8	5	-	-	10	10	2500	1	*
3	Birmingham ...	1017·0	+8	NW	3	c	54	75	6	6	7	-	4·6	10	800	1	*
	Upper Heyford	1017·4	+10	NW	3	c	56	85	7	5	-	-	9+	9+	2500	0	*
4	Ross-on-Wye	1017·4	+8	WNW	3	c	57	75	8	5	-	-	9+	9+	4000	1	*
5	Bristol ...	1018·3	+10	WNW	3	c	58	75	8	5	7	-	7·8	9+	2500	0	*
	Portland Bill ...	1017·8	+6	NW	3	c	60	92	7	4	-	-	10	10	2500	0	3
	Plymouth ...	1019·5	+10	W'N	2	c	59	85	8	5	-	-	9+	9+	4000	0	1
	The Lizard ...	1020·3	+6	NW	3	c	58	92	8	5	1	-	9	10	2500	0	2
	Scilly (St. Mary's)	1020·8	+6	WNW	1	c	59	85	9	7	3	-	4·6	9	4000	0	1
	Guernsey ..	1019·5	+8	NW'N	2	o	59	92	8	5	-	-	10	10	2500	0	2
6	Pembroke ...	1019·3	+4	NW	3	c/d	56	85	8	5	2	-	4·6	9+	2500	0	2
7	Holyhead ...	1017·9	+6	NW	4	1d.	55	97	8	5	-	-	10	10	1500	1	2
	Chester (Sealand)	1016·5	+4	W'N	5	c	55	75	8	5	-	-	10	10	1500	0	*
8	Manchester ...	1016·4	+6	W'N	3	9/d	54	85	6	5	-	-	10	10	1500	1	*
10	Spurn Head ...	1014·3	+8	WNW	5	c	58	92	6	5	-	-	9+	9+	2500	0	3
	Catterick ...	1014·2	+4	-	0	c	57	75	8	5	-	-	9	9	4000	1	*
	Tynemouth ...	1013·6	+4	W	2	o	55	85	6	6	-	-	10	10	800	1	2
11	St. Abbs Head	1013·8	0	WNW	2	bc	54	85	7	5	4	1	2-3	4·6	2500	0	2
	Leuchars ...	1013·5	+8	NW	3	b	55	75	9	4	-	-	Tr	Tr	2500	1	*
12	Renfrew (Abbotsl.)	1014·3	+6	NW'W	4	b	55	75	9	1	-	3	Tr	1	4000	0	*
	Eskdalemuir ...	1014·2	+4	NW'W	3	bc	52	85	8	5	-	-	4·6	4·6	2500	1	*
	Point of Ayre ...	1016·3	+4	NW'N	5	c	55	85	8	5	-	-	10	10	1500	0	3
13a	Tiree	1017·3	+6	N'W	4	c	54	75	8	5	-	-	9+	9+	2500	0	3
13b	Stornoway ...	1016·2	+4	NNW	4	c/d	51	92	7	8	7	1	7·8	10	2500	1	2
15	Dalwhinnie ...	...	+6	NNW	3	c	50	75	8	4	6	-	7·8	9+	2500	0	*
	Aberdeen ...	1013·0	+10	NW	4	c	53	75	8	5	3	-	7·8	9+	1500	1	2
	Wick ...	1013·0	+6	NNW	2	c	52	92	7	5	2	-	7·8	9+	450	1	1
16	Lerwick ...	1003·0	+8	NNW	4	c	53	92	7	5	7	-	7·8	9+	800	1	*
17	Blacksod Point	1020·5	+8	NW	3	c	54	85	8	5	-	-	10	10	1500	0	3
18	Malin Head ...	1017·6	+8	NW'W	4	c/d	54	97	6	3	-	-	9	9	1500	0	2
	Aldergrove ...	1018·0	+10	WNW	3	c/a	53	85	8	5	-	-	9+	9+	800	1	*
19	Birr Castle ...	1019·3	+4	NW	1	c	54	92	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy. †	1021·3	+4	N'W	1	c	57	85	8	5	-	-	10	10	2500	1	1
	Roches Point	1020·3	+2	N	1	c	56	85	8	5	-	-	9	9	2500	0	1

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 25th Hrs. (36)
1	London (Kew)	66	57	55	-	-	2·2
	Croydon ...	67	57	56	-	-	1·3
	S. Farnborough	67	51	42	-	-	3·5
	Boscombe Down	65	53	50	-	-	5·0
	Calshot (Stn.)	67	52	49	-	-	3·4
	Lympne ...	67	51	46	-	-	3·0
	Manston ...	68	57	54	-	Tr	2·3
2	Shoeburyness ...	68	55	47	-	-	0·7
	Felixstowe ...	64	55	52	Tr	-	1·5
	Gorleston ...	55	53	51	2	Tr	0·0
	Mildenhall ...	63	50	47	0·1	Tr	0·2
	Cranwell ...	65	53	49	1	-	3·5
3	Birmingham ...	63	54	52	Tr	-	3·0
	Upper Heyford	66	55	52	Tr	-	*
4	Ross-on-Wye	64	56	55	-	-	3·4
5	Bristol ...	62	56	55	-	-	0·4
	Portland Bill ...	65	58	*	-	-	*
	Plymouth ...	65	55	57	Tr	-	6·2
	The Lizard ...	65	56	*	-	-	*
	Scilly (St. Mary's)	66	56	*	-	-	14·5
	Guernsey ..	66	56	52	-	-	10·0
6	Pembroke ...	62	55	*	-	-	1·0
7	Holyhead ...	59	54	53	Tr	Tr	0·0
	Chester (Sealand)	58	55	53	Tr	-	0·0
8	Manchester ...	58	53	51	Tr	Tr	0·0
10	Spurn Head ...	61	56	*	2	-	0·3
	Catterick ...	70	52	45	Tr	-	3·1
	Tynemouth ...	61	55	54	-	Tr	7·4
11	St. Abbs Head	63	53	*	-	-	*
	Leuchars ...	70	50	41	-	-	13·5
12	Renfrew (Abbotsl.)	68	48	43	-	-	12·8
	Eskdalemuir ...	70	42	37	-	-	13·0
	Point of Ayre ...	60	52	*	-	-	2·7
13a	Tiree	60	51	50	-	Tr	2·5
13b	Stornoway ...	58	45	*	0·4	0·1	0·2
15	Dalwhinnie ...	61	47	45	-	-	1·1
	Aberdeen ...	62	51	50	Tr	Tr	6·5
	Wick ...	56	51	*	0·5	0·2	*
16	Lerwick ...	56	52	*	-	Tr	0·2
17	Blacksod Point	60	49	*	Tr	Tr	*
18	Malin Head ...	58	52	*	1	Tr	1·2
	Aldergrove ...	59	51	50	Tr	0·2	0·3
19	Birr Castle ...	60	53	52	-	-	0·0
20	Valentia Obsy. †	64	56	54	Tr	-	5·5
	Roches Point	62	55	*	-	-	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
KEW	18	c	c	c	66	57	55	-	-	2·2	*	*	7
CROYDON	217	c	cvc	cbcc	67	57	56	-	-	1·3	*	*	6
GREENWICH (Royal Observatory)	149	c	cv	cr.c	69	57	54	-	Tr	0·7	65	71	7
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	1·1	*	*	*
WESTMINSTER (St. James' Park)	27	*	*	*	66	58	55	—		1·0	65	70	*
REGENTS PK. (Botanic Gardens)	168	*	*	*	66	56	55	-	-	1·6	68	76	*
CAMDEN SQUARE	110	c	c	*	66	57	54	-	-	*	*	68	*
KENSINGTON	80	bcc	co	*	65	57	55	-	-	1·4	At 18h. 73	67	*
HAMPSTEAD OBSERVATORY	450	bc	c	c	63	53	47	-	-	0·9	*	76	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 26th

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
20.3	whole	period	

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
20.1	whole	period	

FOREIGN OBSERVATIONS.

18h. G.M.T. 25th July

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1014·3	WNW	2	c	68
BRUSSELS	1011·8	WNW	2	c	63
BERLIN	1007·1	W'S	3	bc	68
ZÜRICH					
ROME	1011·7	SSW	2	b	79

7h. G.M.T. 26th July

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1018·3	W	3	o	57
1015·4	W'N	3	c	59
1006·3	SW	4	r.r.	57
1016·6	SE	1	c	59
1012·7	ESE	1	bc	75

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
73	54	-	-
66	55	-	-
75	57	-	2
*	57		6
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 h. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 27th July, 1937.

No. 27641.

OBSERVATIONS at 13h. G.M.T. 26th July

Distrct.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1018·2	+6	WNW	2	c	64	65	7	8	-	-	9+	9+	2500
	Croydon ...	1018·1	+6	NNW	2	c	61	75	7	7	3	-	4-6	9+	4000
	S. Farnborough	1018·3	+2	NW'W	3	c	63	65	7	7	-	-	9+	9+	4000
	Boscombe Down	1018·8	+6	W'N	3	c	61	65	8	5	-	-	10	10	4000
	Calshot (Sthmtn.)	1018·6	0	W'N	3	c	64	65	8	7	7	-	4-6	9	2500
	Lympne ...	1018·2	+4	NW	2	c	63	65	7	5	-	-	9	9	4000
	Manston ...	1017·5	+6	WNW	3	c	60	75	7	5	2	-	7-8	10	1500
2	Shoeburyness ...	1017·8	+4	WNW	3	c	60	75	7	5	2	-	7-8	10	2500
	Felixstowe ...	1017·3	+6	W	3	c/r	60	75	8	5	1	-	4-6	10	2500
	Gorleston ...	1015·9	+6	W'N	3	c	59	85	6	5	-	-	9+	9+	2500
	Mildenhall ...	1017·0	+4	W'N	4	c	59	85	7	5	-	-	10	10	4000
	Cranwell ...	1016·4	0	WNW	4	2o	61	65	6	8	-	-	9	9	2500
3	Birmingham ...	1018·4	+2	WNW	3	c	59	75	7	5	-	-	9+	9+	4000
	Upper Heyford	1018·6	+2	NW	3	c	62	65	8	5	-	-	9	9	2500
4	Ross-on-Wye	1018·6	0	W'N	3	c	60	65	8	5	-	-	10	10	4000
5	Bristol ...	1019·3	+6	NW	3	c	60	75	8	7	-	-	9+	9+	2500
	Portland Bill ...	1019·5	+6	NW	2	c	61	85	8	4	-	-	10	10	2500
	Plymouth ...	1020·6	+6	W'N	3	c	61	75	8	5	3	-	7-8	10	1500
	The Lizard ...	1021·2	+7	NW'W	2	c	66	85	8	7	6	-	7-8	7-8	2500
	Scilly (St.Mary's)	1021·5	+2	N'E	2	c	63	75	8	8	7	-	4-6	9	2500
	Guernsey ...	1020·4	+4	NW'W	3	c	65	65	9	7	7	-	4-6	9+	2500
6	Pembroke ...	1019·4	+2	NW	3	q	58	75	8	5	2	-	7-8	10	2500
7	Holyhead ...	1019·3	+10	NW'W	3	c	57	75	9	7	-	-	10	10	1500
	Chester(Sealand)	1018·2	+6	W	4	c/d	58	75	7	8	2	-	7-8	10	1500
8	Manchester ...	1017·5	+2	WNW	4	c	58	75	7	5	-	-	10	10	1500
10	Spurn Head ...	1015·4	+6	WNW	3	c	63	85	6	6	2	-	4-6	10	2500
	Catterick ...	1015·3	+2	WNW	3	c	65	55	8	5	-	-	7-8	7-8	2500
	Tynemouth ...	1015·0	+2	WNW	3	c	61	65	8	7	-	-	7-8	7-8	1500
11	St. Abbs Head	1014·4	0	N	1	c	59	75	8	7	3	2	4-6	7-8	4000
	Leuchars ...	1014·0	0	W	2	bc	67	55	9	1	-	4	1	4-6	4000
12	Renfrew (Abbotsl.)	1015·5	+6	NNW	4	bc	63	65	9	1	-	5	Tr	2-3	4000
	Eskdalemuir ...	1014·8	+4	W	3	c	63	65	8	6	-	1	4-6	7-8	2500
	Point of Ayre ...	1017·7	+8	NW'N	5	c	59	75	8	5	-	-	9	9	2500
13A	Tiree	1018·3	+4	NNW	3	id.	56	85	8	5	-	-	9+	9+	2500
13B	Stornoway ...	1017·2	+4	NW	4	c	56	75	8	8	7	-	7-8	9+	2500
15	Dalwhinnie ...	1015·7	0	NW	3	bc	60	65	8	-	4	1	0	2-3	-
	Aberdeen ...	1014·1	+2	NW	5	bc	62	65	8	7	-	1	4-6	4-6	2500
	Wick ...	1013·9	+10	NW	3	c	56	75	8	5	2	-	4-6	7-8	1500
16	Lerwick ...	1010·0	+6	NNW	4	c	57	85	8	5	7	-	7-8	9+	800
17	Blacksod Point	1021·4	+6	NW	2	c	58	65	9	5	-	-	10	10	2500
18	Malin Head ...	1019·0	+12	N	2	c/d	56	97	7	8	-	-	9	9	2500
	Aldergrove ...	1018·9	+10	NW	3	c	58	75	8	5	-	-	10	10	1500
19	Birr Castle ...	1019·9	+2	NW	1	c	60	75	8	5	-	-	9+	9+	2500
20	Valentia Obsy. †	1022·3	+2	NNW	2	c	61	75	9	5	-	-	9+	9+	4000
	Rochea Point	1021·6	−2	NW	2	c	59	85	9	8	-	-	10	10	1500

OBSERVATIONS at 18h. G.M.T. 26th July

Distrct.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sun. 0–9 (30)
1	London (Kew)	1017·8	−2	W	2	c	64	55	8	5	-	-	9+	9+	2500	1	*
	Croydon ...	1017·6	−2	W'N	3	c	64	65	7	5	-	-	9+	9+	4000	0	*
	S. Farnborough	1018·0	−2	WNW	3	c	63	65	7	5	-	-	9+	9+	4000	0	*
	Boscombe Down	1018·5	−2	WNW	3	c	61	65	7	5	7	-	9+	9+	2500	0	*
	Calshot (Sthmtn.)	1018·3	−2	W	3	c	63	65	7	5	6	-	4-6	9	4000	0	2
	Lympne ...	1018·1	0	WNW	2	2o	63	65	6	5	-	-	9+	9+	4000	0	1
	Manston ...	1017·5	0	NNW	2	c	62	65	7	5	-	-	9+	9+	4000	0	*
2	Shoeburyness ...	1017·7	−2	NW	2	c	63	65	7	5	-	-	9+	9+	4000	0	*
	Felixstowe ...	1016·8	−2	W	2	c	62	65	6	5	-	-	9+	9+	4000	0	1
	Gorleston ...	1016·2	+6	SW'W	1	c	62	65	6	5	-	-	10	10	2500	1	2
	Mildenhall ...	1017·1	+2	WNW	3	2o	60	75	6	5	3	-	7-8	9+	4000	0	*
	Cranwell ...	1016·9	+2	W	3	c	55	75	6	8	-	-	10	10	2500	1	*
3	Birmingham ...	1018·3	0	NNW	3	c	59	75	6	5	-	-	9+	9+	2500	1	*
	Upper Heyford	1018·3	−2	WNW	3	c	62	65	8	5	-	-	9+	9+	4000	0	*
4	Ross-on-Wye	1018·5	0	W'N	3	c	60	65	8	5	-	-	7-8	7-8	4000	0	*
5	Bristol ...	1019·1	−2	NW'W	3	c	60	75	8	5	3	-	7-8	7-8	4000	0	*
	Portland Bill ...	1019·0	−4	NW	2	c	60	85	8	4	-	-	10	10	2500	0	2
	Plymouth ...	1020·6	0	NW	3	c	59	75	8	5	3	-	9+	10	1500	0	1
	The Lizard ...	1021·3	0	WNW	1	c	62	75	8	2	4	4	2-3	7-8	4000	0	1
	Scilly (St.Mary's)	1021·7	−2	NNW	2	c	62	65	8	8	7	-	7-8	9+	2500	0	1
	Guernsey ...	1020·3	−2	NW'W	2	c	60	85	8	8	-	-	10	10	2500	0	2
6	Pembroke ...	1019·4	−2	WNW	3	q	58	75	8	5	-	-	9+	9+	2500	0	2
7	Holyhead ...	1018·9	0	W	3	c	58	75	9	5	-	-	10	10	2500	1	1
	Chester(Sealand)	1018·1	−2	W'N	4	c	58	75	8	5	-	-	10	10	2500	0	*
8	Manchester ...	1018·0	+2	WNW	3	id.	56	85	7	5	-	-	10	10	1500	1	*
10	Spurn Head ...	1015·7	0	SE	2	c	59	92	6	5	2	-	7-8	9+	1500	0	1
	Catterick ...	1014·9	−2	W'N	3	bc	65	55	8	7	-	-	4-6	4-6	4000	0	*
	Tynemouth ...	1014·6	−4	SE	2	c	57	85	7	4	-	-	7-8	7-8	1500	1	2
11	St. Abbs Head	1014·2	0	SE	3	bc	57	75	7	2	4	2	2-3	4-6	4000	0	2
	Leuchars ...	1014·1	+2	E	2	bc	60	75	8	4	4	6	1	4-6	4000	0	*
12	Renfrew (Abbotsl.)	1015·5	+2	WNW	4	c	60	75	9	1	4	6	Tr	9+	4000	0	*
	Eskdalemuir ...	1014·5	−2	W'N	4	c	60	75	8	5	1	2	Tr	7-8	4000	0	*
	Point of Ayre ...	1017·5	0	NNW	5	c	58	75	8	5	4	5	7-8	9+	2500	0	3
13A	Tiree	1018·0	0	NW'N	2	c	54	85	8	5	7	-	7-8	7-8	2500	0	2
13B	Stornoway ...	1016·7	−2	WNW	3	c	54	85	8	5	2	-	7-8	10	1500	1	1
15	Dalwhinnie ...		+6	NW	2	c	57	65	8	4	2	1	2-3	9+	4000	0	*
	Aberdeen ...	1014·4	−6	NW'N	4	c	59	65	8	5	-	-	7-8	7-8	2500	0	2
	Wick ...	1013·9	0	NW	3	c	54	75	8	5	7	-	7-8	9	1500	1	1
16	Lerwick ...	1011·0	+4	NNW	4	c/d	55	92	6	5	2	-	7-8	10	460	1	*
17	Blacksod Point	1021·1	−6	WNW	3	c	58	85	8	5	-	-	10	10	1500	0	3
18	Malin Head ...	1019·1	−4	N'W	2	c	55	97	7	8	-	-	9	9	1600	0	1
	Aldergrove ...	1018·8	−2	NNW	3	id.	55	85	8	5	-	-	10	10	1500	1	*
19	Birr Castle ...	1019·3	−2	WNW	1	c	59	75	8	5	2	-	9	10	1500	1	*
20	Valentia Obsy. †	1021·5	−6	NNW	3	c	59	75	9	5	-	1	9+	9+	4000	1	1
	Rochea Point	1021·1	−4	NNW	3	c	59	85	9	8	-	-	9+	9+	1500	0	1

PAST 24 HOURS.

Weather 7h.–13h. 26th (37)	Weather 13h.–18h. 26th (38)	Weather 18h. 26th – 1h. 27th (39)	Weather 1h.–7h. 27th (40)
c	cyc	c	cm.
c z. c	c	c	c
c	c y c	c	c
c	c	c	c
c	c	c	c
c mi dgc	c c z. y	c z.	c z.
c	c	o c z.	c z. c
c	c c z. c	c w	c
c r. c	c m.	c m.	c
o ir. z.	c z. z.	c b c z.	b c z.
c	c z.	c z.	c z.
c	c z. c	c	c m. w
c	c	c	c
c	c	c	c
c	c	c c b c	b w c
c q	c q	c	c
id. v c	v c	c	c
c id.	c	c	c d. d z.
c id. m. c	c id.	id. c m.	c m.
c	c m.	c	c
c b c y	c y b c y	y b c w	b c w c
o c	c b c	b c c	c b c
b c c	c b c	c	c
b v b c	b c y	b c c w m.	c w m. c
b c b	b b c c	c b c	b c b w
b c w b c	b c	b c c	c b c c w
c	c	c	c b c
c id.	c id.	c	c i f
c id.	c	c	c
c b c	b c c	*	b c
b c y	b c y c	c b c c	c b c c
c	c	c	c
c id.	c d d r.	c i d i r	c i d.
c	p r c	c	p r c
b c id.	c i d c	c	c d r c
c, r. d. c	c i d. c	c i d. c	c, i d m. c
c	c	c	c
c p r. c	c	c	c o
c p r. c	c p r. c	c w	c w c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
k, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Circocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

Note.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

† See disturbance reported from Dungeness.

