



Weather chart for 1200 UTC on 16 August 2004

Daily weather extremes

Highest Maximum Temperature:
24.4 °C at Coltishall (Norfolk)

Lowest Maximum Temperature:
14.6 °C at Lerwick (Shetland)

Lowest Minimum Temperature:
9.0 °C at Aboyne (Aberdeenshire)

Lowest Grass Minimum Temperature:
5.6 °C at Aboyne (Aberdeenshire)

Most Rainfall:
200.4 mm at Otterham (Cornwall)

Most Sunshine:
10.6 hours at Moel-Y-Crio (Clwyd)

General summary

Overnight there were a few clear intervals, but on the whole it was cloudy. Outbreaks of heavy rain were already affecting much of Northern Ireland down through Wales, with another spell affecting parts of Southeast England. In the southeast this cleared through overnight, but the former continued slowly northeast across Northern England and into Southwest and Central Scotland, some of it heavy and thundery.

During the day there were some bright or sunny spells, but the rain was slow to clear northwards from Scotland, whilst elsewhere showers developed. There were some prolonged, torrential and thundery downpours especially across Southern England. There were reports of severe flooding across parts of North Cornwall, with up to 7 inches of rainfall falling, with one particular line of intense storms running northeastwards from St Ives up towards the Cardiff region. Heavy thundery showers rumbled on into the evening, especially across Northern Ireland, Wales and the Southwest and in a line running across the North Midlands into Lincolnshire.

Temperatures were mostly near normal. Winds were mostly gentle or moderate southerly, but variable across the north.

Significant weather event

Heavy, thundery downpours developed by midday across southwest England. These showers formed bands which aligned themselves with the wind helping to maintain the heavy rain across certain areas of north Cornwall for several hours. The trigger mechanisms for these storms appeared to be convergence of winds along the coast and the high ground in the local area which also helped to generate showers. It would appear that the serious nature of these floods was exacerbated by the local topography around Boscastle.

24-hour rainfall totals

	Rainfall	
	(mm)	(in.)
Otterham (Cornwall)	200.4	7.89
Trevallec, Lesnewth (Cornwall)	184.9	7.28
Creddacott (Cornwall)	123.0	4.84
Slaughterbridge (Cornwall)	76.5	3.01
Bude (Cornwall)	46.7	1.84
Treknow (Cornwall)	31.3	1.23
North Tamerton (Cornwall)	26.8	1.06

Daily weather statistics

	London	Edinburgh	Cardiff	Belfast
Maximum Temperature/°C:	22.1	21.1	21.5	20.3
Minimum Temperature/°C:	17.0	12.9	16.6	12.1
Rainfall Amount/mm:	6.6	1.8	1.4	0.0 (trace)
Sunshine Amount/hours:	3.6	4.6	5.2	8.0