

MAIDENHEAD METEOROLOGICAL OBSERVATIONS FOR 2022

2022 was, overall, the warmest year in Maidenhead on record (slightly milder than 2006), the sunniest since 2020 and the driest since 2010. It was a year with considerable variations, including (1) a run of ten warmer-than-average months during February-November, (2) record-breaking high temperatures in July, while (3) the months of January-August (with the exception of February) were all drier than normal.

The year had a very sunny summer, while the first half of December brought a cold snap with lying snow and the lowest daytime temperatures of the year (before it turned mild in time for Christmas).

Many of the dry months had fortnight-long spells without much measurable rainfall (e.g. in January, March, April, July and August). The combination of the dry and warm conditions led to water-use restrictions later in the summer.

The year began with an unusually mild New Year's Day, while in January shock waves from the Tonga volcano were seen in the air pressure records on the 15th and 16th. In February storm Eunice felled a few trees in the town on the 18th. April had its coldest night since 1990 while the only persistent lying snow was in December.

	2022	Climatological normal Notes
Air temperature (degC)		
Mean maximum	16.9	15.5 The highest since before 1988
Mean minimum	7.7	7.2 Joint highest since 2006
Mean	12.3	11.4 The highest in the all-time local record.
Highest maximum	38.7	31.9 The highest temperature locally in all-time records
Lowest maximum	0.5	0.9
Highest minimum	20.5	18.9
Lowest minimum	-7.2	-5.9 The lowest temperature since 2012
No. of days with minimum below -5C	5	1.9 The highest count since 2010
No. of days with maximum 25C or more	49	29.0 The highest count since 2018
No. of days with maximum below 0C	0	0.6
No. of days with minimum 15C or more	39	23.7 The highest count since 2018
Grass temperature (degC)		
Lowest minimum	-11.0	-8.9 The lowest grass temperature since 2010
Mean grass minimum	4.7	4.7
Soil temperature (degC)		
5cm mean	10.7	10.0
10cm mean	10.9	10.2
20cm mean	11.8	11.1
30cm mean	12.3	11.6 The warmest since before 1988
50cm mean	12.1	11.4
100cm mean	12.3	11.5 The warmest since before 1988
5cm maximum	22.4	
5cm minimum	-0.1	
10cm maximum	22.7	
10cm minimum	0.1	
20cm maximum	23.0	
20cm minimum	1.2	
30cm maximum	22.1	
30cm minimum	2.6	
50cm maximum	21.2	
50cm minimum	3.4	
100cm maximum	19.1	
100cm minimum	6.6	
Sunshine (hr)		
Mean daily sunshine amount	5.00	4.34
Total sunshine	1826.1	1585.2 The sunniest year since 2020
Maximum daily sunshine	15.1	14.8
Number of sunless days	43	65.3
No. of days with over 12h	29	18.1
Precipitation (mm)		
Total fall	580.2	678.0 The driest year since 2010
Highest daily total	28.5	35.7
No. of days with 0.2mm or more	132	160.7 The lowest count since 2003
No. of days with 1.0mm or more	96	117.5
No. of days with 5.0mm or more	40	46.4
Number of days with		
Snow or sleet falling	6	10.3
50% snow cover on round at 0900GMT	3	3.5
Hail or ice pellets falling	4	5.3
Thunder heard	9	11.3
Fog at 0900GMT	7	7.5
Air frost	36	37.7
Ground frost	86	85.7
Gale	0	0.2
Air pressure		
Mean at 0900GMT	1017.2	1015.9
Miscellaneous		
Mean relative humidity at 0900GMT	78	81.0
Number of hours with rain	418.2	555.5
Number of hours with air frost	311.2	247.4
Most hours of rain in a day	15.1	17.2
Mean cloud cover at 0700GMT (eighths)	5.5	5.7
Mean wind speed at 0700GMT (knots)	3.3	4.5
Total piche evaporation (ml)	624.4	563.9
Greatest daily evaporation (ml)	7.6	5.5