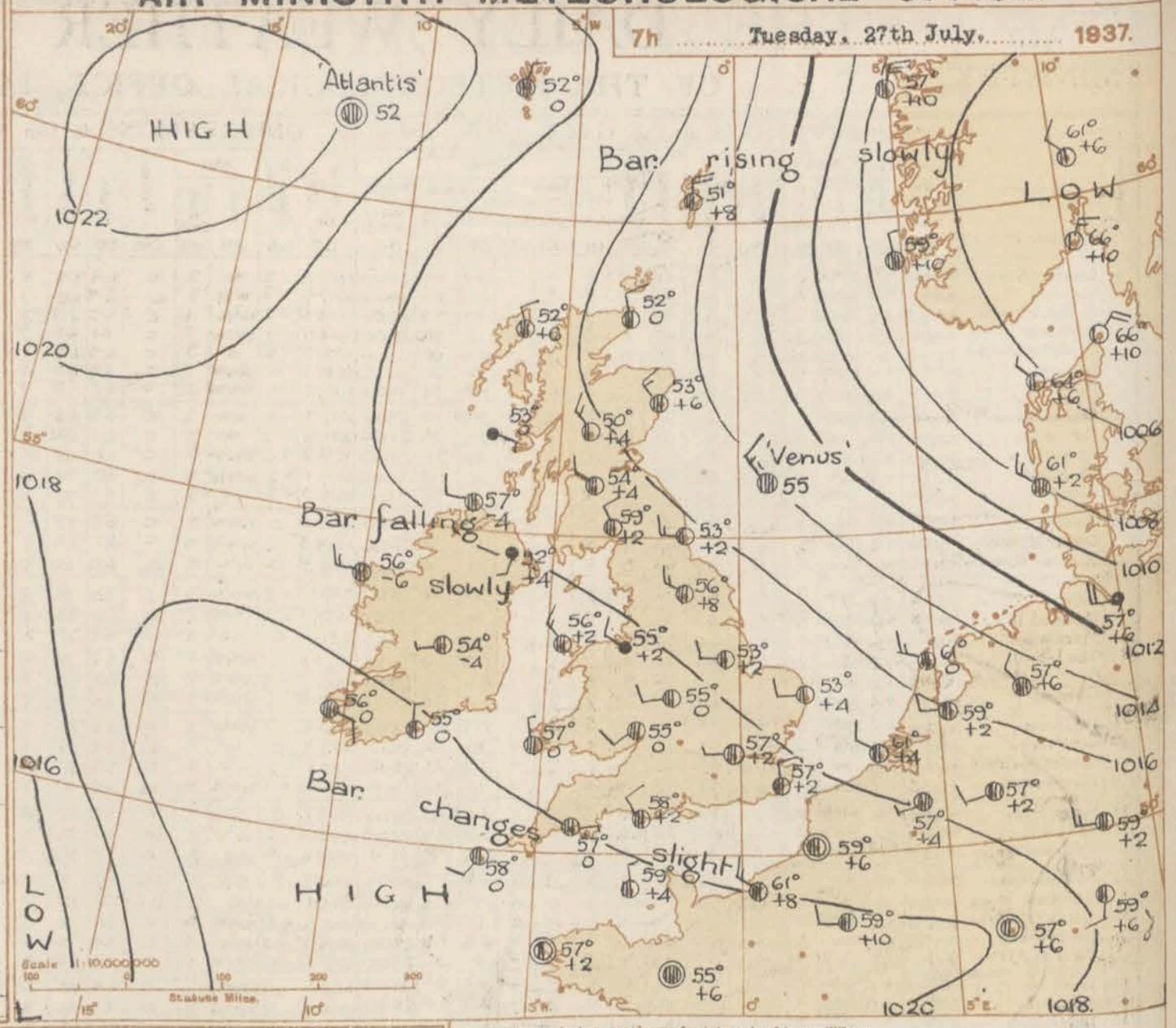
REPORTS from HEALTH RESORTS for 26th July 1937.

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 25th to 9h. 26th	Temperature (°F.) Max. 9h.—17h. 26th	Rainfall (mm.) Night. 17h. 25th to 9h. 26th	Rainfall (mm.) Day. 9h.—17h. 26th	Sunshine (Hrs.) Sunrise to 17h. 26th	Sunshine (Hrs.) Sunrise to Sunset. 25th
1	Tunbridge W.	oc	c	53	66	-	-	1·3	4·5
	Bournemouth	c	o	57	64	-	-	0·1	6·5
	Ventnor ...	ou	cou	55	66	-	-	0·4	7·6
	Southsea ...	o	o	55	66	-	-	0·5	5·8
	Bognor Regis	coc	bcbcc	53	67	-	-	0·7	5·7
	Littlehampton	c	c	52	66	-	-	1·4	4·4
	Worthing ...	cbc	bc	53	68	-	-	2·1	5·0
	Brighton ...	c	bc	54	68	-	-	3·4	5·1
	Eastbourne† ...	c	coc	55	66	-	-	2·7	8·1
	Hastings† ...	ocbc	bcbcc	52	69	-	-	2·7	5·6
	Folkestone ...	o	oc	53	66	-	-	0·9	2·7
	Dover ...	o	oc	56	66	-	-	1·2	2·9
	Deal	o	oc	54	65	-	-	0·6	1·9
	Ramsgate ...	c	c	58	65	-	-	0·1	2·9
	Margate ...	c	c	57	63	-	-	0·4	3·6
2	Southend ...	o	oc	57	66	-	-	0·5	1·2
	Maldon ...	o	oc	56	63	-	-	0·3	1·2
	Clacton-on-Sea	oc	c	53	62	-	-	0·0	1·0
	Dovercourt ...	oc	oc	53	62	-	-	0·0	2·1
	Lowestoft ...	cdc	cbcc	52	65	Trace	Trace	0·3	0·0
	Skegness ...	cbc	ccbc	54	64	Trace	-	2·1	0·0
	Mablethorpe...	bcco	bccco	52	64	Trace	-	2·1	0·1
	Cleethorpes ...	bcc	cbc	55	63	1	-	0·2	0·0
3	Leamington S.	oc	bcco	56	64	-	-	0·8	3·1
4	Cheltenham†	oc	c	56	64	-	-	0·1	1·9
5	Bath	c	c	58	64	-	-	0·3	0·8
	Weymouth ...	c	c	59	64	-	-	0·0	5·4
	Jersey ...	c	o	57	65	-	-	0·2	11·8
	Torquay ...	o	o	59	63	-	-	0·0	5·2
	Penzance ...	cbb	b	62	66	-	-	6·8	12·4
	St. Ives ...	o	bc	57	65	-	-	5·2	9·7
	Bude... ...	o	c	57	60	-	-	0·0	6·1
	Ilfracombe ...	coco	o	57	61	-	-	0·0	2·3
6	Aberystwyth	c	c	56	60	-	-	0·1	0·0
7	Llandudno ...	cdc	c	53	60	Trace	Trace	0·1	0·1
	Colwyn Bay...	o	do	54	60	-	0·3	0·1	0·0
	Rhyl	cdo	c	54	60	Trace	Trace	0·2	0·0
8	Wallasey ...	crc	c	55	58	-	Trace	0·0	0·0
	Southport ...	opo	oc	54	59	-	Trace	0·3	0·9
	Blackpool ...	oc	coc	54	59	Trace	-	0·8	0·0
	Morecambe ...	bccbc	ccbbc	54	60	-	-	2·4	9·3
9	Ilkley... ...	bc	bo	54	64	-	-	6·0	5·3
	Harrogate ...	c	bcb	53	64	-	-	4·6	7·3
10	Berwick-on-T.	cbc	bcbbc	53	60	-	-	7·7	5·6
11	Dunbar ...	bc	bc	50	68	-	-	12·1	10·1
12	Troon... ...	bcbcb	bbcbb	53	60	-	-	9·0	12·2
	Douglas ...	cbq	cbbc	51	59	-	-	6·6	6·7

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY. METEOROLOGICAL OFFICE.

7h ..... Tuesday, 27th July, ... 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 27th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light west winds; cloudy, bright periods; average temperature.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light variable winds; fair periods; rather cool.
7 North Wales ... 8 N.W. England	Light west to northwest winds; cloudy, light local drizzle; rather cool.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light northwest winds; fair periods; rather cool.
12 S.W. Scotland & Isle of Man. 13 {A. W Scotld. B.N.W.Scotland 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light northerly winds; cloudy, light local drizzle; rather cool.
17 N. W. Ireland 18 N. E. Ireland	Light variable winds; cloudy, local drizzle; rather cool.
19 S. E. Ireland 20 S. W. Ireland	Light variable wind; fair; rather cool.

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

GENERAL INFERENCE.

Pressure continues relatively high southwest of the British Isles and to the south of Iceland. Weather will be fair generally apart from slight drizzle at times in the extreme northwest and north. Temperatures will be average in the South but will be rather low elsewhere.

FURTHER OUTLOOK.

Mainly fair.

Forecasts issued at 0900 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of

TUESDAY, 27TH JULY.

1937.

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

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 27th July, 1937.
No. 27641.

OBSERVATIONS at 1 hr. G.M.T. 27th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1018.7	0	NW'W	2	c	59	85	8	5	-	-	10	10	2500
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	348	1019.3	+2	SW	1	2_o	58	75	6	5	-	-	10	10	2500
	Manston ...	142	1018.2	0	NW	2	c	59	75	6	5	-	-	10	10	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1016.8	0	W'S	3	bc	56	92	6	-	3	-	0	2.3	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1019.6	0	NNW	3	c	53	75	8	5	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1021.4	0	-	0	bc	52	97	8	7	4	-	2-3	4-6	2500
	Scilly (St. Mary's)	163	1021.7	-2	-	0	c	56	85	8	7	3	-	2-3	3	4000
	Guernsey ..	175	1020.7	-2	NNW	1	c	57	85	9	8	-	-	10	10	2500
6	Pembroke ...	142	1019.1	0	NW	1	c	57	92	8	5	-	-	10	10	2500
7	Holyhead ...	26	1018.8	0	WNW	3	c	57	85	8	7	2	-	9	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1016.2	+4	W	5	c	56	97	6	-	3	4	0	7-8	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1015.4	+4	WNW	3	c	55	85	7	5	-	-	7-8	7-8	1500
11	St. Abbs Head	280	1015.5	+6	WNW	1	c	55	85	8	5	2	-	4.6	10	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1018.4	+2	NW	4	c	55	85	8	5	2	-	2-3	10	800
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1016.3	-2	NNW	2	c	49	97	7	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1014.9	+2	NW	2	c	51	92	8	5	7	-	7-8	9+	1500
16	Lerwick ...	156	1013.2	+10	NNW	3	r	51	92	7	5	7	-	7-8	9	800
17	Blacksod Point	18	1020.4	-2	NW	3	c	57	85	8	5	-	-	7-8	7-8	1500
18	Malin Head ...	84	1017.7	-6	W	2	c	55	97	7	4	-	-	7-8	7-8	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1021.4	-2	W	1	0	56	92	8	5	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 27th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1015.2	+4	WNW	1	2_o	58	75	6	5	-	-	10	10	1500	1	*
	Croydon ...	1015.1	+2	W'S	1	c	57	75	6	5	-	-	10	10	4000	0	*
	S. Farnborough	1015.3	+2	W	2	c	55	85	7	5	-	-	10	10	2500	0	*
	Boscombe Down	1015.5	+2	NW'W	1	c	55	75	8	5	-	-	7-8	10	2500	0	*
	Calshot (Sthmtn.)	1015.6	+2	WNW	3	c	57	85	7	5	3	-	9	10	4000	0	2
	Lympne ...	1015.4	+2	NNW	2	2_o	57	75	6	5	3	-	7-8	7-8	4000	0	-
	Manston ...	1015.5	+4	WNW	3	c	58	65	7	5	-	-	9+	9+	4000	0	*
2	Shoeburyness ...	1018.8	+4	W'N	3	c	58	75	8	5	-	-	9+	9+	4000	0	*
	Felixstowe ...	1018.1	+2	W	3	c	57	75	6	5	-	-	9+	9+	2500	0	2
	Gorleston ...	1017.0	+4	W	2	bc	53	85	6	6	-	3	0	4.6	-	0	2
	Mildenhall ...	1017.8	0	W'N	3	2_o	56	85	6	5	-	-	10	10	4000	0	*
	Cranwell ...	1017.8	+2	W	2	2_o	53	52	6	-	4	4	0	8.6	-	1	*
3	Birmingham ...	1018.5	0	WSW	2	c	55	75	6	-	7	-	0	10	-	1	*
	Upper Heyford	1019.3	+2	W	2	c	55	75	8	5	-	-	10	10	2500	0	*
4	Ross-on-Wye	1018.7	0	SW	2	c	55	85	8	5	-	-	10	10	2500	0	*
5	Bristol ...	1019.7	0	W'S	2	c	57	75	7	5	-	-	10	10	2500	0	*
	Portland Bill ...	1019.8	+2	NW	2	c	53	85	8	4	-	-	10	10	2500	0	2
	Plymouth ...	1020.4	0	E'N	1	c	57	85	8	5	-	-	10	10	4000	0	0
	The Lizard ...	1020.7	0	-	0	c	57	85	8	8	6	-	9	10	2500	0	0
	Scilly (St. Mary's)	1020.9	0	SW'S	2	c	58	85	8	5	3	-	7-8	9+	2500	0	1
	Guernsey ..	1020.8	+4	NNW	1	c	59	75	8	8	-	-	9+	9+	2500	0	2
6	Pembroke ...	1018.6	0	NNW	1	c	57	85	8	5	-	-	9+	9+	2500	0	1
7	Holyhead ...	1018.5	+2	NW	3	c	56	85	8	7	-	-	10	10	2500	1	1
	Chester (Sealand)	1018.2	+2	WNW	2	d d	55	85	6	6	2	-	9	10	800	1	*
8	Manchester ...	1018.0	0	W'N	1	2_o	55	85	6	5	-	-	10	10	2500	1	*
10	Spurn Head ...	1016.5	+4	WNW	4	c	55	85	7	5	7	-	7-8	10	4000	0	3
	Catterick ...	1016.6	+8	WNW	3	c	56	75	8	5	3	-	7-8	9+	2500	0	*
	Tynemouth ...	1015.9	+2	W	3	bc	53	85	8	7	-	-	4.6	4.6	2500	0	2
11	St. Abbs Head	1016.0	+4	-	0	c	54	85	8	5	7	-	4-6	10	1500	0	2
	Leuchars ...	1015.8	+6	NW	1	c	55	85	8	5	-	-	9+	9+	2500	0	*
12	Renfrew (Abbots I.)	1016.8	+4	WNW	2	bc	54	85	8	5	4	1	4.6	4.6	4000	0	*
	Eskdalemuir ...	1016.3	+2	NW'N	2	c	51	85	8	5	3	-	7-8	7-8	1500	1	*
	Point of Ayre ...	1017.3	0	NW	4	bc	56	85	8	5	3	9	4.6	4.6	2500	9	2
13A	Tiree	1017.0	0	ESE	1	$1r_o$	53	97	6	-	2	-	9+	9+	1500	1	1
13B	Stornoway ...	1017.5	+6	WNW	2	c	52	97	8	5	7	-	7-8	10	1500	1	1
15	Dalwhinnie ...	1017.2	+4	NW	3	c	50	85	8	5	6	-	4-6	7-8	2500	0	*
	Aberdeen ...	1016.0	+6	NW	3	d p	53	85	8	5	3	1	2-3	9	1500	0	1
	Wick ...	1015.1	0	NNW	2	d c	52	92	8	5	2	-	4.6	10	1500	1	1
16	Lerwick ...	1014.5	+8	N	4	s d	51	92	7	8	7	-	7-8	9	800	1	*
17	Blacksod Point	1018.2	-6	W	3	c	56	92	8	5	-	-	10	10	1500	0	2
18	Malin Head ...	1017.0	-4	W	2	c	57	97	7	5	-	-	9+	9+	1500	0	1
	Aldergrove ...	1018.0	-4	SSW	1	ld	52	97	6	5	-	-	10	10	800	1	*
19	Birr Castle ...	1019.4	-4	WSW	1	c	54	97	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy. †	1020.5	0	E'S	2	o	56	85	9	5	-	-	10	10	4000	0	1
	Roches Point	1020.4	0	N	1	c	65	92	9	5	-	-	9+	9+	2500	0	1

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 24th Hrs. (36)
1	London (Kew)	66	57	55	-	-	0.7
	Croydon ...	65	56	55	-	-	0.6
	S. Farnborough	66	54	50	-	-	1.3
	Boscombe Down	62	53	50	-	-	0.2
	Calshot (Sthmtn.)	64	56	55	-	-	0.2
	Lympne ...	65	54	54	Tr	-	1.3
	Manston ...	63	57	56	-	-	0.3
2	Shoeburyness ...	66	55	53	-	-	1.0
	Felixstowe ...	62	54	51	Tr	-	0.0
	Gorleston ...	63	50	49	Tr	-	0.2
	Mildenhall ...	62	53	53	Tr	-	0.3
	Cranwell ...	64	45	39	-	-	1.0
3	Birmingham ...	62	54	53	-	-	1.4
	Upper Heyford	64	53	52	-	-	*
4	Ross-on-Wye	62	49	45	-	-	1.3
5	Bristol ...	64	53	52	-	-	1.2
	Portland Bill ...	62	56	*	-	-	*
	Plymouth ...	62	56	54	-	Tr	0.0
	The Lizard ...	68	51	*	-	Tr	*
	Scilly (St. Mary's)	65	54	*	-	-	1.5
	Guernsey ..	65	56	51	-	-	0.6
6	Pembroke ...	60	56	*	-	-	0.0
7	Holyhead ...	59	55	54	Tr	-	0.0
	Chester (Sealand)	59	55	54	Tr	Tr	0.1
8	Manchester ...	58	52	49	Tr	Tr	0.0
10	Spurn Head ...	64	53	*	-	-	0.4
	Catterick ...	67	50	46	-	-	6.9
	Tynemouth ...	63	53	50	-	-	2.0
11	St. Abbs Head	66	53	*	-	-	*
	Leuchars ...	68	51	44	-	-	13.1
12	Renfrew (Abbots I.)	65	47	43	-	-	12.5
	Eskdalemuir ...	67	42	36	-	-	8.9
	Point of Ayre ...	66	53	*	-	-	3.6
13A	Tiree	57	52	51	Tr	3	0.5
13B	Stornoway ...	57	49	*	Tr	-	0.7
15	Dalwhinnie ...	63	47	44	-	-	7.5
	Aberdeen ...	64	51	49	-	-	5.9
	Wick ...	58	50	*	-	-	*
16	Lerwick ...	58	50	*	0.2	0.3	0.3
17	Blacksod Point	60	53	*	0.3	0.4	*
18	Malin Head ...	57	53	*	0.2	1	4.1
	Aldergrove ...	58	52	43	Tr	0.2	0.2
19	Birr Castle ...	61	52	51	-	-	0.0
20	Valentia Obsy. †	62	55	53	Tr	-	0.4
	Roches Point	60	59	*	Tr	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
" 9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
Kew	18	c	cyc	cm$_o$	66	57	55	-	-	0.7	*	*	6
Croydon	217	cz$_o$c	c	c	65	56	55	-	-	0.6	*	*	7
Greenwich (Royal Observatory) ...	149	c	cy	c	67	56	53	-	-	0.5	57	64	6
City (Bunhill Row)	-	*	*	*	*	*	*	*	*	1.1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	67	57	55	—		1.2	56	66	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	67	56	55	-	-	1.0	65	65	*
Camden Square	110	c	c	*	67	55	55	-	-	*	*	62	*
Kensington	80	c	co	*	66	56	54	-	-	0.6	At 13h. 61	69	*
Hampstead Observatory	450	c	bc	bc	65	54	51	-	-	2.0	*	70	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
20.3	whole period		

Kew Observatory. Max.	Time.	Min.	Time.
0.1	4h 27th	20.1	7-18h 26th

FOREIGN OBSERVATIONS.

Stations.	18h G.M.T. 26th July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 27th July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	1018.6	WNW	3	c	64	1020.2	W	2	c	59	68	55	-	-
Brussels	1017.1	NW	3	c	68	1018.2	WSW	2	o	57	72	55	-	-
Berlin	1005.8	WSW	3	c	63	1011.5	W	3	$r_o r_o$	55	68	55	0.2	5
Zürich	1015.9	NW	3	bc	70	1017.4	NW	1	b	57	75	54	-	-
Rome	1011.8	SSE	2	bc	79						*	*	-	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 8, 22.—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 "	6½ "
7 Good "	12½ "
8 Very good "	31 "
9 Excellent "	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 28th July, 1937.

No. 27642.

OBSERVATIONS at 13h. G.M.T. 27th July

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1019·1	−2	WSW	2	c	63	55	8	8	–	–	10	10	2500
	Croydon ...	1019·3	+2	WSW	2	c	62	65	8	5	–	–	9+	9+	4000
	S. Farnborough	1019·0	−6	WNW	3	c	63	65	8	7	–	–	9+	10	2500
	Boscombe Down	1019·7	+2	W	2	c	60	75	7	5	–	–	10	10	2500
	Calshot (Sthmtn.)	1019·8	0	NW	1	c	61	66	8	5	7	–	7-8	10	4000
	Lympne ...	1019·7	+2	SW'S	2	c	60	75	6	5	–	–	10	10	4000
	Manston ...	1019·0	+2	NW	2	c	62	65	7	5	–	–	9+	9+	4000
2	Shoeburyness ...	1019·0	0	WNW	2	c	62	65	8	5	–	–	10	10	4000
	Felixstowe ...	1018·5	0	W'S	2	c	62	55	7	8	7	–	7-8	10	2500
	Gorleston ...	1017·3	+2	W'S	2	c	62	55	6	8	–	–	9+	9+	2500
	Mildenhall ...	1018·0	+2	W	3	c	61	75	7	5	–	–	10	10	2500
	Cranwell ...	1017·5	+2	W'S	3	c	60	75	7	8	–	–	10	10	4000
3	Birmingham ...	1018·5	0	NW	2	c	56	75	6	5	–	–	10	10	4000
	Upper Heyford	1019·2	0	W	2	c	61	65	8	5	7	–	7-8	10	2500
4	Ross-on-Wye	1018·5	−6	W'N	3	c	60	75	8	8	–	–	10	10	2500
5	Bristol ...	1019·5	−2	WSW	3	c	62	65	8	5	–	–	10	10	2500
	Portland Bill ...	1019·2	−4	W	3	c	60	75	8	4	–	–	10	10	2500
	Plymouth ...	1020·1	−2	SW	2	c	62	75	8	5	3	–	9	9+	4000
	The Lizard ...	1019·9	−2	SW'W	1	c	61	85	8	8	4	1	4-6	7-8	2500
	Scilly (St.Mary's)	1020·4	−2	S	3	c	63	65	8	8	7	–	2-3	9+	2500
	Guernsey ...	1020·3	−2	NW	2	c	64	65	9	2	7	–	4-6	7-8	2500
6	Pembroke ...	1019·0	−2	WNW	1	c	59	85	8	7	7	–	4-6	9+	4000
7	Holyhead ...	1018·4	0	WNW	3	c	60	75	9	7	4	–	7-8	9+	2500
	Chester(Sealand)	1017·9	−2	NW	4	bc	61	65	8	7	8	9	2-3	4-6	4000
8	Manchester ...	1018·2	+6	W'N	3	c	57	75	8	5	–	–	10	10	2500
10	Spurn Head ...	1017·3	0	–	0	c	62	85	7	5	2	–	9	10	2500
	Catterick ...	1016·4	+2	N'E	1	c	61	65	8	5	–	–	10	10	2500
	Tynemouth ...	1016·3	+4	N	2	c	56	92	7	5	–	–	9+	9+	1500
11	St Abbs Head	1016·7	+8	–	0	c/r	53	85	8	5	2	–	7-8	10	2500
	Leuchars ...	1016·7	+4	E	2	c	57	75	8	5	3	–	9	10	2500
12	Renfrew (Abbotsl.)	1016·6	−2	WNW	2	c	65	55	9	8	3	1	4-6	7-8	4000
	Eskdalemuir ...	1016·1	0	N'W	2	c	59	55	7	5	5	–	9	9+	1500
	Point of Ayre ...	1018·2	0	WNW	3	c	60	85	8	5	6	–	7-8	9	800
13A	Tiree	1018·2	+4	ENE	3	c	57	75	9	7	7	–	4-6	7-8	2500
13B	Stornoway ...	1019·1	+6	ENE	2	c	55	75	9	5	5	–	7-8	9+	4000
15	Dalwhinnie ...	1017·3	+6	–	0	c	57	65	8	4	5	–	4-6	10	2500
	Aberdeen ...	1016·8	+4	NW'N	4	id.	55	85	7	6	2	–	7-8	10	1500
	Wick ...	1016·5	+6	NNW	1	c/pr	55	92	8	5	7	–	7-8	9	1500
16	Lerwick ...	1015·0	+4	NNE	4	c	54	85	8	8	7	–	7-8	9+	1500
17	Blacksod Point	1019·5	+4	W	2	c	60	85	8	9	–	–	10	10	1500
18	Malin Head ...	1017·7	+4	N	2	bc	59	95	8	8	7	–	2-3	4-6	2500
	Aldergrove ...	1017·7	−2	W'N	2	c/pr	61	85	7	8	–	–	9+	9+	1500
19	Birr Castle ...	1019·3	−4	WSW	1	c	60	85	8	8	2	–	4-6	10	2500
20	Valentia Obsy. †	1020·0	−2	S	3	c	64	65	9	7	5	1	7-8	9	4000
	Roches Point	1020·1	−2	S'W	1	c	59	75	9	5	4	–	7-8	9	2500

