



Weather Front

June 2019/1919

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Pitsford: Very unsettled for the most part with frequent areas of low pressure converging on the UK. Some of the most significant rain was associated with some very slow-moving lows working up from the south fuelled by a continent in the grip of a heatwave. Conditions became more settled in the final week, culminating in a brief incursion of very warm air from the continent on the 29th, the warmest June locally for 43 years.

Derby: The wettest June on record, since 1952, and, at least 1880 locally. The 10th to 12th inclusive produced 86.7 mm (over 20 mm measured on each day). The rainfall total, for 2019, so far, is 112% of average.

Lowdham: On the 11th the daytime maximum temperature (0900-2100) was 10.0 C and was the lowest June day maximum on the station record (1991). The temperature then rose to 11.3 C during the night. On the 10th the total rainfall was 52.5 mm and was the wettest June day on the station record. It is understood that 61.5 mm was recorded at Radcliffe-on-Trentⁱ. It is also understood that the 10th was the wettest June day in Nottinghamshire since 18 June 1930 when 2.99 in. (76.0 mm) was recorded at Welbeck Abbeyⁱⁱ. The total rainfall recorded between the 7th and 13th was 128.9 mm.

Coton in the Elms: An exceptionally wet month; a month's worth of rain fell in three days during the second week. The maximum temperature of 10.1 C on the 12th was the lowest maximum for June on the station record.

Mickleover: The wettest June on the station record (1981); 82.8 mm fell over three days (10th, 11th, 12th).

Middleton: The third consecutive June with no thunder reported.

Eastwood: Very heavy rain fell between the 9th and 13th; over 88 mm.

Mountsorrel: After a warm start, June quickly became cool and wet. Between the 7th and 14th, 103 mm of rain was noted. The second half of the month was much drier, and on the 29th hot, continental air, from North Africa, produced a maximum temperature of 30.3 C, which was the highest June temperature since 2005.

Ely: Generally wet and often cold during the first half of the month but, mainly dry, and warmer, during the second half.

Lincolnshire: On the 9th, thunder was heard at 1830 and accompanied heavy showers to the West and South. On the 10th there was heavy rain all day and thunderstorms late evening. On the 11th there was rain all day, which was heavy at times. There was much flooding throughout Lincolnshire; Horncastle, Boston, Skegness, and Skellingthorpe, to name but a few. On the 12th severe flooding was reported over much of low-lying Lincolnshire, and on the 13th the River Steeping breached its bank at Wainfleet. Extensive flooding was noted over the area, and over much of the Lincolnshire Fens. Seven flood warnings were in operation east of the Wolds and in the Fens. Further showers were noted on the 15th and 16th but the 17th was fine to the end of the month

June 1919.

Observers Notes.

Derby/Burton on Trent: A very dry month; mostly 20 - 25 mm at various gauges, but one or two around 30 mm. Several very warm days. Maxima 27 - 28 C or so on the 7th, 11th and 26th, Minima around 4 C on 22nd.ⁱⁱⁱ

Deighton Grove, Yorkshire: Up-to the 15th the weather was fine and hot, but after that date there was a prevalence of cold, dry winds.

Copdock, Suffolk: The month divided itself into two well-marked sections, the conditions from the 1st to 18th being fine and dry; but on the 19th the weather broke, and thereafter was cold and unsettled, with much northerly wind. The nett result was a very average month, the sunshine being slightly above and the rainfall slightly below the normal, the temperature according closely to normal.

Weston Turville, Buckinghamshire: Drought continued until the third week, and seriously injured the hay crop and stunted vegetation generally.

Tenbury, Worcester: Fine, warm, and dry, but remarkably windy. It was the driest June for more than twenty years. Hay crops are considerably under the average.

Southport, Lancashire: The windiest June, by far, during 48 years' records. Wet and North-West winds were prevalent during almost exactly the same, very unusual number of hours, that was recorded in June 1918, but the speed this time was much greater.

Dublin, Fitzwilliam Square: At first the month was fine, quiet, and summerlike. Thunderstorms occurred on the 10th and 12th, the storm on the latter date being accompanied by a heavy downpour of 46 mm. The last half of the month was cloudy,

windy, and cold. The rainfall on the 12th equalled 58 per cent of the total precipitation for the month and that of the 24th (17 mm) 21 percent.

