

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

## SEPTEMBER 1888.

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**General Summary.**—Weather of September was quiet and generally fine. Pressure was very high and steady. Temperature was not far from the average, but rather below it. Rainfall was slight, and in some places only half the ordinary amount fell. Winds were light on the whole.

**Pressure.**—*Mean for the month* at 8 a.m. was above 30·10 ins. except in the extreme north, and the isobar of 30·15 ins. enclosed all but the northern parts of England and Ireland, taking in the Channel Islands. The mean was as much as 0·3 in. above the average\* in the north of Ireland as well as over the northern counties of England and the whole of Scotland. *Highest* readings occurred at the western and northern stations on the 8th, and in the east of England on the 13th. *Lowest* on the 6th on the western parts of Ireland and Scotland, and on the 30th on the east coast of England. *Range* was very moderate, the extreme difference over the entire kingdom barely exceeding 1·1 ins., the extreme readings being 30·56 ins. at Belmullet and 29·45 ins. at Stornoway.

**Depressions** scarcely visited us, the tracks lying quite outside our area, mostly to the northward even of Shetland. One on the 27th passed from south to north outside Ireland.

**Anticyclones.**—The chart shows a persistence of anticyclonic conditions for nearly the whole month. The first definite system of this character passed over us from the westward between the 6th and the 10th, another succeeded it on the 12th, and from that date till the end of the month the conditions were anticyclonic.

**Wind** was very light, as might be anticipated from the conditions of pressure. The southern stations showed a prevalence of North-east winds, while in the north and north-east the excess was from West and South-west; the other wind-roses do not exhibit any marked peculiarities.

**Temperature.**—*Mean at Sea Level* varied from 50° in the Shetlands to 58° in Kent, and to 61° at Jersey. It was on the whole somewhat below the average\* except in the south of England, where the difference was in the other way. *Highest* values were recorded generally about the middle of the month, 74° at London, Strathfield Turgiss, and Southampton, but the absolute maximum was 75°, registered at Lairg on the 20th. *Lowest* were noted on various dates; at some Scotch stations, at Newton Reigny, and Bawtry, they were below 32° at the end of the month, at Donaghadee and Belmullet the absolute minimum was as high as 46°, and at Yarmouth, Hastings, Pembroke, and Holyhead only a degree lower. *Range* was not excessive, though at Lairg it reached 49°, the absolute extremes having been both noted at that station. *Vapour Tension* varied from 0·40 inch on the Channel coast to 0·32 inch at Stonyhurst and 0·307 inch at Aberdeen and Nairn. *Relative Humidity* reached 90 per cent. over the Midland Counties and Lancashire, the eastern part of the Channel, and the west of Scotland. In fact a ridge of high Relative Humidity stretched from N.N.W. to S.S.E. across our area.

**Rainfall** was much below the average,\* many stations having only half the normal quantity. The least amounts were Churchstoke and Ardrossan, 0·33 inch; Kilkenny, 0·40 inch; and Hereford, 0·43 inch. The highest records were Glencarron, 3·44 ins., and Laudale, 3·10 ins. There were only two cases of falls exceeding an inch in one day, viz., Hawes Junction, 1·58 ins., and Stonyhurst, 1·48 ins., both on the 1st. There were seven days on which no rain fell at any of the stations.

**Bright Sunshine** showed a great improvement on preceding months. The highest record was at Jersey, 54 per cent. of the possible duration. Then came Hastings with 49 per cent., Plymouth with 46, and Pembroke with 44. The least amount of sun was recorded in the north of Scotland.

\* The averages employed are—*Pressure* and *Temperature* for 20 years, 1861–80; *Rainfall* for the 20 years, 1866–85.