OBSERVATIONS at 18h. G.M.T. 27th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1017·6	−8	W	2	c	62	65	7	5	–	–	10	10	2500	1	*
	Croydon ...	1017·7	−10	W'S	2	c	62	65	7	5	–	–	10	10	4000	6	*
	S. Farnborough	1017·6	−6	W'S	3	c	62	65	7	7	–	–	10	10	4000	0	*
	Boscombe Down	1018·0	−10	W	3	c	60	75	8	7	2	–	9	10	4000	0	*
	Calshot (Sthmtn.)	1018·6	−8	WSW	3	c	61	75	8	5	7	–	7-8	10	4000	0	2
	Lympne ...	1018·1	−8	SW'W	1	c	60	75	6	5	7	–	9+	9+	2500	0	1
	Manston ...	1017·4	−10	SW	1	c	61	65	7	5	–	–	10	10	4000	0	*
2	Shoeburyness ...	1017·5	−10	W	2	c	62	75	7	5	–	–	10	10	4000	0	*
	Felixstowe ...	1017·2	−6	WSW	2	z_o	62	65	6	5	–	–	9+	9+	4000	0	1
	Gorleston ...	1016·1	−6	W'S	2	c	63	65	6	8	–	–	10	10	2500	0	2
	Mildenhall ...	1016·7	−8	WSW	2	z_o	59	85	6	5	–	–	10	10	4000	0	*
	Cranwell ...	1016·5	−6	W'N	2	c	60	75	7	5	–	–	9+	9+	4000	1	*
3	Birmingham ...	1017·7	−6	WNW	2	c	59	65	8	7	–	–	10	10	4000	1	*
	Upper Heyford	1017·8	−8	WNW	2	c	59	75	8	5	7	–	7-8	10	4000	0	*
4	Ross-on-Wye	1017·6	−8	W	2	c	58	75	8	5	1	–	9+	10	2500	0	*
5	Bristol ...	1018·5	−6	W	3	c	59	76	7	5	7	–	7-8	10	2500	0	*
	Portland Bill ...	1018·1	−6	WSW	3	c	60	75	8	4	–	–	10	10	2500	0	3
	Plymouth ...	1019·1	−6	WSW	2	c	60	85	8	6	3	5	9	9+	4000	0	1
	The Lizard ...	1019·1	−4	–	0	c	63	75	8	2	3	–	2-3	9+	2500	0	0
	Scilly (St.Mary's)	1019·4	−2	WSW	2	c	63	75	8	4	6	–	7-8	7-8	4000	0	1
	Guernsey ...	1020·1	−6	NW	1	c	62	65	9	8	–	–	7-8	7-8	4000	0	1
6	Pembroke ...	1018·0	−4	N	1	c	57	75	8	5	7	–	4-6	9+	2500	0	1
7	Holyhead ...	1017·6	−4	SW	3	c	58	65	9	7	9	4	4-6	7-8	4000	0	1
	Chester(Sealand)	1017·2	−6	NW	2	c	60	75	8	1	3	–	1	9	2500	0	*
8	Manchester ...	1017·6	−4	WNW	3	c	57	85	7	7	3	–	4-6	9+	2500	0	*
10	Spurn Head ...	1015·9	−4	NNE	1	c	60	92	6	5	2	–	9+	10	1500	0	1
	Catterick ...	1016·0	+2	NNE	3	z_o	57	85	6	9	7	–	7-8	10	1500	0	*
	Tynemouth ...	1016·4	0	N	2	c	55	92	7	–	2	–	9	9	1500	0	2
11	St Abbs Head	1016·0	−4	NNW	2	ir$_o$	55	75	8	8	2	–	7-8	10	1500	1	1
	Leuchars ...	1016·6	−4	–	0	c	58	75	8	5	3	–	4-6	9+	2500	0	*
12	Renfrew (Abbotsl.)	1015·8	−2	WNW	2	bc	67	55	9	8	3	–	4-6	4-6	4000	0	*
	Eskdalemuir ...	1016·0	0	E'S	2	t	59	75	7	8	3	–	9+	9+	1500	1	*
	Point of Ayre ...	1017·3	−4	NW'W	3	c	60	92	8	8	8	–	2-3	7-8	1500	0	1
13A	Tiree	1017·9	0	N'E	3	bc	57	85	8	1	4	–	1	2-3	4000	0	2
13B	Stornoway ...	1018·9	0	N	3	c	56	75	9	5	7	–	7-8	9	4000	1	1
15	Dalwhinnie ...	–	−8	NNE	1	c	57	75	8	4	6	–	7-8	9	2500	1	*
	Aberdeen ...	1016·5	0	NNW	3	c	56	85	7	9	3	–	7-8	9	1500	1	1
	Wick ...	1016·8	0	NW	3	c	54	97	8	8	6	–	7-8	9+	1500	1	2
16	Lerwick ...	1015·2	0	N	4	c	53	85	8	8	7	–	7-8	9	1500	0	*
17	Blacksod Point	1017·9	−10	NW	2	c	60	85	8	2	3	–	4-6	7-8	1500	0	1
18	Malin Head ...	1017·7	−4	N	2	c	58	92	8	4	–	–	7-8	7-8	2500	0	1
	Aldergrove ...	1017·4	−2	NW	3	bc	62	75	9	8	3	–	1	2-3	1500	1	*
19	Birr Castle ...	1018·2	−6	W	1	c	61	85	7	8	1	–	7-8	9+	1500	1	*
20	Valentia Obsy. †	1018·3	−10	S	3	c	60	65	9	5	–	6	4-6	9+	7200	0	1
	Roches Point	1018·9	−6	WNW	1	c	60	85	9	5	–	5	4-6	7-8	2500	0	1

PAST 24 HOURS.

Weather. 7h.–13h. (37)	Weather. 13h.–18h. (38)	Weather. 18h. 27th to 1h. 28th (39)	Weather. 1h.–7h. 28th (40)
cm$_o$cy	cyc	c	ccm$_o$
cz$_o$c	c	ccm$_o$	cbccm$_o$
ccy	cyc	ccm$_o$	cbcm$_o$w
c	c	c	cmbcm$_o$
c	c	c	cbcbm$_o$
cz$_o$	c, cz$_o$	cz$_o$m$_o$	cm$_o$
c	c	ccz$_o$m$_o$	cbccm$_o$
c	c	c	cm$_o$
cm$_o$cy	cycm$_o$	cm$_o$	cm$_o$bcm$_o$
bcz$_o$c	cz$_o$z$_o$	c	cpr$_o$c
cz$_o$c	ccz$_o$	cz$_o$	cz$_o$offccm$_o$
bcm$_o$c	c	ccm$_o$m	pfccmbc
c	c	bcm	cbc
c	c	c	cm$_o$bm$_o$
c	c	bcc	cbc
c	c	cm$_o$	cm$_o$Wbc
c	c	c	cbc
ccv	cv	cv	c
cbcc	cbcc	cbccwc	c
c	c	c	cp$_o$
c	cbcc	c	ew
cv	c	bcw	vc
c	cbc	bccbW	bwf
r$_o$d$_o$cbc	bcc	c	cbcw
cm$_o$c	c	cbcm$_o$	bm$_o$Fcf
c	c	cpr	c
c	cypcm$_o$	d$_o$m$_o$c	c
bcc	cp$_o$	oir$_o$	oc
r$_o$r$_o$c	cp$_o$	c, cir	cir$_o$
cm$_o$c	cd$_o$d$_o$c	c	cw
cbc	beypr$_o$	bc	cbwfgm$_o$
cwc	cct	c	cwc
bcd$_o$c	cbcc	cbcw	bbccw
c	c	bcb	bbc
e	c	cd$_o$d$_o$	c
bcc	ciR	*	ciro
cid$_o$	crrc	cpr$_o$c	cid$_o$c
cpr$_o$	c	c	c
cpr$_o$	c	cpr$_o$	cpr$_o$
c	rbc	bc	bc
cbc	cbc	bc	bc
d, rm$_o$ pr$_o$	cPRpre	bcbw	bwbcc
c	c	pr$_o$bc	bcc
oc	c	c	cbcc
c	c	cbcw	bcwc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
. less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

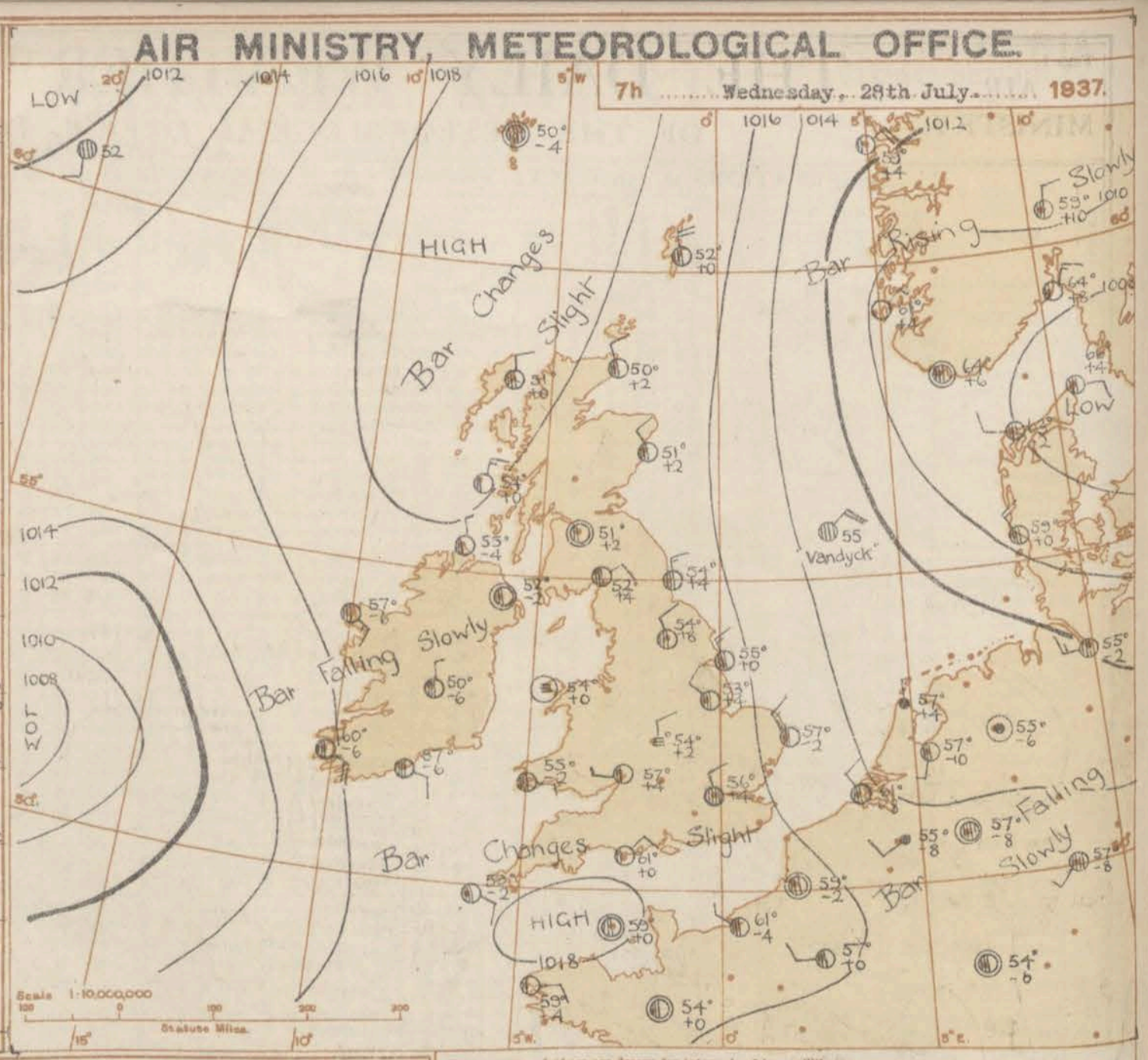
Note.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

† See disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 27th July 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 26th to 9h. 27th	Temperature (°F.) Max. 9h.—17h. 27th	Rainfall (mm.) Night. 17h. 26th to 9h. 27th	Rainfall (mm.) Day. 9h.—17h. 27th	Sunshine (Hrs.) Sunrise to 17h. 27th	Sunshine (Hrs.) Sunrise to Sunset. 26th
1	Tunbridge W.	o	o	56	63	-	-	0·0	1·4
	Bournemouth	o	o	55	62	-	-	0·0	0·1
	Ventnor ...	oc	o	55	62	-	-	0·4	0·4
	Southsea ...	o	o	56	64	-	-	0·0	0·5
	Bognor Regis	co	c	56	64	-	-	0·1	0·8
	Littlehampton	c	c	55	63	-	-	0·0	1·4
	Worthing ...	bcc	c	56	64	-	-	0·1	2·1
	Brighton ...	c	c	57	63	-	-	0·0	3·7
	Eastbourne† ...	oco	oc	56	64	-	-	0·6	2·7
	Hastings† ...	co	coc	55	66	-	-	0·3	2·7
	Folkestone ...	oco	coo	56	64	-	-	0·6	1·0
	Dover ...	oc	co	57	64	-	-	0·7	1·2
	Deal	oco	o	56	64	-	-	0·1	0·6
	Ramsgate ...	c	c	57	63	-	-	0·1	0·1
	Margate ...	c	c	57	63	-	-	0·2	0·6
2	Southend ...	c	co	55	65	-	-	0·0	0·7
	Maldon ...	oc	c	54	65	-	-	0·2	0·3
	Clacton-on-Sea	oc	co	52	64	-	-	0·1	0·0
	Dovercourt ...	oc	oc	63	64	-	-	0·2	0·0
	Lowestoft ...	bbcc	c	48	67	-	-	3·9	0·3
	Skegness ...	bc	coom.	48	64	-	-	4·3	2·1
	Mablethorpe...	bcc	co	49	63	-	-	1·8	2·1
	Cleethorpes ...	cbc	bcc	50	63	-	-	0·5	0·2
3	Leamington S.	co	o	55	62	-	-	0·0	0·9
4	Cheltenham†	o	oco	63	63	-	-	0·0	0·3
5	Bath	c	c	55	64	-	-	0·0	0·5
	Weymouth ...	c	c	55	64	-	-	0·0	0·0
	Jersey ...	oc	cbc	57	67	-	-	4·7	0·2
	Torquay ...	oc	c	56	64	-	-	0·0	0·0
	Penzance ...	c	c	50	66	-	-	0·3	3·0
	St. Ives ...	c	c	57	63	-	-	05·7	02·6
	Bude... ...	c	c	55	62	-	-	0·1	0·0
	Ilfracombe ...	ococ	cbcc	56	64	-	-	0·6	0·0
6	Aberystwyth	c	c	57	61	-	-	0·1	0·1
7	Llandudno ...	bbc	bcc	55	65	-	-	6·3	0·1
	Colwyn Bay...	bcbcb	bcbcc	55	62	-	-	6·0	0·1
	Rhyl	cbc	bcc	55	63	-	-	6·5	0·2
8	Wallasey ...	cbc	bcc	55	63	-	-	4·0	0·0
	Southport ...	coc	cbcc	55	62	-	-	1·1	0·3
	Blackpool ...	c	cbcc	55	61	-	-	2·2	1·1
	Morecambe ...	bcc	cbbcc	54	61	-	-	2·1	3·2
9	Ilkley... ...	c	c	51	64	-	-	1·0	6·4
	Harrogate ...	bcc	c	50	62	-	-	1·09	6·9
10	Berwick-on-T.	odd.	o	53	56	-	!	0·0	8·6
11	Dunbar ...	cm.	cm.	51	59	-	-	0·0	12·1
12	Troon... ...	ccbcc	bbcb	53	60	-	-	3·5	5·6
	Douglas ...	bbce	cr	51	64	-	Trace	3·5	6·6

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th July, 1937.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light variable winds; fair; average temperature.
5 S.W. England 6 South Wales ... 7 North Wales ...	Light southeast winds; cloud increasing, light local rain later; average temperature.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Light variable wind; mainly fair; rather cool, becoming average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light southeast winds; cloud increasing, light rain later; average temperature.

GENERAL INFERENCE.

Pressure is rather uniform over the British Isles and a depression westward of Ireland is extending slowly east. Weather will be fair generally in Great Britain apart from local showers in the eastern coastal areas. In Ireland and Southwest England there will be increasing cloud with light rain later.

FURTHER OUTLOOK.

Rather unsettled in the west and Southwest.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. (T) Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 28th July, 1937.
No. 27642.

OBSERVATIONS at 1 hr. G.M.T. 28th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1017·1	-6	NE'N	1	c	58	85	6	5	-	-	10	10	5700
	S. Faruborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017·2	-10	NW'W	2	Z_o	55	85	6	5	-	-	9+	9+	4000
	Manston ...	142	1016·4	-8	W	1	c	57	85	6	5	-	-	10	10	4000
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1015·6	-6	WSW	2	c	58	85	6	5	-	-	9+	9+	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1017·7	-4	NNE	2	c	57	85	8	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1018·2	-4	-	0	c	56	92	8	4	4	-	7·8	9	2500
	Scilly (St. Mary's)	163	1018·7	-6	N	1	c	57	85	8	5	2	-	7·8	10	2500
	Guernsey ..	175	1019·5	-10	W	1	c	57	85	9	8	-	-	9+	9+	4000
6	Pembroke ...	142	1017·6	-2	-	0	bc	53	92	8	7	6	-	2·3	4·6	4000
7	Holyhead ...	26	1017·9	0	SW	1	b	53	92	8	-	8	-	0	Tr	-
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1016·3	0	NW'N	3	c	56	92	7	5	7	-	4·6	9+	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1017·8	0	NNW	2	c/r	54	85	7	-	2	-	10	10	1500
11	St. Abbs Head	280	1017·4	0	N	3	ir	53	92	7	5	2	-	7·8	10	800
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1017·8	+2	WNW	3	b	51	97	8	-	-	-	0	0	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1019·9	+4	N	3	c	51	92	7	5	2	-	7·8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1018·2	+8	NW	3	c	51	85	8	8	6	-	7·8	10	1500
16	Lerwick ...	156	1016·7	+4	N	4	c	50	92	8	8	7	-	7·8	9+	1500
17	Blacksod Point	18	1017·9	-8	SE	2	c	56	85	8	4	3	-	2·3	7·8	2500
18	Malin Head ...	84	1018·6	+2	N	1	bc	54	97	7	-	4	-	0	2·3	-
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1017·4	-6	SSE	3	c	57	92	8	8	-	-	7·8	7·8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 28th

