

MAIDENHEAD METEOROLOGICAL OBSERVATIONS FOR 2014

2014 was a very mild and very wet year. In local records going back to 1953 only 2006 was (marginally) warmer. Not until late December did the daytime temperature fail to reach 5C - the maximum temperature on the coldest day of 2014 was the highest annual value for ten years. The year was sunnier than normal and it was the wettest year since 2000 when 893.6 mm fell. 1958 was also wetter locally, while 1903 was wetter than 2014 by about 100 mm. Local daily snowfall records go back to 1936 and 2014 was the first year since then in which no sleet or snow was observed to fall in Maidenhead. Thunderstorms were more frequent, especially in the summer months, than in recent years although there were more thunder days in 2006.

	2014	Climatological normal	Notes
Air temperature (degC)			
Mean maximum	16.6	15.1	The highest value in the past 50 years locally
Mean minimum	7.6	7.0	7.7C was the average in 2011
Mean	12.1	11.0	Only 2006 has been marginally warmer in the past 50 years
Highest maximum	30.3	30.9	
Lowest maximum	2.9	0.3	The highest such value since 3.2C in 2004
Highest minimum	18.7	18.5	
Lowest minimum	-5.1	-7.0	
No. of days with minimum below -5C	1	3.0	
No. of days with maximum 25C or more	33	25.0	2 days less than in 2013, otherwise the highest number since 2006
No. of days with maximum below 0C	0	1.2	
No. of days with minimum 15C or more	22	21.0	5 days less than in 2013
Grass temperature (degC)			
Lowest minimum	-7.8	-10.5	
Mean grass minimum	5.1	4.5	
Soil temperature (degC)			
5cm mean	10.6	9.7	
10cm mean	10.8	9.9	
20cm mean	11.6	10.9	
30cm mean	12.1	11.3	
50cm mean	11.9	11.1	
100cm mean	11.9	11.2	
5cm maximum	20.6		
5cm minimum	-0.1		
10cm maximum	20.6		
10cm minimum	0.6		
20cm maximum	20.6		
20cm minimum	2.1		
30cm maximum	20.2		
30cm minimum	3.9		
50cm maximum	19.3		
50cm minimum	5.2		
100cm maximum	17.7		
100cm minimum	6.8		
Sunshine (hr)			
Mean daily sunshine amount	4.64	4.18	
Total sunshine	1694.2	1529.8	The sunniest year since 1695.3 hours in 2009
Maximum daily sunshine	14.7	14.7	
Number of sunless days	52	67.7	The fewest sunless since 52 days in 2007
No. of days with over 12h	16	16.4	
Precipitation (mm)			
Total fall	851.7	660.7	The wettest year since 2000 when 893.6 mm fell. 1958 was also wetter locally while in 1903 around 950 mm of rain fell.
Highest daily total	25.6	33.7	
No. of days with 0.2mm or more	182	157	
No. of days with 1.0mm or more	141	115	
No. of days with 5.0mm or more	57	43.9	
Number of days with			
Snow or sleet falling	0	12.2	The first year without snow since before 1936
50% snow cover on round at 0900GMT	0	5.0	The first year since 2011 without any lying snow
Hail or ice pellets falling	10	4.8	
Thunder heard	17	13.0	Most days with thunder since 18 days in 2006
Fog at 0900GMT	6	9.4	
Air frost	29	40.0	
Ground frost	76	88.6	
Gale	0	1.2	
Air pressure			
Mean at 0900GMT	1012.7	1016.0	Many months had below average pressure this year, especially February
Miscellaneous			
Mean relative humidity at 0900GMT	83	82.0	
Number of hours with rain	633.5	543.9	
Number of hours with air frost	144.3	301.1	The lowest duration of air frost since 2011
Most hours of rain in a day	17.5		
Mean cloud cover at 0700GMT (eighths)	5.6	5.6	
Mean wind speed at 0700GMT (knots)	3.8	5.1	
Total piche evaporation (ml)	545.3	564.8	
Greatest daily evaporation (ml)	5.0		