

BOGNOR REGIS  
METEOROLOGICAL OBSERVATIONS  
JULY 2002

RAINFALL

81.2mm (3.20ins) on 13 days.  
Greatest fall in 24 hours (09-09h) - 29.2mm (1.15ins) on 2nd.  
July 2001 total rainfall - 38.3mm (1.51ins) on 12 days.  
January to July 2002 - 485.4mm (19.11ins)  
January to July 2001 - 419.3mm (16.51ins)

TEMPERATURES

Highest Maximum	-	27.5 <sup>o</sup> C (81.5 <sup>o</sup> F)	on 28th.
Lowest Maximum	-	16.2 <sup>o</sup> C (61.2 <sup>o</sup> F)	on 7th.
Highest Minimum	-	18.0 <sup>o</sup> C (64.4 <sup>o</sup> F)	on 29th.
Lowest Minimum	-	10.0 <sup>o</sup> C (50.0 <sup>o</sup> F)	on 4th.
Lowest Grass	-	7.5 <sup>o</sup> C (45.5 <sup>o</sup> F)	on 22nd.

SUNSHINE

July 2002 - 235.1 hours on 29 days.  
July 2001 - 277.1 hours on 31 days.  
Maximum sunshine in 24 hours - 14.9 hours on 14th.  
January to July 2002 - 1161.2 hours.  
January to July 2001 - 1202.1 hours.

SUMMARY

July will go down as a very wet month with the total rainfall almost double the seasonal average of 42.5mm. Of the month's total of 81.2mm, 67.1mm were recorded during the first ten days and in fact the monthly seasonal average was surpassed by the 7th of the month. With all the signs set for a disastrous wet month, the rain stopped on the 12th and there followed a sequence of 17 dry days during which there were many hot and sunny periods. The rain returned on 30th. Temperatures were well above the average during two hot spells during the month which did much to raise the overall mean totals for the month to almost on par to the seasonal average.

The month began with low pressure dominating the weather scene. Frontal activity brought prolonged rainfall to the area, sometimes heavy, during the afternoon and evening of the 2nd, to continue during the night 2/3 (29.2mm). There was some local flooding. The weather continued unsettled with active weather fronts bringing daily falls of rain. Although overall the weather remained unsettled, the coastal strip was spared the forecast heavy showers on 10th and 11th. Bognor Regis was the sunniest place in the U.K. on 11th with 14.3 hours. On 13th, a ridge of high pressure extending from the Azores positioned itself over the south of the U.K. to raise temperatures and to bring more settled weather. It continued settled with warm sunny days taking over the weather scene. From 24th to 28th it was exceptionally warm with the warmest day of the month at 27.5<sup>o</sup>C on 28th. However, low pressure took over again on 29th. Frontal activity brought rain (12.3mm) during the night 30/31 to end the month, really the way it began.

The rainfall total of 81.2mm was almost double the seasonal average of 42.57mm. It was the wettest July since 1992 (86.9mm) with the previous wettest 1980 (95.6mm)

The sunshine total of 235.1 hours fell four hours short of the seasonal average of 239.1 hours.

The mean maximum temperature of 20.1<sup>o</sup>C and minimum of 13.6<sup>o</sup>C were both almost on par with their respective seasonal averages of 20.2<sup>o</sup>C and 13.6<sup>o</sup>C.