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1017·3	+6	N'E	3	Z_o	56	85	6	5	-	-	9+	9+	1500	1	*
	Croydon ...	1016·9	+4	N'W	2	Z_o	56	85	6	5	-	-	10	10	1500	0	*
	S. Faruborough	1017·1	+4	NW	2	Z_o	56	85	6	5	-	-	1	1	2500	0	*
	Boscombe Down	1017·4	+2	N	2	Z_o	56	85	7	5	3	5	2·3	4·6	5700	1	*
	Calshot (Sthmtn.)	1017·3	+2	NNW	3	Z_o	58	85	6	7	4	-	Tr	Tr	4000	0	1
	Lympne ...	1016·7	+2	NNW	3	Z_o	57	85	5	5	3	-	4·6	9	1500	0	0
	Manston ...	1015·6	+4	NW'N	4	Z_o	57	85	6	5	-	-	9+	9+	800	0	*
2	Shoeburyness...	1016·4	+4	N'W	2	c	56	85	6	5	-	-	10	10	2500	0	*
	Felixstowe ...	1015·5	+8	NW'N	3	Z_o	57	85	6	5	3	-	2·3	7·8	1500	0	1
	Gorleston ...	1014·3	-2	NW	3	c	57	85	6	8	3	-	4·6	9	2500	0	2
	Mildenhall ...	1016·4	+6	NW'N	2	Z_o	55	97	5	5	-	-	9+	9+	450	0	*
	Cranwell ...	1017·2	+4	NW'W	2	Z_o	53	97	6	5	3	-	4·6	9	5700	1	*
3	Birmingham ...	1017·6	+2	N	2	m	54	92	4	5	3	-	2·3	4·6	2500	1	*
	Upper Heyford	1018·0	+4	NW	2	Z_o	54	85	5	5	-	1	1	1	1500	0	*
4	Ross-on-Wye	1016·5	+4	W'N	1	bc	57	75	6	4	3	-	2·3	4·6	4000	0	*
5	Bristol ...	1017·8	0	-	0	Z_o	57	85	6	5	-	5	2·3	4·6	1500	0	*
	Portland Bill ...	1017·7	0	NE	2	bc	61	75	8	4	4	-	2·3	4·6	2500	0	2
	Plymouth ...	1017·4	-2	-	0	c	58	85	8	2	7	-	Tr	9	2500	0	0
	The Lizard ...	1017·3	0	NE	2	c	57	85	8	8	6	-	7·8	9+	2500	0	1
	Scilly (St. Mary's)	1017·3	-2	ESE	2	c/pr	59	85	8	8	6	3	4·6	9	2500	0	1
	Guernsey ..	1018·1	0	-	0	c	59	92	8	5	2	-	7·8	9	2500	0	1
6	Pembroke ...	1016·8	-2	E'S	1	c	55	92	9	5	7	-	4·6	7·8	4000	0	0
7	Holyhead ...	1017·5	0	-	0	f	54	97	2	-	-	-	10	10	<150	0	0
	Chester(Sealand)	1017·5	0	W'N	2	bc	59	75	7	7	3	-	2·3	4·6	2500	0	*
8	Manchester ...	1017·5	+4	-	0	f-	53	97	3	5	3	-	7·8	9+	2500	0	*
10	Spurn Head ...	1016·3	0	NNW	3	c	55	97	8	4	7	-	7·8	9+	2500	1	2
	Catterick ...	1017·7	+8	NNW	2	c	54	85	7	5	-	-	10	10	1500	0	*
	Tynemouth ...	1017·7	+4	N	3	c	54	85	7	5	-	-	7·8	7·8	1500	0	2
11	St. Abbs Head	1017·7	+4	NNE	3	c	52	75	8	4	3	-	7·8	9+	2500	1	2
	Leuchars ...	1018·0	+6	E	1	c	53	75	9	5	-	-	10	10	2500	0	*
12	Renfrew (Abbots L.)	1017·4	+2	-	0	Z_o	51	97	5	-	3	-	0	2·3	-	0	*
	Eskdalemuir ...	1017·7	+4	NE'E	2	c	52	85	7	5	-	-	10	10	1500	1	*
	Point of Ayre...	1017·6	0	NW'N	1	c	55	97	7	5	4	-	2·3	7·8	450	1	1
13A	Tiree	1018·0	0	N'E	3	bc	54	85	8	2	6	-	4·6	4·6	2500	0	2
13B	Stornoway ...	1019·4	0	N	2	c	51	85	9	5	7	-	7·8	10	1500	1	1
15	Dalwhinnie ...	*	0	NE	2	c	48	92	6	4	2	-	2·3	10	2500	1	*
	Aberdeen ...	1017·6	+2	NNW	2	c	51	85	8	5	-	-	9+	9+	1500	1	1
	Wick ...	1017·8	+2	NNW	2	c	50	85	8	5	2	-	7·8	9+	1500	1	1
16	Lerwick ...	1016·5	0	N	4	c	52	92	8	8	7	-	4·6	7·8	1500	0	*
17	Blacksod Point	1016·4	-6	SE	3	c	57	85	9	4	-	-	7·8	7·8	2500	0	2
18	Malin Head ...	1017·8	-4	N	1	bc	55	97	8	4	4	-	2·3	4·6	2500	0	1
	Aldergrove ...	1017·8	-2	-	0	bc	52	92	8	5	8	1	Tr	2·3	800	1	*
19	Birr Castle ...	1017·1	-6	N	1	c	56	97	8	5	7	-	7·8	9+	2500	1	*
20	Valentia Obsy. †	1015·7	-6	SE'E	4	c	60	75	8	5	-	-	9+	9+	4000	0	1
	Roches Point	1017·1	-6	ESE	2	c	57	92	8	5	3	-	2·3	7·8	4000	0	1

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 27th Hrs. (36)
1	London (Kew)	64	55	51	-	-	0·0
	Croydon ...	64	54	51	-	-	0·0
	S. Faruborough	63	50	43	-	-	0·0
	Boscombe Down	61	52	50	-	-	0·0
	Calshot (Sthmtn.)	63	56	55	-	-	0·1
	Lympne ...	63	52	49	-	-	0·3
	Manston ...	63	56	53	-	-	0·1
2	Shoeburyness...	64	53	45	-	-	0·1
	Felixstowe ...	64	56	53	-	-	0·0
	Gorleston ...	64	55	53	-	Tr	3·7
	Mildenhall ...	62	51	49	-	Tr	0·0
	Cranwell ...	61	50	48	-	-	3·5
3	Birmingham ...	59	52	48	-	-	0·0
	Upper Heyford	61	50	46	-	-	*
4	Ross-on-Wye	62	52	49	-	-	0·0
5	Bristol ...	63	49	43	-	-	0·0
	Portland Bill ...	62	55	*	-	-	*
	Plymouth ...	64	53	49	-	-	0·2
	The Lizard ...	67	55	*	-	-	*
	Scilly (St. Mary's)	65	56	*	-	Tr	0·0
	Guernsey ..	66	56	52	-	-	6·7
6	Pembroke ...	61	51	*	-	-	0·8
7	Holyhead ...	63	51	43	-	-	3·9
	Chester(Sealand)	64	52	47	Tr	-	4·3
8	Manchester ...	60	45	40	-	Tr	0·9
10	Spurn Head ...	63	53	*	-	2	0·7
	Catterick ...	65	52	49	-	Tr	1·7
	Tynemouth ...	59	53	50	Tr	Tr	2·2
11	St. Abbs Head	56	51	*	0·6	0·4	*
	Leuchars ...	61	52	51	Tr	-	0·2
12	Renfrew (Abbots L.)	68	45	42	Tr	-	10·9
	Eskdalemuir ...	62	45	41	-	-	5·1
	Point of Ayre...	65	47	*	Tr	-	6·0
13A	Tiree	58	52	49	Tr	-	7·9
13B	Stornoway ...	58	50	*	-	0·1	0·0
15	Dalwhinnie ...	58	47	48	3	0·1	1·0
	Aberdeen ...	57	50	49	6	Tr	1·0
	Wick ...	57	50	*	0·1	-	*
16	Lerwick ...	58	49	*	Tr	Tr	0·4
17	Blacksod Point	61	52	*	-	-	*
18	Malin Head ...	61	53	*	0·6	-	5·8
	Aldergrove ...	64	46	42	2	-	4·4
19	Birr Castle ...	64	47	39	-	Tr	0·0
20	Valentia Obsy. †	66	56	51	-	-	3·9
	Roches Point	63	52	*	-	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew	18	$c_m c_y$	$c_y c$	c	64	55	51	-	-	0·0	*	*	7
Croydon	217	$c Z_o c$	c	$c c_m$	64	54	51	-	-	0·0	*	*	6
Greenwich (Royal Observatory)	149	c	c	c	66	54	46	-	-	0·0	61	72	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·1	*	*	*
Westminster (St. James' Park)	27	*	*	*	63	56	51	-	-	0·0	61	72	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	63	54	50	-	-	0·1	61	79	*
Camden Square	110	c	c	*	64	55	51	-	-	*	*	72	*
Kensington	80	co	co	*	63	55	50	-	-	0·1	61	77	*
Hampstead Observatory	450	c	c	bc	62	51	44	-	-	0·1	*	75	*

At 18h.

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington.

Max.	Time.	Min.	Time.
<0·3 whole period			

Kew Observatory.

Max.	Time.	Min.	Time.
0·1	1h. 28th	<0·1	12h. 27th

FOREIGN OBSERVATIONS.

18h. G.M.T. 27th July

Stations	Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
Paris	1018·3	SW'W	2	c	66
Brussels	1017·2	NW	2	c	63
Berlin	1012·6	W	4	$d_o d_o$	59
Zürich	1015·8	WNW	2	b	73
Rome	1010·1	NW	1	bc	79

7h. G.M.T. 28th July

Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
1016·6	W	2	c	57
1014·6	WSW	2	$i d_o$	55
1011·5	W	3	c	55
1014·4	NW	1	c	59
1011·9	NE	2	b	73

Past 24 Hours

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
70	54	-	-
70	55	-	Tr
61	54	0·2	-
79	54	-	-
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1r observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 5 h.

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 29th July, 1937.

No. 27643.

District.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 28th July: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°Temp. °F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	OBSERVATIONS at 18h. G.M.T. 28th July: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather. (19)	°Temp. °F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)	Weather. 7h.–13h. 28th (37)	Weather. 13h.–18h. 28th (38)	Weather. 18h.–1h. 28th–29th (39)	Weather. 1h.–7h. 29th (40)	Sunshine 27th Hrs. (36)
1	London (Kew)	1017·2	0	NNE	3	c	64	55	7	8	-	4	9	9+	2500	1016·8	-2	NNE	2	c	66	55	7	8	-	4	7-8	9	2500	1	*	cm.cy	cy	cy	cm.	0·0
	Croydon ...	1016·5	-6	N	3	c	65	55	7	8	6	-	7-8	9	4000	1016·6	-2	NE'E	2	c	64	65	6	5	3	1	2-3	9+	4000	0	*	cmz.bcycym.cz	bcz.c	cm.		0·0
	S. Farnborough	1016·9	-2	N	2	c	67	55	7	8	-	9	9	9+	4000	1016·6	-2	ENE	1	bc	67	55	6	4	6	1	2-3	4-6	4000	0	*	bcm.cy	cybcy	ybcm.w	bcm.w	0·0
	Boscombe Down	1016·9	-6	N'E	1	z.	66	55	7	8	-	9	7-8	9	4000	1016·2	-4	E	1	bc	67	55	7	5	-	9	4-6	4-6	7200	0	*	bcm.cz.yc	z.ybcy	bcyc	cm.	0·1
	Calshot (Sthmtn.)	1017·0	-6	NW'N	1	z.	69	55	6	2	-	9	4-6	7-8	5700	1016·6	-2	SSW	3	z.	66	75	6	8	6	9	4-6	9+	4000	0	2	bcz.y	bcywz	cm.bcm.	cm.	0·3
	Lympne ...	1016·7	-2	N	2	c	68	55	8	2	6	1	4-6	7-8	1500	1017·4	0	N'E	2	c	61	65	8	8	6	-	4-6	7-8	4000	0	10	cbcz.bc	bccyc	bcc	c	0·1
	Manston ...	1016·6	+4	NNW	2	c	62	75	7	2	7	-	7-8	7-8	1500	1016·9	0	N'E	3	c	61	75	8	2	3	1	2-3	9	2500	0	*	cm.bcc	c	cbcc	c	
2	Shoeburyness ...	1016·9	0	N'W	2	c	62	75	8	8	-	-	10	10	4000	1017·1	0	N'W	2	c	62	65	8	5	-	-	10	10	4000	0	*	m.bcc	c	c	cw	0·1
	Felixstowe ...	1016·3	+2	NW	3	c	62	63	8	8	-	-	9	9	2500	1016·9	+2	NNW	2	c	62	65	8	8	3	-	4-6	7-8	2500	0	1	bcm.cv	cvycv	cvbc	bcc	0·0
	Gorleston ...	1015·8	+4	NW'N	4	c	62	55	7	8	-	-	9+	9+	2500	1016·7	+2	NW	3	c	60	75	7	8	-	-	9+	9+	2500	0	2	cy	c	cbcc	c	3·7
	Mildenhall ...	1016·8	-2	NNW	3	c	61	76	8	9	6	-	7-8	9+	2500	1017·0	0	N'W	2	bc	61	75	8	4	-	6	1	4-6	2500	1	*	cm.bcpp	cbc	bcb.offe	offecm.	0·0
	Cranwell ...	1017·3	-2	NW'N	3	c	61	65	7	8	-	-	9	9	2500	1017·0	-2	-	0	c	61	75	7	8	-	-	10	10	2500	1	*	cm.c	cbcc	cbc	bccw	3·5
3	Birmingham ...	1017·3	-4	N	1	c	57	55	7	7	-	-	7-8	7-8	4000	1016·9	-4	SSE	1	c	64	65	6	-	7	6	0	7-8	-	1	*	cbcc	c	cbc	bcf	0·0
	Upper Heyford	1017·6	-4	NE	2	c	64	65	8	8	6	1	4-6	9	2500	1016·8	-2	ENE	1	c	65	65	7	-	-	2	0	7-8	-	0	*	bm.cz.c	cyc	cbcc	cm.	*
4	Ross-on-Wye	1016·6	-8	W'S	1	c	66	65	7	7	3	-	4-6	7-8	4000	1016·2	-6	E	1	c	66	65	6	-	7	-	0	7-8	-	0	*	bcc	cy	bcb	bbclcm	0·0
5	Bristol ...	1017·3	-8	-	0	c	66	55	7	1	5	-	4-6	7-8	4000	1016·6	-2	E	1	z.	67	65	7	7	6	9	2-3	7-8	5700	0	*	bc,cz	cz	cbcw	bcbwc	0·0
	Portland Bill ...	1017·3	-2	WSW	2	bc	63	75	8	4	-	-	2-3	2-3	2500	1016·8	-6	W	2	c	61	86	8	4	4	-	7-8	10	2500	0	2	bcbc	bcc	c	c	*
	Plymouth ...	1017·4	0	S	3	c	61	85	8	7	3	9	9	9+	4000	1016·6	-4	S	3	c	60	85	8	1	7	-	Tr	9+	4000	0	1	c	c	c	c	0·2
	The Lizard ...	1017·1	0	ESE	2	c	65	65	8	8	6	1	2-3	7-8	2500	1016·1	-6	E	2	r.r.	59	92	8	8	2	-	9	10	1500	1	1	cbcc	crrc	r.pr.	pr.c	*
	Scilly (St.Mary's)	1016·6	-8	ESE	3	c	64	85	8	8	7	-	7-8	9	2500	1015·5	-6	SSE	3	c	59	85	8	8	7	-	7-8	10	2500	0	2	cir.	c	cir.c	c	0·0
	Guernsey ...	1017·5	-2	ENE	1	c	64	78	8	8	7	-	4-6	7-8	2500	1017·5	-4	ENE	1	c	62	75	7	8	7	-	4-6	9	2500	0	1	cbcc	cbcc	c	c	6·7
6	Pembroke ...	1016·1	-2	S'W	2	c	62	75	8	7	7	-	4-6	7-8	2500	1015·8	-6	N'E	2	c	62	65	8	7	7	-	4-6	9+	2500	0	1		c	c	cz.	0·8
7	Holyhead ...	1017·2	-2	NW'W	3	bc	60	85	8	8	5	4	2-3	4-6	1500	1016·8	-2	N	2	c	59	85	8	1	3	6	Tr	7-8	4000	0	1	ffbc	bc	ybc	bcwb	3·9
	Chester(Sealand)	1016·9	-6	WNW	3	bc	67	55	7	8	-	8	2-3	4-6	2500	1016·7	-2	W'N	3	bc	65	65	7	2	-	8	1	4-6	4000	0	*	bcz.y	bcyz.bc	bcwm.	bcwlFe	4·3
8	Manchester ...	1017·0	-6	SSE	1	z.	65	65	6	8	-	-	7-8	7-8	4000	1016·3	-4	NNE	1	c	67	65	7	7	3	-	4-6	7-8	4000	0	*	cfz.	cz.fz.	cbc	bFFw	0·9
10	Spurn Head ...	1017·0	+4	N'W	5	c	61	85	7	7	6	-	4-6	7-8	4000	1017·2	0	N	4	bc	58	85	7	-	4	-	0	2-3	-	0	3	c	cbc	bcc	c	0·7
	Catterick ...	1017·0	+6	NNE	1	bc	62	55	7	7	-	-	4-6	4-6	4000	1017·0	-2	NE'E	2	z.	59	65	6	5	-	-	Tr	Tr	4000	0	*	cbcy	yez.bz.	bwm.	bwm.bc	1·7
	Tynemouth ...	1017·7	0	N	3	bc	56	75	8	5	-	-	4-6	4-6	1500	1017·2	-2	NE	2	bc	55	75	8	1	-	-	2-3	2-3	1500	0	2	cbc	bc	bcc	o	2·2
11	St Abbs Head	1017·4	0	NNE	1	c	55	75	9	7	4	-	4-6	7-8	4000	1017·2	-2	ESE	3	bc	55	75	8	-	3	1	0	2-3	-	0	2	c	b	c	c	*
	Leuchars ...	1017·8	-2	E	3	c	59	65	8	7	3	1	4-6	7-8	2500	1017·4	0	E	3	b	57	65	8	-	4	-	0	1	-	0	*	cwc	cbcb	bbcc	c	10·9
12	Renfrew (Abbotsl.)	1016·2	-10	E	1	z.	68	65	5	1	-	-	2-3	2-3	5700	1015·3	-2	W	2	bc	68	65	9	1	-	-	Tr	2-3	4000	0	*	bm.bcz.	bcz.bcy	bcym.	bcmfgw	5·1
	Eskdalemuir ...	1016·5	-4	SE	1	c.	61	75	8	5	-	-	9	9	1500	1015·9	0	SSW	3	c	62	75	8	8	3	-	9	9	1500	0	*	c	c	cbc	bcwc	6·0
	Point of Ayre...	1017·6	0	NE	1	bc	61	85	8	5	4	-	1	4-6	800	1017·1	-4	NW	1	c	61	75	8	1	-	6	Tr	7-8	4000	0	1	cbc	bcc	cbcbw	bw	7·9
13A	Tiree	1017·7	0	N	2	bc	60	75	9	2	3	-	2-3	2-3	4000	1017·2	0	N	2	bc	56	85	8	-	4	-	0	2-3	-	0	2	bc	bc	bcbw	bbcw	0·0
13B	Stornoway ...	1018·5	-4	NNE	2	c	54	75	9	5	3	-	4-6	9+	1500	1018·2	-4	NNE	3	c	59	75	9	5	7	-	4-6	7-8	4000	1	1	c	bcc	c	c	1·0
15	Dalwhinnie ...	1017·2	-10	-	0	b	60	65	8	-	4	-	0	Tr	-	1015·9	-4	NE	2	b	64	63	8	-	-	-	0	0	-	0	*	cbcb	bcb	*	b	1·0
	Aberdeen ...	1017·4	0	NNW	2	c	56	75	8	5	-	-	9+	9+	2500	1017·1	-2	N	3	b	55	65	8	5	-	-	1	1	2500	1	1	cd.c	cb	cbwcw	cwcv	*
	Wick ...	1017·9	+2	N	2	c	54	75	8	5	2	-	9	10	1500	1017·6	0	NNW	2	c	59	75	8	5	2	-	9	10	1500	1	1	c	c	c	c	0·4
16	Lerwick ...	1015·8	-2	NNE	4	c	53	85	8	8	7	-	7-8	9+	800	1015·7	0	NNE	4	c/pr	53	92	8	8	7	-	7-8	9+	800	1	*	cid.	c	c	c	*
17	Blacksod Point	1016·6	-6	ESE	3	c	66	65	8	2	4	-	2-3	7-8	2500	1015·0	-2	NNW	3	c	64	65	8	5	-	-	7-8	7-8	1500	0	2	bc	bc	bc	bc	5·8
18	Malin Head ...	1017·5	-2	N'E	1	bc	57	97	8	2	4	4	2-3	4-6	2500	1017·0	-6	N'E	1	bc	57	92	8	4	-	4	2-3	4-6	2500	0	1	bc	bc	bc	bc	4·4
	Aldergrove ...	1017·3	-2	WSW	1	bc	67	65	9	2	8	8	1	4-6	2500	1016·2	-2	NW'W	1	c	68	55	9	2	3	8	1	7-8	2500	1	*	bbc	bccy	cybcw	bcwjf	
19	Birr Castle ...	1016·5	-6	ESE	1	c	68	65	8	8	7	-	7-8	9+	2500	1015·4	-4	S	1	c	66	65	8	5	3	1	2-3	7-8	2500	0	*	c	c	c	c	0·0
20	Valentia Obsy. †	1014·8	-2	SE	5	pr.	63	75	8	5	1	1	7-8	9+	2500	1013·7	-6	SE	5	c	64	75	8	5	3	1	7-8	9	2500	0	1	cpr.	cpr.c	c	cpr.c	3·9
	Roches Point	1016·8	-2	SE	3	bc	69	85	9	2	3	9	2-3	4-6	2500	1015·8	-8	SSE	3	c	60	85	9	5	7	5	4-6	7-8	1500	0	3	cbc	bcc	e	crrc	*

† Sea disturbance reported from Dungeness.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jc, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r., slight rain. rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ⓛ lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large Cu (or Cb) and Sc.
9 Large Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 . . Ground dry.
1 . . „ wet.
2 . . „ flooded.
3 . . „ frozen hard and dry.
4 . . „ partly covered with snow or hail.
5 . . „ covered with ice or glazed frost.
6 . . Ground covered with thawing snow.
7 . . „ covered with snow, less than 6 ins., deep but ground not frozen.
8 . . „ covered with snow, less than 6 ins., but ground frozen.
9 . . „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

