

MAIDENHEAD METEOROLOGICAL OBSERVATIONS FOR 2013

2013 was a year of contrasting conditions. Temperatures were below average during the first six months but the summer months were warm, especially July, with many hot days and warm nights. Despite a very sunny July (which gave Maidenhead the most days with 12 h or more of sunshine since 2007), the sunshine total for the year was slightly below average. Rainfall was close to average - a dry summer was balanced out by wet conditions at times in the final three months. The incidence of days with snow falling was the greatest since 2010. Despite the cool start to the year, an air temperature of -5 C was not reached, while the final fortnight was rather windy at times.

	2013	Climatological normal	Notes
Air temperature (degC)			
Mean maximum	14.9	15.1	
Mean minimum	6.7	7.0	The lowest since 2010
Mean	10.8	11.0	The coolest year since 2010
Highest maximum	32.9	30.9	22 July - the warmest day since July 2006
Lowest maximum	-0.2	0.3	
Highest minimum	19.2	18.5	July gave us the joint warmest night since July 2006
Lowest minimum	-4.8	-7.0	An absence of really cold nights during 2013, -5C was not reached
No. of days with minimum below -5C	0	3.0	
No. of days with maximum 25C or more	35	25.0	The greatest number of hot days since 2006
No. of days with maximum below 0C	1	1.2	
No. of days with minimum 15C or more	27	21.0	The greatest number of warm nights since 2006
Grass temperature (degC)			
Lowest minimum	-6.4	-10.5	
Mean grass minimum	4.2	4.5	
Soil temperature (degC)			
5cm mean	9.6	9.7	
10cm mean	9.7	9.9	
20cm mean	10.5	10.9	
30cm mean	11.0	11.3	
50cm mean	10.7	11.1	
100cm mean	10.8	11.2	
5cm maximum	21.4		
5cm minimum	0.3		
10cm maximum	21.7		
10cm minimum	0.5		
20cm maximum	22.0		
20cm minimum	2.0		
30cm maximum	21.1		
30cm minimum	3.2		
50cm maximum	19.4		
50cm minimum	3.7		
100cm maximum	17.1		
100cm minimum	5.1		
Sunshine (hr)			
Mean daily sunshine amount	4.12	4.18	
Total sunshine	1502.2	1529.8	The dullest year since 2000
Maximum daily sunshine	14.6	14.7	
Number of sunless days	68	67.7	
No. of days with over 12h	25	16.4	The greatest number of sunny days since 2007
Precipitation (mm)			
Total fall	677.7	660.7	
Highest daily total	30.8	33.7	
No. of days with 0.2mm or more	148	157	
No. of days with 1.0mm or more	117	115	
No. of days with 5.0mm or more	48	43.9	
Number of days with			
Snow or sleet falling	25	12.2	The greatest number of snowfall days since 2010
50% snow cover on ground at 0900GMT	9	5.0	
Hail or ice pellets falling	6	4.8	
Thunder heard	11	13.0	
Fog at 0900GMT	15	9.4	
Air frost	44	40.0	
Ground frost	116	88.6	The greatest number of ground frosts since 2003
Gale	0	1.2	
Air pressure			
Mean at 0900GMT	1015.4	1016.0	
Miscellaneous			
Mean relative humidity at 0900GMT	81	82.0	
Number of hours with rain	634.1	543.9	
Number of hours with air frost	281.5	301.1	
Most hours of rain in a day	22.0		
Mean cloud cover at 0700GMT (eighths)	6.1	5.6	
Mean wind speed at 0700GMT (knots)	4.1	5.1	
Total piche evaporation (ml)	543.2	564.8	
Greatest daily evaporation (ml)	5.1		

Climatological normals refer to 1981-2010