

BOGNOR REGIS  
METEOROLOGICAL OBSERVATIONS  
OCTOBER 2002

RAINFALL

61.1mm (2.41ins) on 20 days.  
Greatest fall in 24 hours (09-09h) - 17.0mm (0.67ins) on 26th.  
October 2001 total rainfall -147.8mm (5.82ins) on 16 days.  
January to October 2002 - 654.9mm (25.78ins)  
January to October 2001 - 686.7mm (27.03ins)

TEMPERATURES

Highest Maximum	-	19.9 <sup>o</sup> C (67.8 <sup>o</sup> F)	on 3rd.
Lowest Maximum	-	9.1 <sup>o</sup> C (48.3 <sup>o</sup> F)	on 18th.
Highest Minimum	-	14.2 <sup>o</sup> C (57.5 <sup>o</sup> F)	on 22nd.
Lowest Minimum	-	-0.3 <sup>o</sup> C (31.4 <sup>o</sup> F)	on 19th.
Lowest Grass	-	-2.9 <sup>o</sup> C (26.7 <sup>o</sup> F)	on 19th.

SUNSHINE

October 2002 - 115.7 hours on 27 days.  
October 2001 - 113.1 hours on 27 days.  
Maximum sunshine in 24 hours - 9.2 hours on 6th.  
January to October 2002 - 1709.1 hours.  
January to October 2001 - 1687.5 hours.

SUMMARY

October was generally wet and windy. Rainfall was recorded on 18 out of the last 20 days of the month, but the quantities were in the main lower than that of most places in the south of the U.K. Double figures (17.0mm) being recorded on only one occasion. There were many windy days during the month culminating in the stormy weekend of 26/27. Once again the area fared better than most being unable to compete with record wind gusts of 80 m.p.h. or so reported in neighbouring counties.

The month began with the high pressure which had been static over the U.K. for the greater part of the previous month, moving away eastwards to be replaced by an area of low pressure. During the night 1/2 frontal activity brought the first rain to the area (4.1mm) for three weeks. High pressure returned on 4th to bring dry settled weather and a fair amount of sunshine. It was warm. High pressure moved eastwards on the 8th. The weather became much cooler and cloudier. The weather continued changeable. On 15th, frontal activity brought rain and strong to gale force winds. On 19th, pressure rose to bring a fine sunny day. Clear skies during the silent hours brought the first Autumn air frost albeit light (-0.3<sup>o</sup>C). On 20th, low pressure took over. The weather became very unsettled with showers and strong winds. Sunshine was also in short supply. The weather continued changeable with sunshine remaining hard to find. On 26/27, severe gales swept along the south coast. There were heavy showers and gusts of wind up to 70m.p.h. reported. A repeat of 1987 although feared did not materialise. A calm sunny day followed the weekend gales but subsequently the weather continued unsettled through to the end of the month.

The total rainfall of 61.1mm was surprisingly below the seasonal average of 83.62mm.

The total sunshine hours of 115.7 fell short of the seasonal average of 127.9 hours.

The mean maximum temperature of 15.1<sup>o</sup>C was well above its seasonal average of 14.4<sup>o</sup>C whereas the mean minimum of 8.3<sup>o</sup>C was below its seasonal average of 9.1<sup>o</sup>C

A.E.S.

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