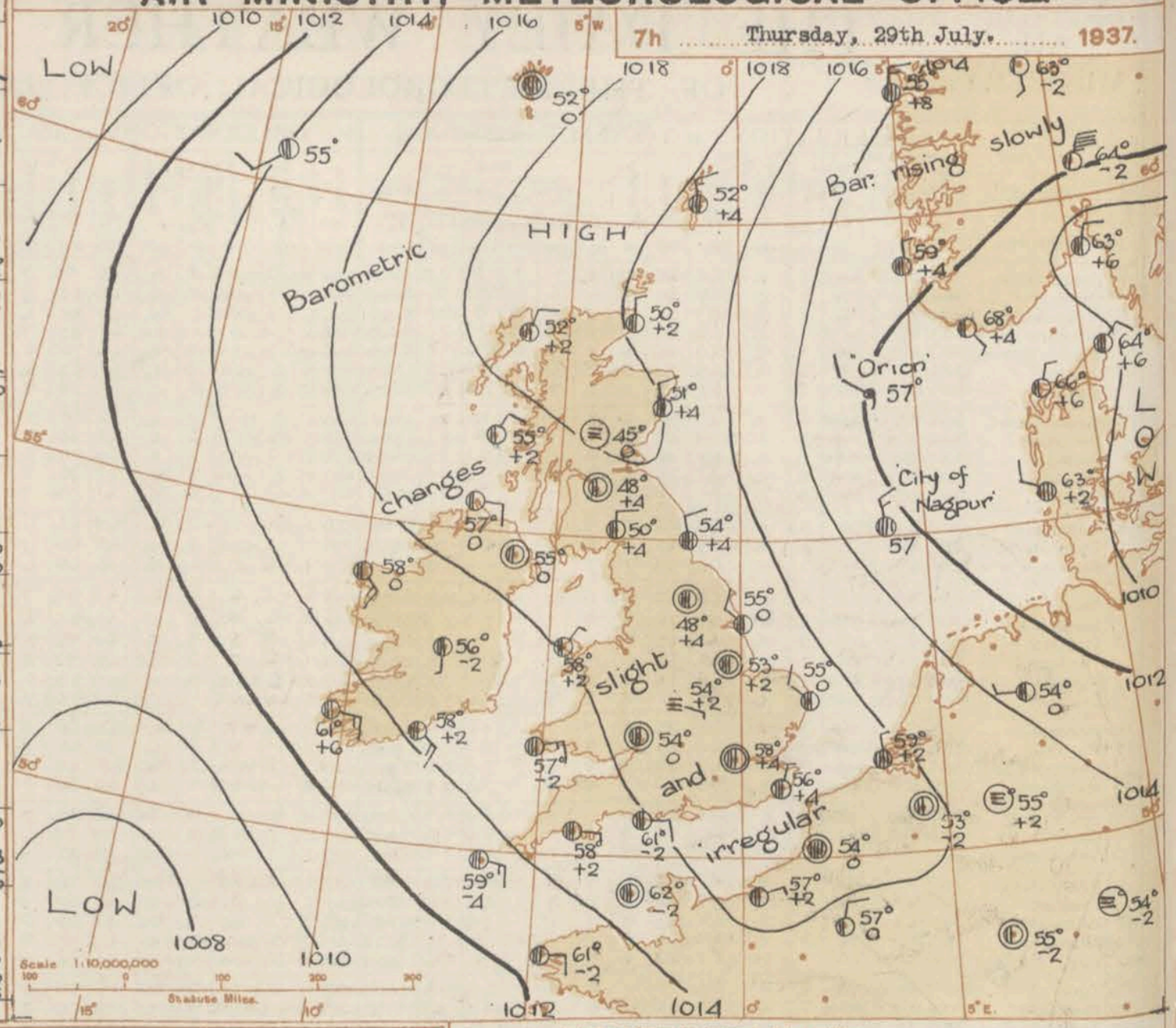
REPORTS from HEALTH RESORTS for 28th July 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 27th to 9h. 28th	Temperature. (°F.) Max. 9h.—17h. 28th	Rainfall. (ins.) Night. 17h. 27th to 9h. 28th	Rainfall. (ins.) Day. 9h.—17h. 28th	Sunshine. (Hrs.) Sunrise to 17h. 28th	Sunshine. (Hrs.) Sunrise to Sunset. 27th
1	Tunbridge W.	cbc	bccoc	52	67	-	-	5·0	0·0
	Bournemouth	bbcb	bcbb	54	71	-	-	7·0	0·●
	Ventnor ...	bbc2	b2	55	69	-	-	10·2	0·4
	Southsea ...	b	bc	56	70	-	-	8·2	0·0
	Bognor Regis	bbc	bcc	56	68	-	-	6·9	0·0
	Littlehampton	bc	bcc	56	71	-	-	8·1	0·1
	Worthing ...	bc	bbc	56	69	-	-	6·7	0·1
	Brighton ...	b	c	55	70	-	-	3·7	0·0
	Eastbourne† ...	cbcc	c	56	69	-	-	6·7	0·6
	Hastings† ...	bcbbc	bccbc	55	66	-	-	6·0	0·3
	Folkestone ...	cbcbbc	bcc	55	69	-	-	4·8	0·6
	Dover ...	bcc	c	56	68	-	-	4·0	0·7
	Deal	obc	coc	55	69	-	-	3·7	0·1
	Ramsgate ...	bc	bccv	57	64	-	-	5·2	0·1
	Margate ...	bc	bcc	57	64	-	-	5·0	0·2
2	Southend ...	c	coco	55	67	-	-	3·0	0·0
	Maldon ...	bc	co	55	64	-	-	2·7	0·2
	Clacton-on-Sea	bc	bcc	53	65	-	-	4·6	0·1
	Dovercourt ...	bcv	bcv	55	68	-	-	4·5	0·2
	Lowestoft ...	bcrbc	cbcc	54	68	0·1	-	3·6	3·9
	Skegness ...	bc	bcb	52	62	0·5	-	4·5	4·3
	Mablethorpe...	bcbcc	bbcbc	51	62	Trace	-	8·0	1·8
	Cleethorpes ...	bcc	bc	53	61	4	-	5·3	0·5
3	Leamington S.	bc	bcc	49	68	-	-	4·8	0·0
4	Cheltenham†	cbc	bcc	53	70	-	-	5·8	0·0
5	Bath	bcb	cbc	53	71	-	-	6·9	0·0
	Weymouth ...	bbc	b	53	67	-	-	9·0	0·0
	Jersey ...	cbc	bcc	56	67	-	-	3·7	4·8
	Torquay ...	b	bcbbc	52	66	-	-	8·7	0·0
	Penzance ...	ccbbc	bcrbc	54	66	-	Trace	3·8	0·7
	St. Ives ...	c	c	56	64	-	-	2·3	5·7
	Bude... ...	bcbcc	c	46	69	-	-	4·4	0·1
	Ilfracombe ...	bcbbc	cbbc	50	67	-	-	10·3	0·6
6	Aberystwyth	bc	bcc	50	65	-	-	8·8	1·3
7	Llandudno ...	b	bc	50	66	-	-	10·2	7·1
	Colwyn Bay...	bcbcb	bcbcb	49	62	-	-	10·7	6·2
	Rhyl	bbc	bcb	48	66	-	-	10·5	6·8
8	Wallasey ...	cbcb	bbc	56	65	-	-	8·4	4·0
	Southport ...	bc	bcb	55	65	-	-	8·0	1·1
	Blackpool ...	bcc	bcbbc	55	64	-	-	7·8	2·3
	Morecambe ...	bccbc	bbc	49	66	-	-	8·0	2·5
9	Ilkley... ...	c	bcc	50	67	0·1	-	2·1	1·3
	Harrogate ...	cbc	bcc	50	64	2	-	2·5	1·0
10	Berwick-on-T.	pc	cbcb	51	57	1	-	2·8	0·0
11	Dunbar ...	bc	bc	52	57	-	-	3·9	0·0
12	Troon... ...	b	b	51	63	-	-	11·5	6·0
	Douglas ...	bc	bc	49	70	-	-	10·8	4·5

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Thursday, 29th July, ... 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th July, 1937.
1 S.E. England	Light variable winds; fair, sunny periods; average temperature.
2 E. England ...	Light north winds; cloudy; rather cool.
3 E. Midlands ...	Light variable winds; fair; sunny periods; average temperature.
4 W. Midlands ...	
5 S.W. England	Light southeast winds; mainly fair; local showers in extreme southwest; average temperature.
6 South Wales ...	
7 North Wales ...	Light variable winds; fair, long sunny periods; average temperature.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Light north winds; cloudy; rather cool.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 7 - 9.
13 A. W. Scotld. / B.N.W.Scotland.	Light north winds; mainly cloudy; rather cool.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	Light southeast winds; fair, sunny periods; average temperature.
18 N. E. Ireland	
19 S. E. Ireland	Light southeast winds; cloudy local showers; average temperature.
20 S. W. Ireland	

GENERAL INFERENCE.

A feeble ridge of high pressure covers the British Isles. Weather will be fair in most districts with long sunny periods but mainly cloudy and rather cool in the Northeast and cloudy with local showers in the extreme Southwest.

FURTHER OUTLOOK.

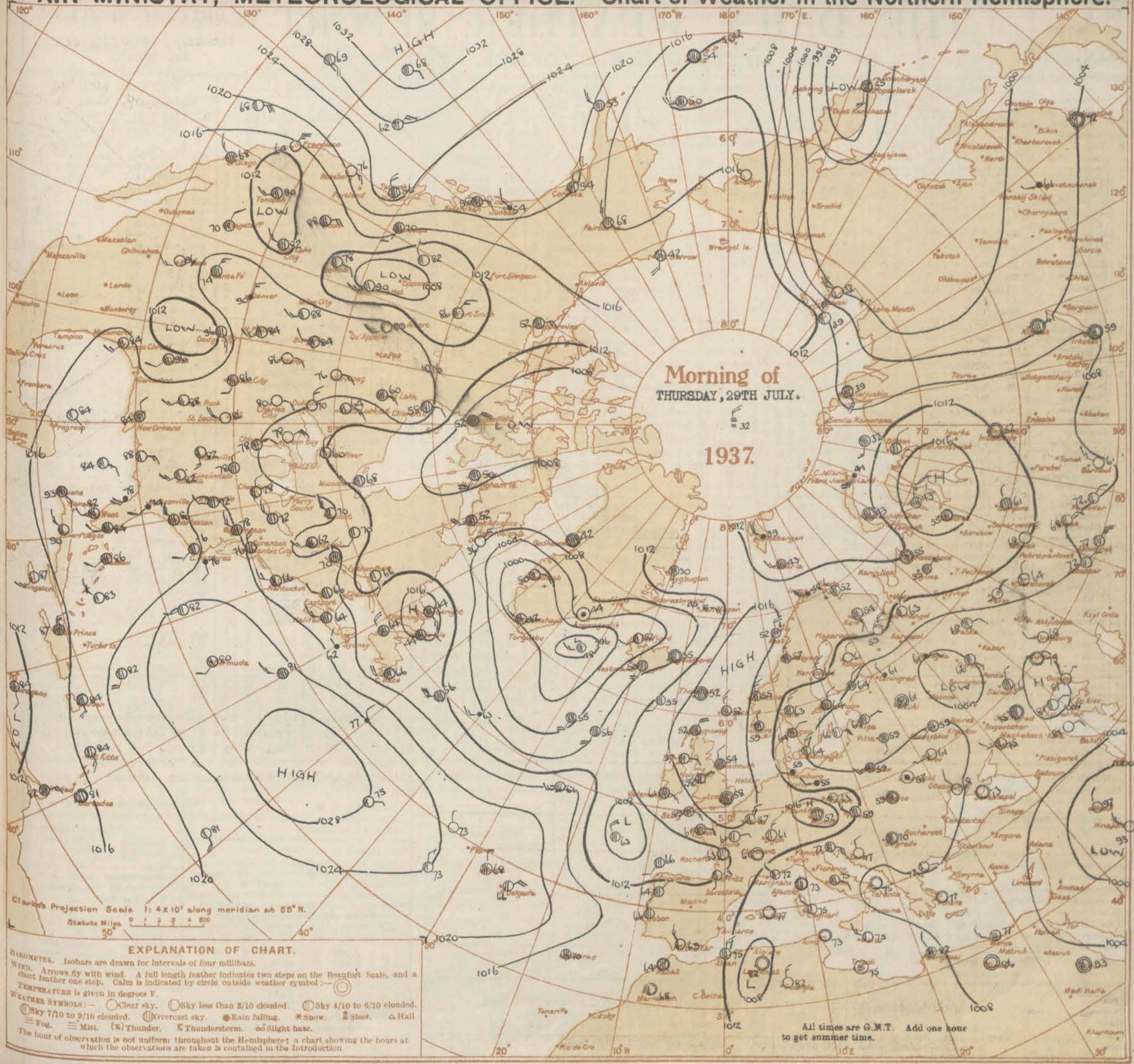
Fair in most districts.

Forecasts issued at 0940 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

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

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 2/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 29th July, 1937.

No. 27643.

OBSERVATIONS at 1 hr. G.M.T. 29th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0-12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1017·1	-6	-	0	Z_o	56	85	6	5	3	2	2·3	7·8	5700
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017·9	-4	-	0	c	54	92	7	5	-	-	9+	9+	4000
	Manston ...	142	1017·0	-6	-	0	c	55	92	7	5	-	-	9	9	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1016·8	-2	WNW	2	c	54	92	7	5	-	-	7·8	7·8	4000
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1016·6	0	NNE	2	c	58	75	7	4	-	-	9	9	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1015·8	-6	ENE	1	p_o	57	97	8	3	2	-	9	10	1500
	Scilly (St. Mary's)	163	1015·2	-4	E'S	3	c	58	92	8	8	7	-	7·8	9+	2500
	Guernsey ..	175	1017·1	0	E	1	c	58	85	7	8	-	-	10	10	2500
6	Pembroke ...	142	1016·2	-2	ENE	2	c	57	85	8	5	6	-	4·6	7·8	2500
7	Holyhead ...	26	1016·5	-2	-	0	bc	55	92	8	-	8	8	0	2·3	-
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017·3	0	NNW	2	c	54	97	8	4	1	-	4·6	7·8	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1018·2	0	-	0	c	53	92	7	5	-	-	9+	9+	1500
11	St. Abbs Head	280	1017·6	0	SW	1	c	52	85	8	1	3	2	4·6	7·8	4000
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1017·1	0	W'N	1	b	49	97	8	-	-	1	0	Tr	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1018·4	0	N	2	c	51	85	8	5	7	-	7·8	9	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1017·8	-4	N	1	c	49	85	8	5	2	-	9	10	1500
16	Lerwick ...	156	1016·5	+2	N	3	c	51	92	8	5	7	-	7·8	9	1500
17	Blacksod Point	18	1014·8	0	-	0	c	59	85	8	4	5	-	2·3	7·8	2500
18	Malin Head ...	84	1016·3	-2	-	0	bc	53	97	8	7	-	-	4·6	4·6	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	-	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1013·4	0	SSE	3	c	59	97	8	8	-	-	7·8	7·8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 29th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1016·6	+2	-	0	Z_o	59	85	5	5	-	-	9+	9+	1500	1	*
	Croydon ...	1016·8	+4	-	0	Z_o	58	85	6	5	-	-	9+	9+	3700	0	*
	S. Farnborough	1016·8	+4	E	1	Z_o	57	85	5	5	3	9	2·3	4·6	4000	0	*
	Boscombe Down	1016·4	+2	NE	1	Z_o	54	92	5	5	-	-	10	10	4000	0	*
	Calshot (Sthmtn.)	1016·4	+2	E	2	Z_o	61	92	6	5	-	-	10	10	4000	0	1
	Lympne ...	1017·2	+4	NNE	1	c	56	92	7	5	-	-	10	10	4000	0	1
	Manston ...	1016·5	+2	NNE	3	c	57	75	7	5	-	-	9+	9+	2500	0	*
2	Shoeburyness ...	1016·9	+4	N'E	2	c	56	85	8	5	-	-	9+	9+	4000	0	*
	Felixstowe ...	1016·9	+2	N	1	c	55	85	8	5	-	-	9+	9+	4000	0	1
	Gorleston ...	1016·4	0	NW'W	2	c	55	85	6	5	-	-	10	10	2500	0	2
	Mildenhall ...	1017·1	+2	-	0	c	52	97	7	5	-	-	9+	9+	4000	1	*
	Cranwell ...	1017·3	+2	-	0	c	53	92	7	5	-	-	9+	9+	2500	1	*
3	Birmingham ...	1017·1	+2	ESE	1	f	54	92	3	-	-	-	10	10	<150	1	*
	Upper Heyford	1017·2	+4	-	0	Z_o	54	92	5	5	7	-	2·3	7·8	4000	0	*
4	Ross-on-Wye	1016·4	0	-	0	Z_o	54	92	5	-	2	-	0	9+	-	0	*
5	Bristol ...	1016·3	+2	E	1	Z_o	56	92	6	5	-	-	9+	9+	4000	0	*
	Portland Bill ...	1015·7	-2	E	2	c	61	85	7	4	4	-	4·6	10	2500	0	2
	Plymouth ...	1015·2	+2	E	1	c	58	85	8	-	7	-	0	9+	-	0	1
	The Lizard ...	1014·0	-4	E	3	c	59	85	8	4	6	-	7·8	9+	2500	1	2
	Scilly (St. Mary's)	1013·6	-4	E'S	3	c	59	85	8	8	7	-	7·8	9+	2500	0	2
	Guernsey ..	1015·4	-2	-	0	c	62	85	7	5	7	-	7·8	9+	2500	0	1
6	Pembroke ...	1014·4	-2	E'N	3	Z_o	57	85	6	7	7	-	4·6	9+	2500	0	1
7	Holyhead ...	1016·0	+2	NE	1	F_+	58	92	6	5	3	8	1	2·3	<150	0	1
	Chester(Sealand)	1016·5	+2	ENE	1	F_+	52	97	1	-	3	-	0	7·8	-	1	*
8	Manchester ...	1016·8	+2	ENE	1	f	52	85	2	-	4	-	0	Tr	-	0	*
10	Spurn Head ...	1016·9	0	NW	2	c	55	92	7	5	2	-	7·8	10	1500	0	1
	Catterick ...	1017·5	+4	-	0	Z_o	48	92	6	5	-	-	2·3	2·3	4000	0	*
	Tynemouth ...	1017·5	+4	NNW	2	o	54	85	6	5	-	-	10	10	1500	0	2
11	St. Abbs Head	1017·4	+4	NNE	1	c	51	85	8	5	2	-	7·8	10	2500	0	2
	Leuchars ...	1018·0	+4	E	2	c	52	85	8	5	-	-	10	10	1500	0	*
12	Renfrew (Abbotsl.)	1017·5	+4	-	0	Z_o	48	97	6	5	-	-	2·3	2·3	800	0	*
	Eskdalemuir ...	1017·4	+4	N	2	c	50	97	6	5	-	-	10	10	220	1	*
	Point of Ayre ...	1016·7	0	-	0	b	56	97	8	1	-	5	Tr	1	4000	1	0
13A	Tiree	1016·9	+2	NE'N	2	bc	55	92	8	2	3	1	2·3	4·6	2500	0	2
13B	Stornoway ...	1018·0	+2	NNE	4	c	52	85	8	5	7	-	7·8	9+	2500	1	2
15	Dalwhinnie ...	-	0	-	0	f	45	97	3	-	-	-	0	0	-	0	*
	Aberdeen ...	1018·0	+4	N'W	2	c	51	85	8	5	-	-	9+	9+	2500	1	1
	Wick ...	1017·9	+2	N	1	c	50	75	8	5	2	-	9+	10	1500	1	1
16	Lerwick ...	1017·0	+4	NNW	3	c	52	85	8	5	7	-	7·8	9+	1500	0	*
17	Blacksod Point	1014·9	0	SE	3	c	58	85	8	4	3	-	4·6	7·8	1500	0	3
18	Malin Head ...	1016·5	0	E	2	bc	57	92	8	-	-	1	0	2·3	-	0	1
	Aldergrove ...	1016·5	0	-	0	jf	55	85	8	-	3	2	0	4·6	-	1	*
19	Birr Castle ...	1015·3	+2	S	1	c	56	85	8	5	-	-	7·8	7·8	4000	1	*
20	Valentia Obsy. †	1013·4	+6	E'S	3	c	61	85	8	5	-	-	9+	9+	1500	0	1
	Roches Point	1014·7	+2	SE	3	c/r	58	97	8	6	1	-	7·8	9	1500	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 28th Hrs. (36)
1	London (Kew)	67	54	47	-	-	5·0
	Croydon ...	68	54	50	-	-	4·0
	S. Farnborough	69	51	44	-	-	9·4
	Boscombe Down	69	51	48	-	-	7·8
	Calshot (Sthmtn.)	71	55	51	-	-	7·8
	Lympne ...	66	50	44	-	-	*
	Manston ...	65	54	49	-	-	4·8
2	Shoeburyness ...	66	52	46	-	-	3·0
	Felixstowe ...	66	51	42	-	-	4·7
	Gorleston ...	63	50	49	-	-	3·8
	Mildenhall ...	64	46	41	Tr	Tr	3·9
	Cranwell ...	64	43	38	-	-	2·8
3	Birmingham ...	66	52	43	-	-	3·3
	Upper Heyford	68	51	47	-	-	*
4	Ross-on-Wye	70	49	45	-	-	6·9
5	Bristol ...	70	49	43	-	-	5·9
	Portland Bill ...	66	56	*	-	-	*
	Plymouth ...	64	55	53	-	-	3·0
	The Lizard ...	66	56	*	1	1	*
	Scilly (St. Mary's)	64	57	*	0·6	0·2	0·0
	Guernsey ..	67	(58) 56	-	-	-	5·9
6	Pembroke ...	65	54	*	-	-	7·2
7	Holyhead ...	62	53	41	-	-	10·3
	Chester(Sealand)	69	48	47	-	-	12·5
8	Manchester ...	67	44	40	-	-	2·2
10	Spurn Head ...	61	53	*	-	-	7·9
	Catterick ...	63	42	41	-	-	7·7
	Tynemouth ...	57	53	47	-	-	7·3
11	St. Abbs Head	58	50	*	-	-	*
	Leuchars ...	60	51	44	-	-	8·0
12	Renfrew (Abbotsl.)	70	43	40	-	-	10·8
	Eskdalemuir ...	68	42	39	-	-	2·8
	Point of Ayre ...	64	45	*	-	-	11·7
13A	Tiree	60	49	43	-	-	14·7
13B	Stornoway ...	56	48	*	-	-	1·9
15	Dalwhinnie ...	66	40	35	-	-	10·3
	Aberdeen ...	57	43	37	Tr	-	4·5
	Wick ...	55	49	*	-	-	*
16	Lerwick ...	55	50	*	Tr	-	1·0
17	Blacksod Point	69	53	*	-	-	*
18	Malin Head ...	59	53	*	-	-	8·8
	Aldergrove ...	70	46	42	-	-	12·4
19	Birr Castle ...	71	53	47	-	-	5·4
20	Valentia Obsy. †	65	59	57	Tr	0·1	0·4
	Roches Point	64	58	*	-	7	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (To-day.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cm_o cy	cy	cy	67	54	47	-	-	5·0	*	*	5
Croydon	217	cm z_o bc	cy	cy m c z_o	68	54	50	-	-	4·0	*	*	6
Greenwich (Royal Observatory)...	149	c	cy	c	69	51	41	-	-	1·6	51	65	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2·9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	69	57	51	-	-	2·8	51	65	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	68	54	49	-	-	4·0	58	67	*
Camden Square	110	c	c	*	69	55	47	-	-	*	*	69	*
Kensington	80	bc	c o bc	*	67	54	46	-	-	3·0	At 18h. 60	70	*
Hampstead Observatory	450	cbc	bc	bc	65	53	44	-	-	3·3	*	75	*

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	5-7h. 29th	<0·3	11-13h. 28th

Kew Observatory.	Max.	Time.	Min.	Time.
	0·3	6h. 29th	<0·1	12h. 28th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 28th July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 29th July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1015·1	NNW	2	bc	70	1015·7	NNE	2	bc	57
Brussels	1015·1	NNW	4	bc	63	1015·8	-	0	Z_o	55
Berlin	1010·3	W	3	c	64	1010·6	W	2	id_o	55
Zürich	1012·6	NW	3	bc	70	1013·2	NNW	1	bc	55
Rome	1010·8	W	3	b	79	1008·8	ESE	2	c	75

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
77	52	-	-
86	48	-	-
68	54	-	Tr
73	52	-	-
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 30th July, 1937.

No. 27644.