Carregoran, Co. Clare: We had slightly more than our normal rainfall, and one rain-day in excess. Gloomy days, with a low temperature and frequent high winds, prevailed throughout the month.

Hurdlestown, Co. Clare: The total rainfall for the month (71mm) was 7 mm above the normal [111%], and the rain-days one above. As a whole it was, however, a dry June, as a large part of the total fell on the 11th (27 mm) [38%]. Although it was a very cold month, crops of all kinds are looking well.^{iv}

Sunny and Warm at First, then Cool and Rainy.^v

“Until about the 19th the weather of the month was of a seasonable character, with many hot days, the sunshine during the second and third weeks being very abundant. After the 19th, however, there was a great decrease in the temperature, the weather of the closing week being very inclement for the time of year...”^{vi} Thus, the Monthly Weather Report summed up the weather for June 1919.

The mean temperatures ranged from average in South-West England and the English Channel stations to [+0.6 C] in the Midlands, [-0.6 C] in Northern Ireland, and [+1.0 C] in North Eastern England; in Southern Ireland the departure from average was only [-0.1 C] and in Eastern Scotland [+0.1 C]. As to daily maxima, the highest noted was [29 C] and was recorded at several English stations on the 7th and 11th. The lowest minimum recorded was [-2 C] at West Linton (Peebles) on the 3rd.

Rainfall was below average, except in Northern Scotland (162%), Western Scotland (153%) and Northern Ireland (133%). The shortage of rainfall ranged from 48% in the Midlands to 91% in Eastern Scotland; similar variations occurred in North East England (49%) and South-West England (55%). At stations level there were similar variations in totals; Aberdeen reporting 77% of average and Perth 58%, but Stornoway noted 234% and Kilmarnock 233%. At Stornoway it was the wettest June on record, but the Glasgow total of 115 mm was only half that recorded in June 1872.^{vii} [Kington notes that June 1872 was “very warm; 29 C(84 F) at Thwaite (Suffolk) on 17 June; 18 June: southerly situation, heavy thunderstorms, rain, floods in north England; 27-28 June:...”^{viii}

Fog was prevalent at some coastal stations, and ground frosts were recorded at some inland localities, mainly at the start and end of the month.^{ix}

The month was decidedly warm and sunny at first, but then became cool and wet after the third week.

Some examples of extreme temperatures and weather within the East Midlands.

Lincoln, Max. 29 C (7th), Min. 5.0 C (26th). Hail noted on one day.

Skegness, Max. 27 C (7th and 12th), Min. 3 C (27th). Thunderstorm noted on one day.

Belper, Max. 28 C (7th), Min. 3.3 C (22nd).

Cambridge, Max 29 C (7th), Min. 0.0 C (4th). Two days with thunderstorm noted.

Raunds, Max 29 C (7th), Min 2.8 C (4th).^x Three days with ground frost noted.

Brocklesby, 28.9 C (7th), Min 4.4 C (27th and 30th).^{xi}

Central England Data June 1919, (averaging period 1881-1910)^{xii}:

Mean Maximum Temperature: 19.2 C, Average: 18.7 C.

Mean Minimum Temperature: 9.4 C, average: 9.6 C.

Mean Temperature: 14.3 C, average: 14.1 C.

England and Wales Rainfall: 36.5 mm, average: 62.7 mm.

Midlands Mean Maximum Temperature: 19.0 C.

Midlands Mean Minimum Temperature: 8.5 C.

Midlands Mean Temperature: 13.7 C.

Midlands Rainfall: 29.2 mm.

ⁱ J Osborne, by email, 1 July 2019.

ⁱⁱ British Rainfall, 1930.

ⁱⁱⁱ D J Stanier, by email, 1 July 2019.

^{iv} Monthly Weather Report, June 1919, HMSO, 1919, p. 63.

^v MWR, June 1919, Headline, p. 63.

^{vi} MWR, June 1919, p. 63.

^{vii} MWR, June 1919, p. 63.

^{viii} Kington J, Climate and Weather, The New Naturalist Library, Collins 2010, p. 369.

^{ix} MWR, June 1919, p. 63.

^x MWR, June 1919, p. 66.

^{xi} Lincoln Archive Office, YARB. 14/2.

^{xii} www.metoffice.gov.uk/hadobs