

MAIDENHEAD METEOROLOGICAL OBSERVATIONS FOR 2019

2019 was a mild and sunny year, with near-normal rainfall overall - but with quite a lot of variation during the year. January was dry with the 12th marking the end of a 17-day spell with no measureable rain. 19.9C on the 26th was the highest February temperature locally since before 1953 while the snowfall on the 1st lay for three mornings and was the only major snow event of the year. March was the third warmest in 20 years. April gave an unusually warm Easter. May was dry, especially the 10th-28th. June was wet but 33.7C on the 29th was the highest June temperature since 34.2C in June 1976. 37.2C on 25 July equalled the highest temperature recorded in Maidenhead and Hurley (with 10 August 2003) since before 1953; it was the coolest July for two years but was still 1.6 degC warmer than average. August had an unusually late heatwave 23rd-28th, with 32C exceeded on three consecutive days. September ended with a wet week while October had a wet first half. November was cold, wet and dull; the average MSL pressure was the lowest in November since 1963. December was mild, wet and yet sunny. Overall the year was the mildest since 2014, except for a slightly milder 2018.

	2019	Climatological normal	Notes
Air temperature (degC)			
Mean maximum	16.3	15.1	Lower than in 2018, otherwise highest since 2014
Mean minimum	7.1	7.0	
Mean	11.8	11.0	0.1 degC cooler than 2018
Highest maximum	37.2	30.9	Equal highest with 2003
Lowest maximum	2.3	0.3	Highest since 2016
Highest minimum	19.3	18.5	Highest since 2016
Lowest minimum	-5.4	-7.0	Lowest since 2017
No. of days with minimum below -5C	2	3.0	Highest since 2016
No. of days with maximum 25C or more	33	25.0	Lowest since 2017
No. of days with maximum below 0C	0	1.2	
No. of days with minimum 15C or more	29	21.0	
Grass temperature (degC)			
Lowest minimum	-9.4	-10.5	
Mean grass minimum	4.4	4.5	
Soil temperature (degC)			
5cm mean	10.2	9.7	
10cm mean	10.4	9.9	
20cm mean	11.3	10.9	
30cm mean	11.8	11.3	
50cm mean	11.7	11.1	Equal highest since 2007
100cm mean	11.9	11.2	Equal highest since 2007
5cm maximum	21.3		
5cm minimum	0.7		
10cm maximum	22.0		
10cm minimum	0.8		
20cm maximum	22.4		
20cm minimum	2.0		Equal highest since 2014
30cm maximum	21.5		
30cm minimum	3.1		Highest since 2016
50cm maximum	20.0		
50cm minimum	3.6		Highest since 2016
100cm maximum	17.9		
100cm minimum	5.8		Highest since 2016
Sunshine (hr)			
Mean daily sunshine amount	4.66	4.18	
Total sunshine	1707.2	1529.8	Dullest since 2017
Maximum daily sunshine	14.4	14.7	Equal lowest since 2008
Number of sunless days	61	67.7	
No. of days with over 12h	22	16.4	
Precipitation (mm)			
Total fall	667.3	660.7	Wettest since 2016
Highest daily total	26.8	33.7	Highest since 2017
No. of days with 0.2mm or more	166	157.0	Highest since 2014
No. of days with 1.0mm or more	124	115.3	Highest since 2014
No. of days with 5.0mm or more	45	43.9	Highest since 2014
Number of days with			
Snow or sleet falling	6	12.2	Lowest since 2016
50% snow cover on round at 0900GMT	2	5.0	
Hail or ice pellets falling	5	4.8	
Thunder heard	8	13.0	
Fog at 0900GMT	2	9.4	Lowest since 2 days in 2004
Air frost	39	40.0	
Ground frost	83	88.6	The most since 2016
Gale	0	1.2	
Air pressure			
Mean at 0900GMT	1014.5	1016.0	
Miscellaneous			
Mean relative humidity at 0900GMT	79	82.0	
Number of hours with rain	577.5	543.9	Highest since 2014
Number of hours with air frost	187.0	301.1	Lowest since 2015
Most hours of rain in a day	19.6		
Mean cloud cover at 0700GMT (eighths)	5.6	5.6	
Mean wind speed at 0700GMT (knots)	3.7	5.1	
Total piche evaporation (ml)	564.6	564.8	
Greatest daily evaporation (ml)	5.5		

Climatological normals refer to 1981-2010