OBSERVATIONS at 13h. G.M.T. 29th July

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°F Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1016·8	-6	NNE	2	Zo	68	55	6	2	-	-	9	9	2500.
	Croydon ...	1015·7	-6	NE	2	c	67	55	6	1	-	-	7·8	7·8	4000.
	S. Farnborough	1015·3	-10	ENE	1	Zo	68	55	6	7	-	-	7·8	7·8	4000
	Boscombe Down	1015·4	-10	ENE	2	Zo	66	55	6	5	-	-	10	10	4000.
	Calshot (Sthmtn.)	1016·0	-6	ESE	3	bc	68	65	7	7	6	-	4·6	4·6	4000.
	Lympne ...	1016·6	-4	N	3	c	63	55	8	7	-	-	7·8	7·8	2500.
	Manston ...	1016·2	-4	NNE	3	bc	62	65	8	1	7	-	1	4·6	2500.
2	Shoeburyness ...	1016·4	-6	EN	3	c	62	75	8	8	-	-	9+	9+	2500.
	Felixstowe ...	1016·5	-4	N	1	c	61	65	8	7	-	-	9+	9+	2500.
	Gorleston ...	1016·2	0	NW	4	c	59	65	7	8	-	-	9+	9+	2500.
	Mildenhall ...	1016·5	-6	NE	3	c	60	75	7	7	-	-	10	10	2500
	Cranwell ...	1016·5	-10	ENE	1	c	62	75	7	8	-	-	7·8	10	2500.
3	Birmingham ...	1015·5	-6	E	2	c	68	55	7	7	-	-	7·8	7·8	4000
	Upper Heyford	1015·7	-10	E	1	Zo	68	65	6	2	-	-	4·6	4·6	2500.
4	Ross-on-Wye	1015·1	-10	W	1	c	69	65	6	2	2	-	1	3	4000.
5	Bristol ...	1015·4	-10	E	2	Zo	68	65	6	7	7	8	4·6	9	4000
	Portland Bill ...	1015·5	-4	ESE	3	c	64	75	7	5	-	-	10	10	2500.
	Plymouth ...	1014·7	-7	ESE	3	c	66	65	8	-	7	-	0	9+	-
	The Lizard ...	1013·7	0	E	4	bc	67	75	7	7	6	1	4·6	4·6	4000.
	Scilly (St. Mary's)	1012·8	-6	ESE	4	c	64	85	6	5	7	-	7·8	9+	1500.
	Guernsey ...	1014·8	-4	ENE	3	c	64	75	6	8	1	-	7·8	10	2500.
6	Pembroke ...	1014·1	-6	SSE	2	Zo	65	85	6	-	2	-	0	4·6	-
7	Holyhead ...	1015·6	-6	N	3	jf	64	75	7	8	-	-	2·3	2·3	2500.
	Chester (Sealand)	1015·2	-8	NNW	2	Zo	71	55	6	5	-	-	4·6	4·6	4000.
8	Manchester ...	1015·4	-10	-	0	Zo	68	65	5	5	-	-	9	9	5700.
10	Spurn Head ...	1017·4	0	NNE	2	c	60	85	7	5	7	-	4·6	7·8	2500.
	Catterick ...	1016·5	-10	NE	1	Zo	63	65	6	5	-	-	9	9	2500.
	Tynemouth ...	1017·1	-2	NE	3	bc	55	75	8	2	-	2	4·6	4·6	1500.
11	St. Abbs Head	1017·7	+2	NNE	1	c	54	75	7	5	2	-	7·8	10	1500.
	Leuchars ...	1018·1	-2	E	2	c	56	75	8	5	-	-	10	10	1500.
12	Boulmer (Abbots I.)	1016·6	-6	E	1	Zo	64	65	6	1	-	-	2·3	2·3	4000.
	Eskdalemuir ...	1016·4	-6	ENE	2	c	61	75	7	5	-	-	10	10	1500.
	Point of Ayre ...	1016·8	0	E'S	1	b	63	85	8	1	-	-	1	1	4000
13A	Tiree	1016·5	0	NE	2	bc	59	85	8	2	4	2	1	2·3	4000.
13B	Stornoway ...	1017·9	-6	ESE	3	c	56	75	8	6	7	-	7·8	7·8	4000
15	Dalwhinnie ...	1017·4	-12	-	0	b	65	65	8	-	4	-	0	1	-
	Aberdeen ...	1017·8	-2	NW	2	c	56	75	9	5	-	-	9+	9+	2500.
	Wick ...	1018·5	+4	N	1	c	54	75	8	5	2	-	9	10	1500.
16	Lerwick ...	1017·2	0	N	2	c	54	85	8	5	7	-	7·8	10	1500.
17	Blacksod Point	1014·8	-2	SW	2	bc	68	65	8	1	5	-	1	4·6	2500.
18	Malin Head ...	1015·9	-2	E	2	bc	59	97	8	7	-	2	2·3	4·6	2500.
	Aldergrove ...	1015·6	-6	ESE	2	bc	70	65	7	1	-	1	4·6	4·6	2500.
19	Birr Castle ...	1014·4	-6	SSE	1	c	72	55	8	8	7	-	4·6	7·8	4000.
20	Valentia Obsy. †	1014·8	+2	E'S	3	c	64	85	8	5	-	-	9+	9+	1500.
	Roches Point	1014·9	0	ESE	3	bc	64	85	8	2	4	3	2·3	4·6	2500.

OBSERVATIONS at 18h. G.M.T. 29th July

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°F Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1015·0	-2	NE'E	3	bc	67	55	7	1	-	4	Tr	4·6	4000	0	*
	Croydon ...	1014·9	-2	ENE	2	c	66	65	6	1	-	6	Tr	7·8	5700	0	*
	S. Farnborough	1014·5	-2	ENE	2	Zo	68	55	6	7	-	-	7·8	7·8	5700	0	*
	Boscombe Down	1014·3	+2	S'W	3	c	62	75	7	5	1	-	9+	10	5700	0	*
	Calshot (Sthmtn.)	1015·2	-4	SE'E	2	c	63	75	7	-	7	-	0	9+	-	0	2
	Lympne ...	1016·0	-2	SE	3	bc	60	65	8	-	-	4	0	2·3	-	0	§ 2
	Manston ...	1015·7	-2	NE	3	bc	60	65	8	1	-	8	Tr	2·3	2500	0	*
2	Shoeburyness ...	1016·0	0	E	3	bc	60	75	8	1	-	4	2·3	4·6	2500	0	*
	Felixstowe ...	1015·9	-2	N	3	bc	61	65	8	5	3	-	2·3	4·6	2500	0	1
	Gorleston ...	1016·1	-2	N	2	c	59	65	7	5	-	-	9+	9+	2500	0	2
	Mildenhall ...	1016·1	-2	ENE	2	bc	61	75	8	5	-	1	4·6	4·6	4000	0	*
	Cranwell ...	1016·2	-2	ESE	2	c	61	85	8	8	-	-	7·8	7·8	2500	0	*
3	Birmingham ...	1015·0	-4	E	2	bc	67	55	6	7	-	-	2·3	2·3	4000	1	*
	Upper Heyford	1015·2	-2	ENE	1	Zo	66	65	6	-	-	9	0	2·3	-	0	*
4	Ross-on-Wye	1014·2	-6	WSW	1	c	68	65	6	-	2	-	0	9+	-	0	*
5	Bristol ...	1014·4	-4	SSE	1	Zo	67	75	6	7	-	-	7·8	7·8	4000	0	*
	Portland Bill ...	1014·2	-6	ESE	2	c	61	75	7	4	4	-	4·6	9	2500	0	2
	Plymouth ...	1014·1	-4	ESE	2	c	65	65	8	-	7	-	0	9	-	0	1
	The Lizard ...	1013·0	0	E	4	c	63	75	7	7	3	-	4·6	7·8	4000	0	3
	Scilly (St. Mary's)	1012·3	-4	ESE	5	c	63	85	6	5	4	3	4·6	7·8	2500	0	2
	Guernsey ...	1013·9	-5	ENE	2	c	62	85	7	8	-	-	9+	9+	2500	1	1
6	Pembroke ...	1013·4	-4	-	0	c	65	75	7	5	-	-	9+	9+	2500	0	1
7	Holyhead ...	1015·1	-2	NE'N	2	b	63	85	8	5	-	-	Tr	Tr	5700	0	1
	Chester (Sealand)	1014·9	0	W'N	3	Zo	64	75	6	5	-	-	9+	9+	5700	0	*
8	Manchester ...	1015·0	-2	ESE	2	m/f	66	75	4	5	-	-	10	10	4000	0	*
10	Spurn Head ...	1016·8	-2	NNE	2	bc	58	85	8	-	4	5	0	4·6	-	0	2
	Catterick ...	1016·6	+2	NNE	2	Zo	57	75	6	5	-	-	4·6	4·6	1500.	0	*
	Tynemouth ...	1017·0	0	NE	2	bc	55	85	8	2	-	-	4·6	4·6	2500	0	2
11	St. Abbs Head	1017·3	-6	NE	2	bc	53	85	7	1	3	-	2·3	4·6	2500	0	1
	Leuchars ...	1017·4	-2	E	2	c	56	75	8	5	-	-	9	9	2500	0	*
12	Boulmer (Abbots I.)	1015·7	-4	ENE	2	Zo	65	75	6	-	-	-	0	0	-	0	*
	Eskdalemuir ...	1015·7	-4	ENE	3	c	61	75	7	5	-	-	7·8	7·8	2500	0	*
	Point of Ayre ...	1015·8	-6	N'E	1	b	64	65	8	-	-	-	0	0	-	0	0
13A	Tiree	1015·7	-4	NW	1	b	61	85	9	1	-	6	Tr	Tr	4000	0	1
13B	Stornoway ...	1016·3	-6	NNE	4	b	56	75	8	5	-	-	1	4000	0	2
15	Dalwhinnie ...	.	-2	E	2	b	66	55	8	-	4	-	0	1	-	0	*
	Aberdeen ...	1017·8	-2	ENE	3	c	55	85	8	5	-	-	9	9	2500	0	1
	Wick ...	1017·6	-10	N	1	bc	53	85	8	5	-	-	4·6	4·6	1500	1	1
16	Lerwick ...	1016·8	-4	NNE	2	c	53	85	8	6	2	-	7·8	10	1500	0	*
17	Blacksod Point	1014·3	+4	NW	2	bc	64	75	8	1	3	-	1	2·3	2500	0	2
18	Malin Head ...	1014·7	-8	E	2	b	59	97	6	-	-	-	0	0	-	0	1
	Aldergrove ...	1015·3	-2	E'S	2	b	67	65	8	-	-	1	0	Tr	-	1	*
19	Birr Castle ...	1013·9	-4	SSE	1	c	71	55	8	8	7	-	2·3	7·8	4000	0	*
20	Valentia Obsy. †	1013·6	+2	SSW	3	bc	65	75	8	5	-	-	4·6	4·6	4000	0	1
	Roches Point	1014·8	-4	ESE	3	bc	63	85	8	1	4	5	1	4·6	4000	1	3

PAST 24 HOURS.

Weather. 7h.—13h. 29th (37)	13h.—18h. 29th (38)	18h. 29th to 1h. 30th (39)	1h.—7h. 30th (40)
cm,cz	cz,bcy	bc	cm.
cm,zy	cz,ybcz	bcz,bw	bc wcm.
cz,bcz,g	cc,bc zy	ybc m w	bm,wfm
cm,cz	cz.c	cbc	bmbm.
cm,cbc	bcc.	cbc	bcm.
cbcy	bcy	bcc	c ⊕, o
bccby c	bc.	bcc	cd,d,mc
c	cbc.	bcc	m,id,c
c	cbc.	bcc	c id.
c	c.	coid.	oid.
cm,c.	c	bcbw	b,om,d,d
c.	cbcc.	cbc	bcc
fbcc.	cbc.	bc	bcc
cm,bcz.	bcyz.	bcbm.	bcbcm.
cm,bcm.	cm.	cm	cm.
cwm,z.	cz,bcc.	cz,bcm	bcm,fw
c	c.	c	cbc
c	c.	cbc	bc
cbc	bcc.	cbc	bc
c	cbc.	cbcb	bbc
cirrc	cirrc.	cbc	bcc
cz,bc	bcz,c	z,bc	bz,bc
bm,fbc	bc,b.	bbc	bcbw
febbcz,y	bccz,y	cz.	cz,bmw
bfcz	cz,fz	cz cm	cm
c	cbc.	bcc	c
bm,cz,b.	bz,cz.	bc	com,om.
pbc.	bc.	co	o
c	cbc.	c	c
c	cbcc.	c	c
fbc.	bc.	bc	bbc z.
cv	cvc.	c	c
c	cbc.	bco	cbc
c	c.	c	c
bc.	bc.	bc	b
bc.	bcz,b.	bc	bc
jf by bc	bcb.	b, w	bw, jfb
cy	cy.	cbc	bcb
c	cbc.	bc bw	bwb
cbc.	bc.	bc bw	bw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus
R, heavy rain. r_{oo}, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⸗ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

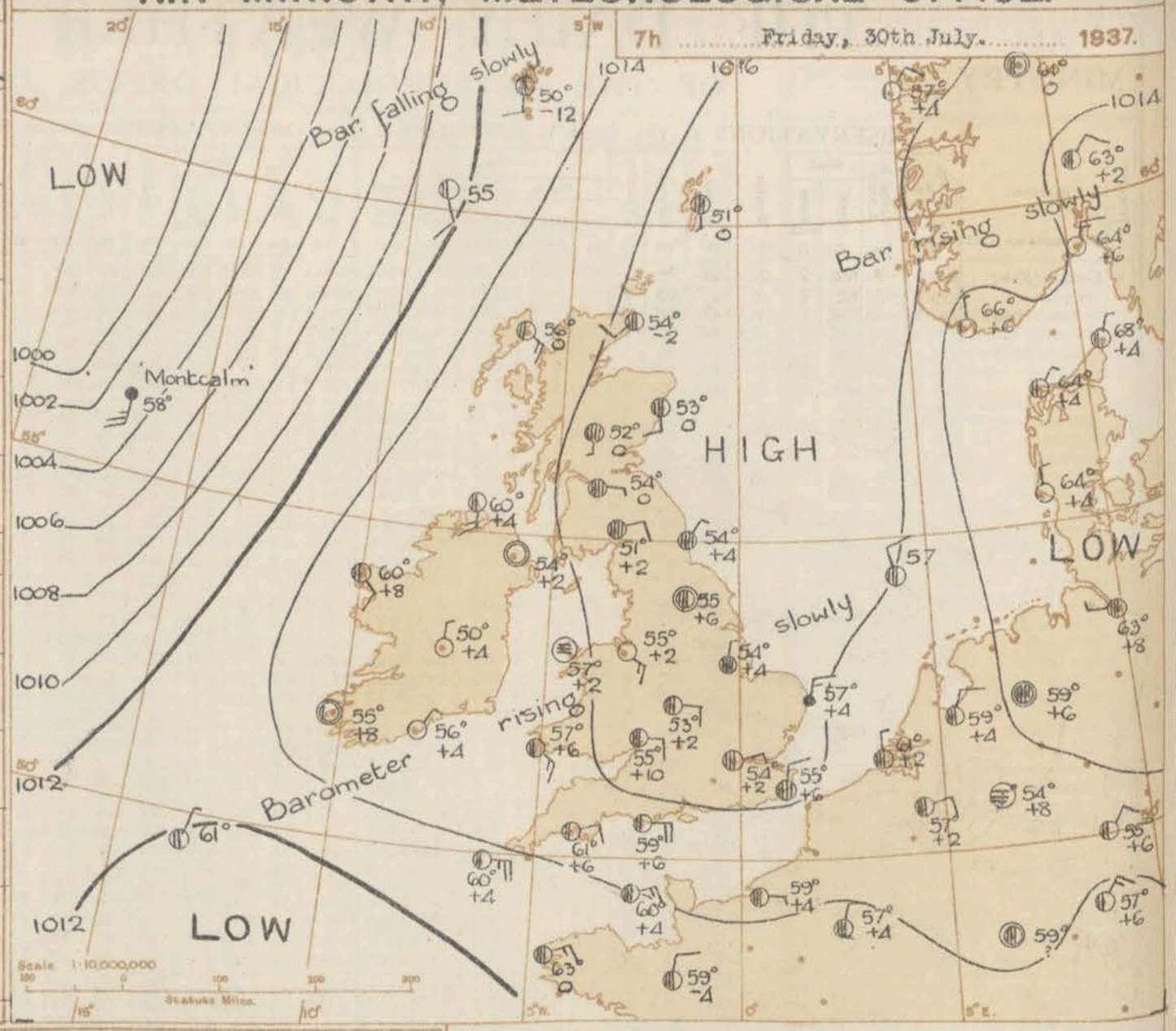
REPORTS from HEALTH RESORTS for 29th July 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 28th to 9h. 29th	Temperature (°F.) Max. 9h.—17h. 29th	Rainfall (mm.) Night. 17h. 28th to 9h. 29th	Rainfall (mm.) Day. 9h.—17h. 29th	Sunshine (Hrs.) Sunrise to 17h. 29th	Sunshine (Hrs.) Sunrise to Sunset. 28th
1	Tunbridge W.	c	bc	50	68	-	-	4.4	5.1
	Bournemouth	ocbc	bbco	52	70	-	-	3.2	7.5
	Ventnor ...	ocb	bo	57	72	-	-	5.2	11.4
	Southsea ...	b	bbc	56	68	-	-	4.8	8.2
	Bognor Regis	cbcbc	bcbcc	57	66	-	-	4.3	6.2
	Littlehampton	cbcz	bcz	57	66	-	-	5.7	8.1
	Worthing ...	bcc	bcbbc	58	68	-	-	5.8	6.7
	Brighton ...	cbc	bccbc	55	66	-	-	3.0	3.7
	Eastbourne† ...	oco	ocb	55	65	-	-	4.7	6.7
	Hastings† ...	ocbcc	bcbc	52	64	-	-	4.8	6.5
	Folkestone ...	oc	cbcb	52	67	-	-	5.1	4.8
	Dover ...	ycbc	bcb	55	67	-	-	6.5	4.0
	Deal	ocbc	b	54	68	-	-	8.0	5.3
	Ramsgate ...	bc	bcb	56	63	-	-	8.3	5.2
	Margate ...	bc	bc	56	62	-	-	8.5	5.0
2	Southend ...	oc	cbcb	54	66	-	-	5.6	3.0
	Maldon ...	ocbc	bcc	52	66	-	-	5.1	2.7
	Clacton-on-Sea	c	cbc	52	63	-	-	3.8	4.6
	Dovercourt ...	bcc	bcv	52	65	-	-	2.6	4.6
	Lowestoft ...	c	c	48	61	-	-	0.2	4.5
	Skegness ...	oc	bcb	49	60	-	-	3.3	6.6
	Mablethorpe...	com.	bbcbc	46	60	-	-	4.9	10.0
	Cleethorpes ...	cbc	bc	49	62	-	-	2.2	5.7
3	Leamington S.	bcb	bc	50	71	-	-	7.8	4.8
4	Cheltenham†	cwyc	cbc	53	73	-	-	3.0	3.8
5	Bath	cbc	cbcc	49	71	-	-	1.6	7.5
	Weymouth ...	c	c	55	67	-	-	1.6	9.0
	Jersey ...	obc	bcc	60	70	-	-	1.3	3.7
	Torquay ...	cz	oc	55	64	-	-	0.0	8.7
	Penzance ...	ccbcc	bccbc	57	68	.4	-	4.2	3.8
	St. Ives ...	c	b	54	69	2	-	5.9	2.3
	Bude... ...	cbc	bcz	49	69	-	-	3.5	4.4
	Ilfracombe ...	cbcc	cbccg	54	70	-	-	5.5	10.7
6	Aberystwyth	cbc	bcc	52	68	-	-	2.6	8.8
7	Llandudno ...	b	bz.	52	69	-	-	10.8	12.1
	Colwyn Bay...	bcbcb	bcbcb	51	66	-	-	10.2	12.3
	Rhyl	b	bbcc	53	70	-	-	9.8	12.2
8	Wallasey ...	b	bbcc	52	68	-	-	11.0	8.7
	Southport ...	bzb	bbcc	48	70	-	-	11.0	8.6
	Blackpool ...	b	bbc	48	67	-	-	11.3	9.1
	Morecambe ...	b	bbzbc	51	70	-	-	12.1	9.6
9	Ilkley... ...	mbb	bcb	44	69	-	-	7.7	2.1
	Harrogate ...	cbc	bcb	44	66	-	-	6.4	3.0
10	Berwick-on-T.	oco	ocbcb	51	59	-	-	2.0	5.5
11	Dunbar ...	bc	bc	50	57	-	-	2.6	5.9
12	Troon... ...	bbzbb	bbcbb	47	68	-	-	11.5	14.0
	Douglas ...	bc	bcz	48	69	-	-	11.3	13.1

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Friday, 30th July. ..... 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~ Rough ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th July, 1937.
1 S.E. England 2 E. England ...	Light variable winds; cloudy, bright periods later; average temperature.
3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light southeast or south winds; fair; average temperature.
10 N.E. England 11 S.E. Scotland	Light variable winds; fair; rather cool.
12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B.N.W.Scotland.} 14 Mid Scotland	Moderate or fresh south winds, increasing cloud; occasional rain later; average temperature.
15 N. E. Scotland 16 Orkney and Shetland	Light south winds; fair; average temperature.
17 N. W. Ireland 18 N. E. Ireland	Moderate south winds; cloud increasing; slight rain later; average temperature.
19 S. E. Ireland 20 S. W. Ireland	Light variable winds; fair; average temperature.

GENERAL INFERENCE

A feeble ridge of high pressure extends southwards over the British Isles and a depression west of Scotland is moving northeast. Weather will be fair in most districts but occasional rain will occur in the extreme northwest. Temperature will be mainly average.

FURTHER OUTLOOK.

Unsettled in the northwest; mainly fair elsewhere.

Forecasts issued at 0940 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

H.M. Stationery Office/Press Company, E.C.2

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
FRIDAY, 30TH JULY.
1937.

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

Clarke's Projection Scale 1: 4X10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 800

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—◎

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○Clear sky. ◔Sky less than 2/10 clouded. ◑Sky 4/10 to 6/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✱Snow. ⁂Sleet. △Hail ≡Fog. ≡Mist. ϟThunder. ϟϟThunderstorm. ∞Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

* Tropical disturbance moving N.E.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 30th July, 1937.
No. 27644.

