

# SUMMARY of the OBSERVATIONS made at the STATIONS included in the DAILY and WEEKLY WEATHER REPORTS, for the CALENDAR MONTH,

## JUNE 1891.

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**General Summary.**—The weather of June, although somewhat changeable, was for the most part fair and dry, especially in the north-east of Great Britain. Thunderstorms occurred at varying times in nearly all districts, and in some few cases the accompanying rainfall was heavy. Pressure and temperature were above the average generally; the winds were rather variable, but mostly from some Easterly quarter; rainfall was less than the average in all but the extreme south-western parts of the kingdom; and the amount of bright sunshine showed no great divergence from the normal.

**Pressure.**—*Mean for the month at 8 a.m.* varied from between 30·05 ins. and 30·10 ins. over the north of England and the north and east of Scotland to very little above 29·95 ins. in the west of Ireland. The distribution of pressure was therefore abnormal; instead of a slight general gradient for South-westerly and Westerly winds, there was a trifling one for South-easterly and Southerly breezes except over Great Britain, where the values were exceedingly uniform. Compared with the average\* the readings showed a slight deficit in the extreme south-west, but an excess in all other districts, the variation amounting to as much as 0·2 in. in the extreme north of Scotland. *Highest* readings were observed as a rule on the 12th, when the barometer rose to between 30·3 ins. and 30·4 ins. in all parts of the kingdom. *Lowest* values were recorded either on the 26th or 29th, when the barometer fell a little below 29·3 ins. on our extreme western coasts and below 29·7 ins. in most other districts. *Range* was small in the eastern parts of the country, and only moderate in the west.

**Depressions** were very few in number and of no great depth. On the evening of the 26th a disturbance of considerable intensity appeared to be advancing towards our south-west coasts, but in the course of the ensuing night the system passed away again over the Atlantic.

**Anticyclones.**—The distribution of pressure over our Islands was anticyclonic throughout the greater part of the month, two well-marked systems, each of great persistence, being observed in our neighbourhood. The first of these spread over from Scandinavia between the 1st and 8th, and afterwards passed away to the Atlantic. The second advanced from the westward between the 11th and 13th, and after receding temporarily to the south-westward, ultimately changed its course and travelled very slowly across our Islands to Scandinavia.

**Winds** varied greatly in direction, especially at the more southern stations. In the northern districts there was a somewhat decided preponderance of breezes from the Eastward and North-eastward, while at Valencia the proportion of calms was abnormally large. Scarcely any gales were experienced on the British coasts, but at Valencia there were as many as 8 and at Mullaghmore 5.

**Temperature.**—*Mean at Sea Level* ranged from a little below 50° in the Shetlands to 58° or more over Central Scotland, to 59° or more over the inland parts of Ireland and to between 60° and 62° over a considerable portion of the English midland and southern counties. The summer type of distribution was more clearly marked than usual, and the mean values were above the average\* at all but the northern coast stations, the excess being greatest in Ireland. *Highest* readings were observed mostly between the 19th and 23rd, when the thermometer exceeded 80° in many inland parts of the United Kingdom, the highest readings of all being 84° at Llandovery and 83° at Londonderry. *Lowest* values were recorded as a rule between the 9th and 12th, the absolute minima being below 40° over the northern and inland parts of our Islands and at Dungeness, and slightly below the freezing-point at some of the Scotch stations. *Range* was large, being over 40° in many places and as high as 50° at Llandovery and 49° at Lairg. *Vapour Tension* ranged from about 0·31 in. in the Shetlands to a little above 0·42 in. on the south coast of England and in the extreme west of Ireland. *Relative Humidity* was less than 80 per cent. in the east and south of Scotland and the northern and central parts of England, but was as high as 89 per cent. in the Shetlands and as high as 92 per cent. at Stornoway and Prawle Point.

**Rainfall.**—The total fall was less than an inch in the east and south-east of Scotland and the north-east of England, the smallest aggregates of all being 0·16 in. at Durham and 0·4 in. at Scarborough; at the inland stations in the south-east of England the amount was less than 1·5 in. and in the north of Scotland less than 2 ins., but on the south-west coasts of our Islands, in North Wales, and over several parts of our west midland counties, the fall was much greater; Loughborough reported 4·8 ins., Cheadle 3·8 ins., Liverpool Observatory 4·3 ins., Falmouth 3·4 ins., Roche's Point 4·2 ins., and Valencia Island 4·6 ins. In the regions last mentioned the rainfall was in excess of the average\*; elsewhere there was a marked deficit. The number of rainy days was less than 10 at many of our northern, central, and eastern stations, and as low as 2 at Shields.

**Bright Sunshine.**—The amount varied greatly in different parts of the kingdom, but upon the whole there was no wide departure from the average.\* The per-centage of the possible amount of duration was below 35 at most of our eastern stations, the lowest value of all being 25 at Edinburgh. On our west and south coasts, however, it was mostly above 40, and at Hastings and Southampton it reached 46 per cent., and at Jersey 50.

\* The averages employed are—*Pressure* and *Temperature* for the 20 years, 1871–90; *Rainfall* for the 25 years, 1866–90  
*Bright Sunshine* for the 10 years 1881–90.