

MAIDENHEAD METEOROLOGICAL OBSERVATIONS FOR 2011

Overall a very warm year with very little air frost, snow or thunder. Summer started early, in April, with April and May being the sunniest months of the year. Any heatwaves were short-lived but there was a remarkable heatwave during the final few days of September and the first three days of October.

	2011	Climatological normal Notes
Air temperature (degC)		
Mean maximum	16.3	15.1 The equal warmest year during daytime on record with 2003
Mean minimum	7.7	7.0
Mean	12.0	11.0 The second warmest year on record, 0.2C cooler than in 2006
Highest maximum	29.6	30.9 30C was not reached for the first year since 2008
Lowest maximum	1.5	0.3
Highest minimum	18.6	18.5
Lowest minimum	-3.7	-7.0 No particularly cold nights this year
No. of days with minimum below -5C	0	3.0
No. of days with maximum 25C or more	23	25.0
No. of days with maximum below 0C	0	1.2
No. of days with minimum 15C or more	16	21.0
Grass temperature (degC)		
Lowest minimum	-5.9	-10.5
Mean grass minimum	5.5	4.5
Soil temperature (degC)		
5cm mean	10.5	9.7
10cm mean	10.7	9.9
20cm mean	11.4	10.9
30cm mean	11.9	11.3
50cm mean	11.7	11.1
100cm mean	11.7	11.2
5cm maximum	19.1	
5cm minimum	1.0	
10cm maximum	19.4	
10cm minimum	1.0	
20cm maximum	20.0	
20cm minimum	2.1	
30cm maximum	19.4	
30cm minimum	3.1	
50cm maximum	18.8	
50cm minimum	4.1	
100cm maximum	16.5	
100cm minimum	5.3	
Sunshine (hr)		
Mean daily sunshine amount	4.34	4.18
Total sunshine	1585.3	1529.8 Slightly sunnier than average - May, then April, were the sunniest months
Maximum daily sunshine	15.0	14.7
Number of sunless days	67	67.7
No. of days with over 12h	16	16.4
Precipitation (mm)		
Total fall	601.0	660.7 Rainfall lower than average but not as dry as in 2010
Highest daily total	42.0	33.7
No. of days with 0.2mm or more	146	157
No. of days with 1.0mm or more	100	115
No. of days with 5.0mm or more	40	43.9
Number of days with		
Snow or sleet falling	4	12.2 The fewest snow days since 2002
50% snow cover on ground at 0900GMT	0	5.0
Hail or ice pellets falling	2	4.8
Thunder heard	4	13.0 The lowest number of thunder days since before 1936
Fog at 0900GMT	3	9.4 These foggy mornings were all in November
Air frost	25	40.0 The fewest air frosts since 2002
Ground frost	67	88.6
Gale	0	1.2
Air pressure		
Mean at 0900GMT		1016.0
Miscellaneous		
Mean relative humidity at 0900GMT	81	82.0
Number of hours with rain	459.2	543.9
Number of hours with air frost	92.1	301.1
Most hours of rain in a day		
Mean cloud cover at 0700GMT (eighths)	5.9	5.6
Mean wind speed at 0700GMT (knots)	5.0	5.1
Total piche evaporation (ml)		564.8
Greatest daily evaporation (ml)		

Climatological normals refer to 1981-2010