OBSERVATIONS at 1 hr. G.M.T. 30th July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form. Low (9)	Cloud Form. Med. (10)	Cloud Form. High (11)	Cloud Amount. Low 0–10 (12)	Cloud Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1016.1	+2	-	0	bc	51	92	7	-	-	1	0	2-3	-
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1016.2	-2	N'E	2	c	51	85	7	5	-	6	Tr	3	2500
	Manston ...	142	1016.1	+2	-	0	c	53	85	7	5	-	-	3+	3+	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1016.3	0	NW'W	1	id$_o$	56	85	7	6	-	-	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1014.7	-2	ESE	3	c	60	85	7	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1013.2	-2	E'N	4	bc	58	92	8	7	6	-	4.6	4.6	4000
	Scilly (St. Mary's)	163	1012.8	-2	E	4	b	57	92	7	-	-	-	0	0	-
	Guernsey ..	175	1014.1	0	E	2	bc	55	85	7	8	-	-	4.6	4.6	2500
6	Pembroke ...	142	1013.6	0	ENE	2	bc	57	85	7	5	-	-	4.6	4.6	2500
7	Holyhead ...	26	1015.3	-2	ENE	1	bc	58	78	7	-	-	5	0	2-3	-
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1016.5	0	NW	2	c	56	87	7	5	2	-	7-8	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1017.2	-4	N	1	0	54	85	6	5	-	-	10	10	1500
11	St. Abbs Head	280	1017.3	-4	S	1	c	51	85	8	5	2	-	7-8	10	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1015.7	0	E	1	b	57	87	8	-	-	-	0	0	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1015.6	-4	-	0	b	50	87	8	5	-	-	Tr	Tr	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1017.2	-6	SE	1	0	51	85	8	5	-	-	10	10	1500
16	Lerwick ...	156	1017.4	0	NNE	1	c	51	82	8	5	2	-	7-8	10	1500
17	Blacksod Point	18	1013.8	-6	-	0	b	58	85	8	-	-	-	0	0	-
18	Malin Head ...	84	1014.4	0	S	3	b	59	82	7	-	-	-	0	0	-
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ..	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1014.2	-2	S	1	b	57	87	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 30th July

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form. Low (23)	Cloud Form. Med. (24)	Cloud Form. High (25)	Cloud Amount. Low 0–10 (26)	Cloud Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1016.2	+8	NNE	2	Z_o	56	75	6	5	-	-	3+	3+	2500	0	*
	Croydon ...	1016.1	+2	E'N	1	Z_o	54	85	6	5	-	-	3+	3+	5700	0	*
	S. Farnborough	1016.2	+8	E'N	2	c	52	85	6	5	-	-	3+	3+	1500	0	*
	Boscombe Down	1016.1	+6	NE'E	2	Z_o	52	87	5	-	2	-	0	1	-	0	*
	Calshot (Sthmtn.)	1016.0	+6	NE'E	2	Z_o	57	85	6	-	-	5	0	2-3	-	0	2
	Lympne ...	1016.3	+6	N'E	2	0	55	92	7	5	-	-	10	10	2600	0	2
	Manston ...	1015.6	+4	SSE	2	c	58	85	7	5	-	-	10	10	1500	1	*
2	Shoeburyness ...	1016.4	+4	N'E	2	id$_o$	55	92	6	6	2	-	3+	10	1500	1	*
	Felixstowe ...	1016.6	+2	N'W	1	id$_o$	56	87	6	5	-	-	10	10	1500	1	1
	Gorleston ...	1016.0	+4	N'E	3	ir$_o$	57	92	6	6	-	-	10	10	1500	1	2
	Mildenhall ...	1016.7	+4	N'E	1	id	54	87	6	5	-	-	10	10	800	1	*
	Cranwell ...	1017.3	+6	N'E	1	c	54	85	7	5	-	-	10	10	2500	0	*
3	Birmingham ...	1017.2	+2	E	2	c	53	85	6	5	-	-	10	10	1500	1	*
	Upper Heyford	1017.0	0	ENE	2	Z_o	53	85	6	5	3	-	2-3	3	1500	0	*
4	Ross-on-Wye	1016.5	+10	E	2	c	55	85	6	-	1	-	0	3+	-	0	*
5	Bristol ...	1016.7	+10	ENE	1	Z_o	53	85	5	7	-	-	4.6	4.6	4000	0	*
	Portland Bill ...	1015.0	+6	E	4	bc	59	92	7	4	-	-	4.6	4.6	2500	0	3
	Plymouth ...	1014.7	+6	ENE	2	bc	61	85	7	1	3	-	Tr	4.6	2500	0	1
	The Lizard ...	1013.7	+8	E	4	bc	60	85	8	7	7	-	4.6	4.6	4000	0	3
	Scilly (St. Mary's)	1013.1	+4	E	5	bc	60	85	7	-	4	4	0	2-3	-	0	3
	Guernsey ..	1014.0	+4	ENE	3	c	60	85	7	5	1	8	2-3	10	4000	0	2
6	Pembroke ...	1014.2	+6	SE'E	3	Z_o	57	87	5	5	-	-	4.6	4.6	2500	0	1
7	Holyhead ...	1015.1	+2	-	0	ir$_o$	57	87	3	-	-	-	0	0	-	0	0
	Chester(Sealand)	1016.1	+2	SE'E	3	Z_o	55	85	6	-	-	-	0	0	-	0	*
8	Manchester ...	1016.7	+2	ESE	1	m	54	85	4	5	-	-	7-8	7-8	4000	0	*
10	Spurn Head ...	1017.5	+2	NE	1	c	57	85	8	8	-	-	3+	3+	450	0	1
	Catterick ...	1017.3	+6	-	0	Z_o	55	75	6	5	2	-	3+	10	1500	0	*
	Tynemouth ...	1017.3	+4	NE	1	o	54	85	6	-	2	-	10	10	1500	0	1
11	St. Abbs Head	1017.1	0	SSW	2	c	53	86	7	5	2	-	7-8	10	1500	0	1
	Leuchars ...	1017.2	+2	S	1	c	54	85	8	5	-	-	10	10	1500	0	*
12	Renfrew (Abbotsl.)	1016.7	0	E	1	Z_o	54	85	5	5	-	-	10	10	1500	0	*
	Eskdalemuir ...	1016.7	+2	ENE	2	o	51	92	6	5	-	-	10	10	450	1	*
	Point of Ayre ...	1015.8	+2	SE'S	2	Z_o	58	87	6	5	-	-	3+	3+	450	1	1
13A	Tiree	1014.6	+2	SSE	4	bc	58	85	6	-	2	6	0	2-3	-	0	2
13B	Stornoway ...	1014.6	0	SE	3	bc	56	92	5	5	7	-	Tr	2-3	4000	1	1
15	Dalwhinnie ...	1017.0	0	S	1	c	52	92	5	4	-	-	10	10	800	0	*
	Aberdeen ...	1016.9	0	S	2	c	53	85	7	5	-	-	3+	3+	2500	0	1
	Wick ...	1016.0	-2	SW	2	bc	54	85	8	5	7	-	2-3	4-6	1500	1	1
16	Lerwick ...	1017.0	0	S	1	c	51	92	8	5	2	-	7-8	10	800	0	*
17	Blacksod Point	1014.1	+8	SE	2	bc	60	65	8	-	-	4	0	2-3	-	0	2
18	Malin Head ...	1014.3	+4	S'E	3	bc	60	92	7	-	-	4	0	2-3	-	0	1
	Aldergrove ...	1015.7	-2	-	0	b	54	85	7	-	-	1	0	Tr	-	1	*
19	Birr Castle ..	1015.0	+4	N	1	b	50	87	8	-	-	-	0	0	-	0	*
20	Valentia Obsy. †	1014.7	+8	-	0	b	55	92	7	7	-	1	1	1	4000	0	0
	Roches Point	1015.0	+4	NE	1	b	56	92	7	-	-	-	0	0	-	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h gpm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine Hrs. (36)
1	London (Kew)	70	51	43	-	-	6.4
	Croydon ...	69	48	43	-	-	4.8
	S. Farnborough	71	43	37	-	-	3.7
	Boscombe Down	69	49	45	-	-	1.2
	Calshot (Sthmtn.)	68	55	53	-	-	2.3
	Lympne ...	64	47	46	-	-	7.1
	Manston ...	63	52	47	-	Tr	5.5
2	Shoeburyness ...	65	48	42	-	Tr	6.5
	Felixstowe ...	63	49	45	-	0.1	3.7
	Gorleston ...	610	54	53	-	Tr	0.3
	Mildenhall ...	61	49	44	-	0.1	2.1
	Cranwell ...	64	51	49	-	-	2.5
3	Birmingham ...	69	51	47	-	-	3.4
	Upper Heyford	70	47	35	-	-	*
4	Ross-on-Wye	71	52	50	-	-	2.6
5	Bristol ...	71	47	42	-	-	1.1
	Portland Bill ...	64	58	*	-	-	*
	Plymouth ...	67	56	53	-	-	0.0
	The Lizard ...	67	58	*	-	-	*
	Scilly (St. Mary's)	67	57	*	04	-	0.3
	Guernsey ..	65	58	56	1	-	0.5
6	Pembroke ...	67	53	*	-	-	3.8
7	Holyhead ...	66	56	45	-	Tr	13.5
	Chester(Sealand)	72	51	48	-	-	8.4
8	Manchester ...	70	51	48	-	-	4.1
10	Spurn Head ...	62	55	*	-	-	6.7
	Catterick ...	64	52	52	-	-	3.4
	Tynemouth ...	57	54	50	-	-	7.5
11	St. Abbs Head	57	50	*	-	-	*
	Leuchars ...	58	53	52	-	-	0.3
12	Renfrew (Abbotsl.)	67	50	46	-	-	10.4
	Eskdalemuir ...	65	48	43	-	-	1.6
	Point of Ayre ...	66	48	*	-	-	14.0
13A	Tiree	64	49	40	-	-	14.5
13B	Stornoway ...	58	49	*	-	-	7.7
15	Dalwhinnie ...	68	43	35	-	-	10.3
	Aberdeen ...	56	52	51	-	-	0.4
	Wick ...	55	51	*	-	-	*
16	Lerwick ...	55	50	*	-	-	6.1
17	Blacksod Point	58	53	*	-	-	*
18	Malin Head ...	62	53	*	-	-	13.7
	Aldergrove ...	71	46	41	-	-	14.7
19	Birr Castle ..	74	48	40	-	-	11.3
20	Valentia Obsy. †	71	50	45	-	Tr	1.3
	Roches Point	64	54	*	-	Tr	*

LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h. Kensington.
9h—21h. other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cm,cz	cz,bcy	bcm	70	51	43	-	-	6.4	*	*	6
Croydon	217	cm,z$_o$,y	cz$_o$,ybcz	bcz,wcm	69	48	43	-	-	4.8	*	*	6
Greenwich (Royal Observatory)...	149	c	cbcy	bc	69	49	35	-	-	4.5	56	79	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	7.5	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	70	53	47	—		6.0	55	70	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	71	50	45	-	-	6.5	57	72	*
Camden Square	110	c	cbc	*	72	51	42	-	-	*	*	70	*
Kensington	80	bc	co	*	70	51	42	-	-	7.3	At 18h. 54	75	*
Hampstead Observatory	450	bc	bc	c	67	55	47	-	-	6.9	*	68	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0.3	7-9h 29th	<0.3	13-17h 29th

Kew Observatory. Max.	Time.	Min.	Time.
0.4	8h 29th	<0.1	16h 29th

FOREIGN OBSERVATIONS.

Stations.	18h G.M.T. 29th July. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 30th July. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.
Paris	1013.4	N	2	bc	68	1013.5	NNE	1	c	57
Brussels	1014.3	NNE	2	c	63	1015.1	ENE	2	f	57
Berlin	1010.7	W	3	o	63	1011.1	WNW	2	f,pr	61
Zürich	1011.0	NNE	2	bc	73	1012.2	NW	1	bc	59
Rome	1009.4	S	2	bc	75					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
72	54	-	-
66	50	-	-
64	59	Tr	6
77	54	-	-
*	*	-	

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 8, 22.—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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 4 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 31st July, 1937.

No. 27645.

District	Stations (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 30th July: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1016.5	-4	ENE	3	z	63	78	6	5	-	-	9+	9+	2500.
	Croydon ...	1016.6	-2	NE	2	c	62	75	6	7	-	-	9+	9+	4000.
	S. Farnborough	1016.0	-4	E'N	3	c	66	55	7	1	-	-	7-8	7-8	4000.
	Boscombe Down	1016.1	-6	NE'E	2	bc	64	65	7	1	-	-	2-3	2-3	2500.
	Calshot (Sthmtn.)	1015.7	-2	SE'E	4	bc	66	65	7	7	8	-	7-8	9+	4000.
	Lympne ...	1016.4	-2	NE'N	2	c	63	75	8	5	3	-	7-8	9+	2500.
	Manston ...	1016.2	0	NE	4	bc	62	85	9	7	-	-	4-6	4-6	1500.
2	Shoeburyness ...	1016.8	-4	ENE	3	bc	66	75	8	2	7	-	4-6	4-6	2500.
	Felixstowe ...	1017.2	0	NE'N	3	d.d.	60	97	5	5	2	-	9+	10	800.
	Gorleston ...	1017.8	+4	N	3	c	60	85	7	5	-	-	9+	9+	2500.
	Mildenhall ...	1017.1	-2	NE'N	2	c	63	85	8	5	-	-	9+	9+	2500.
	Cranwell ...	1017.7	-2	-	0	c	59	75	9	8	-	-	9	10	2500.
3	Birmingham ...	1016.9	-4	E	2	b	62	55	8	1	-	-	Tr	Tr	4000
	Upper Heyford	1017.2	-6	NE	1	z	60	75	6	5	-	-	10	10	1500.
4	Ross-on-Wye	1016.2	-4	ENE	3	z	62	75	6	1	-	-	4-6	4-6	2500
5	Bristol ...	1016.3	-8	NE'E	3	bc	64	65	7	5	-	-	4-6	4-6	2500
	Portland Bill ...	1015.2	-2	ESE	4	bc	63	75	7	4	-	-	2-3	2-3	2500.
	Plymouth ...	1014.6	-2	SE'E	2	b	68	65	8	-	-	-	0	0	-
	The Lizard ...	1014.4	+8	E'N	4	bc	65	75	7	7	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	1014.5	+6	E'S	5	b	69	65	7	-	-	-	0	0	-
	Guernsey ...	1013.7	0	NE'E	4	bc	64	85	6	-	3	1	0	2-3	-
6	Pembroke ...	1014.4	0	SE'S	3	bc	64	75	6	5	-	-	4-6	4-6	4000.
7	Holyhead ...	1016.1	+2	NW	2	b	64	75	5	-	-	-	0.	0	-
	Chester (Sealand)	1016.2	-2	ESE	3	z	69	65	6	1	-	-	2-3	2-3	2500.
8	Manchester ...	1016.6	-4	NE	1	z	68	65	5	1	3	-	2-3	2-3	4000.
10	Spurn Head ...	1017.9	+4	NE'E	2	c	62	85	8	7	6	-	7-8	9	1500.
	Catterick ...	1017.2	-6	SSW	1	z	65	65	6	5	-	-	4-6	4-6	2500.
	Tynemouth ...	1017.8	0	ESE	2	bc	58	85	8	5	-	-	2-3	2-3	2500.
11	St. Abbs Head	1017.1	0	SE	3	bc	59	75	7	1	4	-	2-3	2-3	4000.
	Leuchars ...	1017.5	-4	NW	1	c	61	75	7	5	-	-	9	9	2500
12	Renfrew (Abbotsl.)	1016.7	-6	E	1	z	64	75	5	-	-	-	0	0	-
	Eskdalemuir ...	1016.4	-4	SE	1	bc	64	75	7	8	-	-	2-3	2-3	4000.
	Point of Ayre ...	1016.7	+2	SE'E	2	z	67	75	6	5	-	-	4-6	4-6	450.
13a	Tiree	1015.3	0	S	4	bc	66	75	6	-	-	2	0	2-3	-
13n	Stornoway	1014.2	-4	SSE	5	bc	65	75	7	5	7	6	Tr	4-6	4000
15	Dalwhinnie ...	1016.3	-4	W	3	b	68	65	8	-	4	-	0	!	-
	Aberdeen ...	1016.8	-4	SSE	3	b	60	75	7	8	-	-	Tr	Tr	2500.
	Wick ...	1016.2	+2	S	3	bc	56	85	8	5	7	-	4-6	4-6	1500.
16	Lerwick ...	1017.2	-2	S	3	c/d	52	97	7	5	2	-	9	10	450.
17	Blacksod Point	1014.6	+4	S	3	bc	67	65	7	2	4	7	1	4-6	2500.
18	Malin Head ...	1015.0	+2	E'N	1	b	65	92	7	1	-	-	1	1	2500.
	Aldergrove ...	1015.8	-6	-	0	bc	73	65	6	1	-	2	1	2-3	4000.
19	Birr Castle ...	1014.5	-4	S	1	bc	74	55	8	1	-	-	4-6	4-6	4000
20	Valentia Obsy. †	1015.0	+2	S	4	bc	72	65	7	1	-	-	2-3	2-3	4000.
	Roches Point	1015.7	+6	E	2	b	68	85	8	-	-	-	0	0	-

District	Stations	OBSERVATIONS at 18h. G.M.T. 30th July: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1016.5	0	E'N	3	c	64	75	7	8	-	-	10	10	1500	0	*
	Croydon ...	1016.5	0	ENE	3	c	63	85	6	7	-	-	7-8	9+	2500	0	*
	S. Farnborough	1015.8	0	NE'E	2	c	66	65	6	7	-	-	9	9	2500	0	*
	Boscombe Down	1015.2	0	NE'E	3	z	68	65	7	1	-	-	2-3	2-3	5700	0	*
	Calshot (Sthmtn.)	1015.6	-4	NE'E	4	b	67	65	7	7	-	-	Tr	Tr	4000	0	2
	Lympne ...	1016.4	+6	NE'N	3	bc	63	75	9	7	4	-	4-6	4-6	2500	0	5 6
	Manston ...	1016.1	+2	NE'E	4	c	61	85	8	7	-	-	7-8	7-8	800	1	*
2	Shoeburyness ...	1017.0	+4	NE	4	pr.	61	85	8	8	-	-	9+	9+	1500	0	*
	Felixstowe ...	1016.9	+4	NE'N	3	c	60	85	8	8	-	*	10	10	1500	1	1
	Gorleston ...	1017.4	0	NE'N	3	bc	60	75	7	1	-	-	2-3	2-3	2500	0	2
	Mildenhall ...	1016.8	-2	E'N	2	c	64	75	8	4	8	-	2-3	9+	4000	1	*
	Cranwell ...	1017.2	-2	E	1	c	61	75	8	8	-	-	10	10	2500	0	*
3	Birmingham ...	1016.8	0	SE	3	b	63	65	7	1	-	-	Tr	Tr	4000	0	*
4	Upper Heyford	1016.8	-2	NNE	1	bc	64	75	7	7	-	-	2-3	2-3	4000	0	*
	Ross-on-Wye	1015.9	0	ENE	3	b	63	65	7	-	-	-	0	0	-	0	*
5	Bristol ...	1015.6	-4	NE	3	b	66	65	7	5	-	-	Tr	Tr	2500	0	*
	Portland Bill ...	1015.2	-2	ESE	4	b	62	85	7	-	-	-	0	0	-	0	3
	Plymouth ...	1014.6	-2	E'N	3	b	66	65	8	-	-	-	0	0	-	0	1
	The Lizard ...	1014.1	0	ENE	3	bc	63	75	7	7	-	-	2-3	2-3	4000	0	1
	Scilly (St. Mary's)	1014.4	0	E'S	4	b	65	75	7	-	-	-	0	0	-	0	2
	Guernsey ...	1013.7	0	NNE	4	bc	62	85	7	-	1	-	0	2-3	-	0	3
6	Pembroke ...	1015.1	0	SE'S	1	z	61	86	6	7	7	-	4-6	9+	4000	0	1
7	Holyhead ...	1015.3	-4	N	2	b	63	85	6	-	-	-	0	0	-	0	1
	Chester (Sealand)	1015.5	-4	SSE	1	z	69	65	6	-	-	-	0	0	-	0	*
8	Manchester ...	1015.6	-2	NE'E	1	z	69	55	5	5	-	-	4-6	4-6	5700	0	*
10	Spurn Head ...	1017.8	0	NE'E	2	c	58	85	8	5	-	-	9+	9+	1500	0	1
	Catterick ...	1016.2	+4	SSE	2	b	67	65	8	-	-	-	0	0	-	0	*
	Tynemouth ...	1016.9	-6	SE	2	bc	57	85	8	5	-	-	4-6	4-6	1500	0	1
11	St. Abbs Head	1015.9	-8	SE	4	bc	55	85	7	-	3	2	0	2-3	-	0	2
	Leuchars ...	1016.0	-8	E	2	bc	63	75	8	-	-	5	0	4-6	-	0	*
12	Renfrew (Abbotsl.)	1015.6	-2	W	1	z	68	65	6	-	-	4	0	7-8	-	0	*
	Eskdalemuir ...	1015.3	-4	SW'W	2	bc	67	65	7	8	-	-	4-6	4-6	2500	0	*
	Point of Ayre ...	1016.0	-2	E'S	1	z	62	85	6	5	-	-	4-6	4-6	450	0	1
13a	Tiree	1014.9	0	S	2	c	61	85	6	-	3	2	0	7-8	-	0	2
13n	Stornoway	1014.3	-6	SSW	5	c	61	75	7	5	7	7	4-6	9+	4000	0	3
15	Dalwhinnie ...	'	-6	SSW	2	c	68	65	8	-	-	5	0	7-8	-	0	*
	Aberdeen ...	1016.0	-2	SSE	2	bc	56	85	7	-	-	5	0	2-3	-	0	2
16	Lerwick ...	1015.5	-4	SE	1	c	56	92	7	5	7	-	7-8	7-8	1500	1	1
		1015.4	-2	S	3	c	51	92	8	5	2	-	9	10	800	0	*
17	Blacksod Point	1014.1	-8	W	3	bc	68	65	7	-	3	-	0	4-6	-	0	2
18	Malin Head ...	1015.6	-2	E'N	1	bc	65	85	7	-	-	9	0	4-6	-	0	0
	Aldergrove ...	1015.3	-2	E'S	2	bc	68	75	6	1	-	6	Tr	4-6	2500	1	*
19	Birr Castle ...	1014.2	-6	S	1	bc	76	56	8	1	-	8	1	4-6	4000	0	*
20	Valentia Obsy. †	1015.1	-6	S	4	bc	69	69	8	1	1	2	Tr	2-3	4000	0	0
	Roches Point	1015.8	0	SE	2	b	64	85	7	-	-	-	0	0	-	0	1

PAST 24 HOURS. WEATHER.

District	Stations	7h.–13h. 30th (37)	13h.–18h. 30th (38)	18h.–1h. 30th–31st (39)	1h.–7h. 31st (40)
1	London (Kew)	cm,cz.	cz,c.	cbcc	c
	Croydon ...	cm,z.	c.	ccm.	oid,c
	S. Farnborough	cm,bc.	bcycz.	czb,cm,cm.	
	Boscombe Down	bm,cb.	bcbybcz	bcz,bz,cm.	
	Calshot (Sthmtn.)	bcm,bcb	bcb.	b	ccm.
	Lympne ...	cd,d,m,c	cvc.	bccm,o	o
	Manston ...	d,r,cbc.	bcc.	c	c
2	Shoeburyness ...	id,cbc	bccp.	p,c	c
	Felixstowe ...	did,d,d.	cdd,m,c	c	c
	Gorleston ...	oid,c.	cbc.	bcc	c
	Mildenhall ...	cd,d,c	cpr,c	c	om,c
	Cranwell ...	c	c	cbccb	cm,w
3	Birmingham ...	cb.	b.	b	bF.
4	Upper Heyford	cm,cz.	cz,cbc	bcb	bbccm.
	Ross-on-Wye	cm.	bcb.	bzbmw	bmwcom
5	Bristol ...	bcbc	bcb.	bw	bmfcw
	Portland Bill ...	bcbc	bcb.	b	bo
	Plymouth ...	bcb.	b.	bbc	bcwcbc
	The Lizard ...	bc.	bcz	bcb	bbc
	Scilly (St. Mary's)	bcb	b.	bw	bbcb
	Guernsey ...	cbc.	bc.	bcbw	bwbco
6	Pembroke ...	bcz.	bccz.	bz.	bm.w
7	Holyhead ...	bm.z.	bcbm.	bm.mw	bmw
	Chester (Sealand)	bbcz.	bzy	bz.w	bm.wm
8	Manchester ...	cmbcz.	bcz.y	bcz.bz	bwffm
10	Spurn Head ...	c	c	cbcbw	bbco
	Catterick ...	cm,bcz.	bcz,yb.	bbwm.	bwFoF
	Tynemouth ...	dbc	bc.	bc	bcff
11	St. Abbs Head	c,bc.	bcbz.	bc,b	bcz.b
	Leuchars ...	c	c,b,bc	bcwf	wFbm.
12	Renfrew (Abbotsl.)	om,z.b	bbcz.y	cz.bcm	bcmifw
	Eskdalemuir ...	om.b	bbc.	bcc	coffe
	Point of Ayre ...	bcz	bcz.	bcbbz	bzffw
13a	Tiree	bcz.	bcz.	cw	cz.w
13n	Stornoway	bbc	bcc.	cbc	bcc
15	Dalwhinnie ...	bc.	bc.	*	bcc
	Aberdeen ...	cb	b.	bbw	bwfm.
16	Lerwick ...	bc	bcc.	cbc	bc
		cid.	c	c	c
17	Blacksod Point	bc	bc.	bc	c
18	Malin Head ...	bc	bc.	bc	c
	Aldergrove ...	bbcz.	bcz.	bcwzbw	cwz.c
19	Birr Castle ...	bbcy	bcy	bc	bc
20	Valentia Obsy. †	bbc	bbcybc	bcbw	bwbc
	Roches Point	b.	b.	bw	bczw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR 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, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. 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: thus R, heavy rain. r_o, slight rain.
rr, continuous rain.
, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⁄ gale.
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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

COLUMN 29.—STATE OF GROUND.

0 . . Ground dry.
1 . . ,, wet.
2 . . ,, flooded.
3 . . ,, frozen hard and dry.
4 . . ,, partly covered with snow or hail.
5 . . ,, covered with ice or glazed frost.
6 . . Ground covered with thawing snow.
7 . . ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 . . ,, covered with snow, less than 6 ins., but ground frozen.
9 . . ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbence reported from Dungeness.

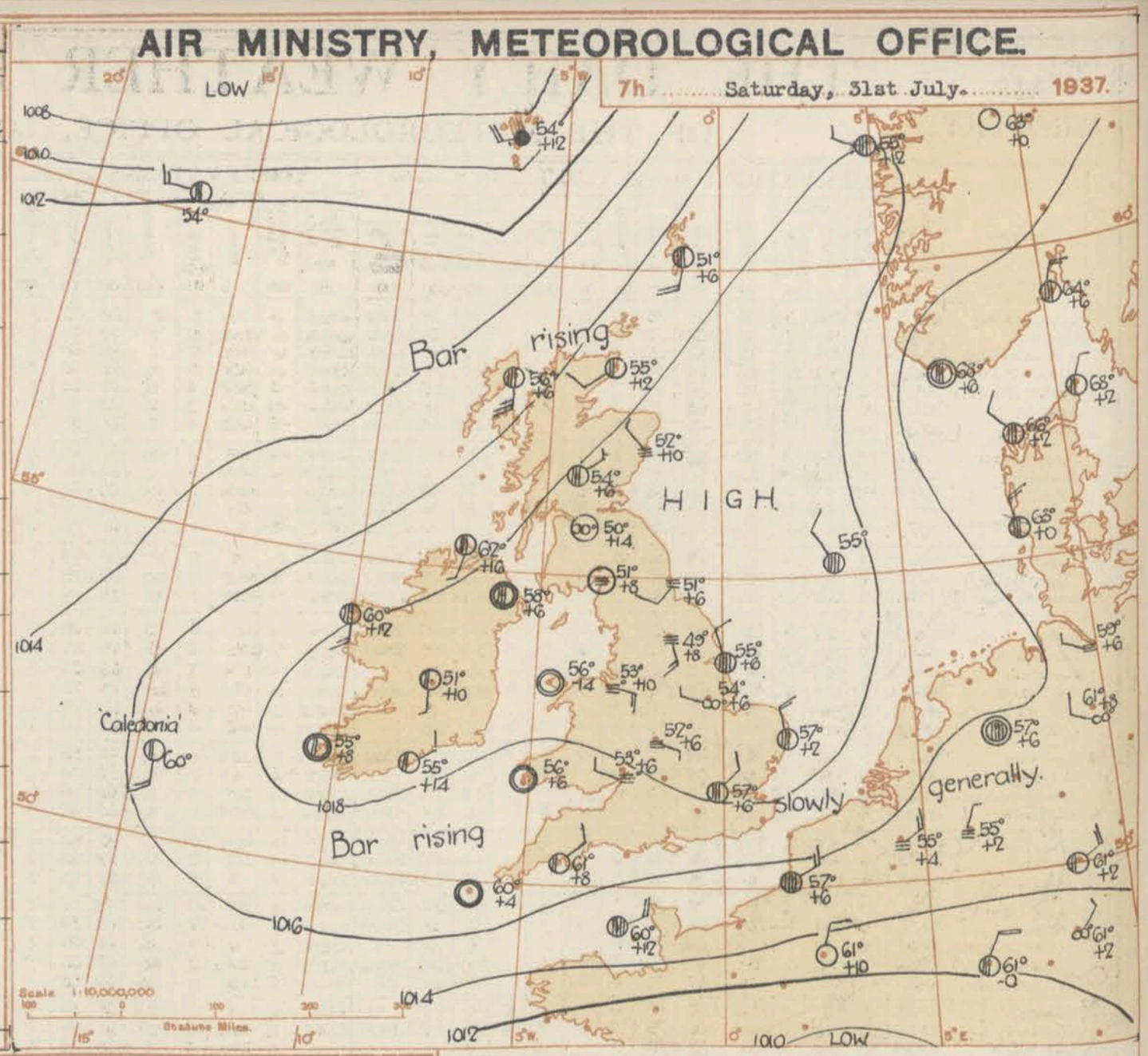
REPORTS from HEALTH RESORTS for 30th July 1937.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 29th to 9h. 30th	Temperature (°F.) Max. 9h.—17h. 30th	Rainfall (mm.) Night. 17h. 29th to 9h. 30th	Rainfall (mm.) Day. 9h.—17h. 30th	Sunshine (Hrs.) Sunrise to 17h. 30th	Sunshine (Hrs.) Sunrise to Sunset. 29th
1	Tunbridge W.	od.	oc	48	66	-	Trace	0·1	5·2
	Bournemouth	b	b	53	71	-	-	11·1	3·2
	Ventnor ...	b	bz	56	67	-	-	11·2	5·2
	Southsea ...	b	bbc	54	70	-	-	10·3	4·8
	Bognor Regis	bcbcc	ccbcb	51	67	-	-	5·0	4·3
	Littlehampton	bcc	cbc	51	67	-	-	3·0	5·7
	Worthing ...	bcc	bccb	51	67	-	-	3·0	5·9
	Brighton ...	oc	cb	52	68	-	-	9·8	3·2
	Eastbourne† ...	ocbc	bcbbcv	51	66	-	-	5·3	5·5
	Hastings† ...	ocbc	bcbc	50	67	-	-	1·3	5·1
	Folkestone ...	odr.o	cbcbbc	53	69	Trace	Trace	4·3	6·8
	Dover ...	odc	cbcc	55	68	-	Trace	4·4	8·1
	Deal	od.c o	ob	57	69	Trace	Trace	5·1	9·9
	Ramsgate ...	c	cbc	56	65	0·8	-	4·9	8·8
	Margate ...	cbc	bcc	56	64	-	-	5·0	9·5
2	Southend ...	oc	cbcc	51	67	-	-	1·6	6·7
	Maldon ...	od.c	cdo	49	65	Trace	Trace	0·1	3·1
	Clacton-on-Sea	cdbc	bcco	51	65	-	Trace	0·8	5·6
	Dovercourt ...	bccpv	pocv	57	63	Trace	Trace	0·1	3·7
	Lowestoft ...	cdr	ccbcc	54	65	0·2	0·1	1·2	0·2
	Skegness ...	ocbcc	cb	53	61	-	-	3·9	5·5
	Mablethorpe...	coec	bc	52	61	-	-	2·1	6·8
	Cleethorpes ...	cbc	c	54	61	-	-	0·5	3·7
3	Leamington S.	oc	c	51	64	-	-	1·0	9·2
4	Cheltenham†	cbc	bcv	50	68	-	-	4·7	3·6
5	Bath	cbc	bcb	50	69	-	-	7·4	1·6
	Weymouth ...	b	b	56	67	-	-	11·4	1·6
	Jersey ...	cbc	bc	60	71	-	-	6·1	1·6
	Torquay ...	bz.	b	59	68	-	-	11·4	0·0
	Penzance ...	b	b	56	69	-	-	11·1	4·6
	St. Ives ...	b	b	57	70	-	-	10·4	7·7
	Bude,.. ...	bcb	bbz	54	72	-	-	11·0	4·7
	Ilfracombe ...	cbcb	bcbz	54	64	-	-	10·8	5·5
6	Aberystwyth	zbc	bcz	58	68	-	-	9·7	8·9
7	Llandudno ...	bz.	bz.	54	73	-	-	11·6	12·3
	Colwyn Bay...	b	b	53	72	-	-	11·2	10·3
	Rhyl	z.b	bbcb	51	75	-	-	8·9	9·8
8	Wallasey ...	bcb	bbc	52	72	-	-	10·5	11·0
	Southport ...	bz	bczbz	52	71	-	-	10·0	11·0
	Blackpool ...	bc	bbc	51	73	-	-	10·3	11·9
	Morecambe ...	b	b	54	70	-	-	8·5	14·0
9	Ilkley... ...	mcb	b	53	68	-	-	3·4	3·2
	Harrogate ...	c	cb	52	65	-	-	3·9	7·5
10	Berwick-on-T.	ocbc	bcb	52	59	-	-	5·4	4·0
11	Dunbar ...	bc	bcm.	49	59	-	-	5·9	5·0
12	Troon... ...	bz.c	bz.b	49	69	-	-	7·7	12·7
	Douglas ...	cbz	bcz	53	68	-	-	6·9	14·3

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Saturday, 31st July. ..... 1937.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~~ Rough. ≈≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 31st July, 1937.
1 S.E. England 2 E. England ...	Light variable wind; mainly cloudy, local fog on coasts; rather cool.
3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light variable wind; fair generally; average temperature.
13 A. W. Scotld. B.N.W.Scotland.	Moderate to fresh southerly winds; local drizzle; average temperature.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland	Light to moderate southwesterly winds; fair; average temperature.
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light variable wind; fair; average temperature.

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

GENERAL INFERENCE.

An anticyclone is almost stationary over the British Isles and a trough of low pressure off the west coasts of Ireland and Scotland is moving northeast. Except in Northwest Scotland where local drizzle is probable, conditions will be fair generally.

FURTHER OUTLOOK.

Fair generally.

Forecasts issued at 0935 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of
SATURDAY, 31ST JULY.
1937.

Clarke's Projection Scale 1: 4X10⁷ along Meridian ab 55° 2'.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday, 31st July, 1937.
No. 27645.

OBSERVATIONS at 1 hr. G.M.T. 31st July

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1017·3	+2	ENE	3	id$_o$	57	92	6	5	–	–	10	10	800
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017·6	+2	NE	3	o	57	92	7	5	–	–	10	10	800
	Manston ...	142	1017·4	+2	NE'N	4	c	57	85	8	5	–	–	10	10	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018·1	0	N'E	2	c	56	85	7	5	–	–	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1015·8	0	E	4	b	60	85	7	–	–	–	0	0	–
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1015·6	0	NE	3	b	57	85	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	1016·1	+4	NE	3	b	56	92	7	–	–	–	0	0	–
	Guernsey ..	175	1014·3	0	NE'E	3	b	60	92	6	–	–	–	0	0	–
6	Pembroke ...	142	1016·2	+6	NE	2	b	55	92	6	–	–	–	0	0	–
7	Holyhead ...	26	1016·6	0	–	0	z$_o$	58	92	8	–	–	–	0	0	–
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018·5	0	–	0	b	63	97	8	–	–	–	0	0	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1017·5	–6	SW	1	bc	54	92	6	5	–	–	4·6	4·6	1500
11	St. Abbs Head	260	1017·3	0	–	0	b	59	85	7	–	–	1	0	1	–
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1017·4	+4	–	0	z$_o$	53	97	6	–	–	–	0	0	–
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1014·4	–6	SSE	6	bc	58	85	7	5	7	–	4·6	4·6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1015·8	–4	S	2	bc	53	97	7	7	7	–	1	2·3	2500
16	Lerwick ...	156	1017·3	–2	SSW	4	c	52	92	8	5	2	–	9	10	800
17	Blacksod Point	18	1016·1	+4	S	3	c	60	92	7	–	7	–	0	7–8	–
18	Malin Head ...	84	1016·0	0	S	1	b	59	92	7	–	–	–	0	0	–
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1016·3	0	S	3	b	58	97	7	–	–	–	0	0	–
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 31st July

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1018·5	+6	NE'N	3	z$_o$	57	85	6	5	–	–	10	10	1500	0	*
1018·2	+6	NE	2	c	57	85	7	5	–	–	10	10	800	0	*
1018·2	+6	NE'N	2	c	56	92	6	5	–	–	10	10	800	0	*
1017·9	+8	ENE	2	z$_o$	57	85	6	5	–	–	10	10	2500	0	*
1017·3	+10	NNE	2	N$_o$	59	85	6	5	–	–	10	10	1500	0	2
1017·8	+2	NNE	3	id$_o$	57	92	6	5	–	–	10	10	800	0	§2
1017·7	+2	NE'E	3	c	58	85	7	5	–	–	10	10	800	1	*
1018·3	+2	N	3	c	57	85	8	5	–	–	10	10	2500	0	*
1018·3	+2	N	2	c	56	85	7	5	–	–	10	10	1500	0	2
1018·3	+2	N'W	3	c	57	85	6	5	–	–	10	10	2500	0	2
1019·0	+8	NNE	2	o	55	92	7	5	–	–	10	10	800	1	*
1019·4	+6	W'N	1	z$_o$	54	97	6	5	–	–	10	10	800	1	*
1019·2	+6	ESE	1	f	52	97	2	–	–	–	10	10	<150	10	*
1019·1	+8	E'N	1	z$_o$	55	92	6	5	–	–	10	10	450	0	*
1018·6	+6	WNW	1	m	53	97	4	5	–	–	10	10	450	0	*
1018·6	+6	E	1	bc/f	55	97	6	5	–	–	4·6	4·6	800	0	*
1016·8	+14	NE	4	o	59	85	7	5	–	–	10	10	2500	0	3
1017·0	+8	NE'N	2	bc	61	85	7	1	–	–	2·3	2·3	4000	0	1
1016·8	+10	ENE	4	bc	60	85	7	7	–	–	2·3	2·3	4000	0	1
1017·1	+8	NE	4	b	60	85	6	–	–	–	0	0	–	0	2
1015·6	+12	ENE	4	o	60	92	6	5	–	–	10	10	2500	0	3
1016·8	+6	ENE	2	b	56	92	6	–	–	–	0	0	–	0	1
1018·4	*	–	0	m	56	97	4	–	–	–	0	0	–	0	0
1018·7	+10	ESE	3	m	53	92	4	–	–	1	0	1	–	0	*
1019·3	+10	–	0	m/f	53	97	4	–	3	–	0	Tr	–	1	*
1019·1	+6	NNW	2	o	55	97	6	5	–	–	10	10	1500	0	1
1019·3	+8	SSE	3	F	49	97	1	–	–	–	10	10	<150	0	*
1018·8	+6	SW	2	f	51	92	3	5	–	–	4·6	4·6	800	0	1
1018·3	+16	–	0	b	59	85	6	–	–	1	0	1	–	0	1
1018·3	+6	WSW	1	z$_o$	52	97	6	–	–	1	0	Tr	–	0	*
1019·0	+14	–	0	z$_o$	50	92	5	–	–	9	0	4·6	–	0	*
1019·1	+8	–	0	f	51	97	2	–	–	–	10	10	<150	1	*
1018·6	+12	S	1	f	59	97	3	–	–	–	0	0	–	1	0
1016·7	+10	S'E	2	c	58	92	6	5	–	–	9+	9+	4000	0	2
1015·1	+6	S	5	c	56	85	6	5	2	–	7–8	10	1500	0	3
*	+6	NE	1	c	54	92	7	4	5	–	4·6	10	4000	0	*
1018·2	+10	NW	1	b/f	52	97	5	–	3	1	0	1	–	0	1
1016·5	+12	SW	2	bc	55	97	8	4	4	8	2·3	2·3	1500	1	1
1017·4	+6	SSW	4	c	51	92	7	5	2	–	7–8	10	450	0	*
1017·9	+12	S	3	c	60	92	7	5	–	–	10	10	1500	0	2
1016·4	+16	S'W	1	c	62	92	6	5	7	–	4·6	7–8	2500	0	1
1018·9	+6	–	0	c	58	85	7	–	3	–	0	9+	–	1	*
1018·2	+10	S	1	bc	51	97	7	5	7	–	2·3	4·6	4000	0	*
1018·9	+8	–	0	bc	55	92	7	–	5	–	0	2·3	*	0	0
1018·8	+4	NE	2	m	55	97	4	?	3	–	0	2–3	–	0	1

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine Hrs. (36)
66	56	54	–	–	0·2
66	57	56	–	Tr	0·0
68	56	52	–	–	4·8
70	55	51	–	–	11·0
67	57	54	–	–	13·3
67	55	55	Tr	–	3·8
66	56	56	Tr	–	5·4
67	57	56	Tr	Tr	1·7
62	55	54	Tr	–	0·2
62	56	55	0·1	–	3·8
65	51	45	Tr	–	0·1
63	45	38	–	–	0·1
66	51	45	–	–	7·9
64	53	49	–	–	*
67	47	43	–	–	6·4
67	47	41	–	–	7·6
64	58	*	–	–	*
69	55	52	–	–	12·6
66	55	*	–	–	*
70	55	*	–	–	13·4
65	59	57	–	–	10·4
64	54	*	–	–	7·3
67	53	44	–	Tr	12·7
72	49	46	–	–	10·9
72	43	41	–	–	3·0
62	51	*	–	Tr	3·0
68	43	42	–	–	7·3
59	50	47	–	–	8·7
60	52	*	–	–	*
64	44	37	–	–	5·1
72	44	41	–	–	6·6
71	45	41	–	–	5·2
67	49	*	–	–	9·0
66	53	46	–	–	11·4
66	56	*	–	–	9·8
72	42	38	–	–	7·6
60	46	41	–	–	9·0
57	51	*	–	–	*
56	50	*	Tr.	–	0·1
69	56	*	–	–	*
72	56	*	–	–	10·7
74	48	45	–	–	11·1
76	50	42	–	–	11·8
73	49	45	–	Tr	13·8
66	54	*	*	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew	18	cm$_o$c2$_o$	c2$_o$c	cbcc	66	56	54	–	–	0·2	*	*	6
Croydon	217	cm$_o$z$_o$	c	ccm$_o$	66	57	56	–	Tr	0·0	*	*	6
Greenwich (Royal Observatory)...	149	c	c	c	67	56	55	–	–	0·0	73	80	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	66	57	56	–	–	0·1	68	77	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	67	55	55	–	–	2·1	73	82	*
Camden Square	110	c	c	*	66	56	53	–	–	*	*	80	*
Kensington	80	co	co	*	65	56	53	–	–	0·3	At 18h. 76	85	*
Hampstead Observatory	450	c	bc	c	64	53	42	–	–	0·1	*	87	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

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

Kew Observatory. Max.	Time.	Min.	Time.
0·2	8h 30th	<0·1	0h 31st

FOREIGN OBSERVATIONS.

Stations.	18h G.M.T. 30th July. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F	7h. G.M.T. 31st July. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F
Paris	1011·8	NNE	2	c	72	1013·0	NNE	2	z$_o$	61
Brussels						1015·5	NE	3	f	55
Berlin	1016·4	–	0	ir$_o$	68	1014·0	WNW	1	b	64
Zürich	1011·1	WNW	1	bc	73					
Rome										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
77	54	–	–
75	57	Tr	–
73	*	–	
*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.
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 m/h.	Beaufort No	Statute m/h.	Beaufort No	Statute m/h.
0	<1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	> 75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—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	2¼ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm.	5 Very rough
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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METEOROLOGICAL OFFICE. AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.