

## School of Earth Sciences and Geography Keele University : Weather Data

Lat. 52° 59' 55 N    Long. 2° 16' 05 W :  
OS Grid Ref : SJ 820447; Alt. 179m (587ft) O.D.

### Summary of Climate Data for :-

October 2011

		From norm	Day	Comments
Mean Air Temp (°C)	11.8	2.1		
Mean Air Maximum (°C)	15.0	2.1		
Mean Air Minimum (°C)	8.5	2.1		
Highest Maximum (°C)	26.8		1	
Lowest Maximum (°C)	8.5		19	
Highest Minimum (°C)	15.8		1	
Lowest Minimum (°C)	2.4		20	
Mean Grass Minimum (°C)	6.8			
Lowest Grass Minimum (°C)	-0.7		20	
Mean Concrete Minimum (°C)	7.7			
Lowest Concrete Minimum (°C)	1.5		20	
Mean 10cm. Soil Temp (°C)	10.8	1.0		
Mean 30cm. Soil Temp (°C)	12.4	1.8		
Mean 100cm. Soil Temp (°C)	12.9	1.0		
Air Frost (days)	0	-1		
Ground Frost (days)	1	-5		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	2			
Rainfall (mm)	55.2	-15.7		
Days with 0.2mm or more	17	0		
Days with 1.0mm or more	11	-2		
Days with 5.0mm or more	3			
Greatest fall in one day (mm)	12.6		6	
Relative Humidity (%)	88			
Sunshine (hours)	97.3	9.9		
Sunniest Day (hours)	7.0		1	
Days with Nil Sunshine	1	-6		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

### Supplied by:

School of Earth Sciences and Geography, Keele University  
Keele, Staffordshire, ST5 5BG

tel : 01782 583169  
email : m.b.edge@keele.ac.uk

**Summary of Wind Data for :-**

**October 2011**

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	139	18.7%
Gusts of 34Knots (39mph) or over	1	

**Mean Wind Speed (Knots)** 6.4

Highest Hourly Mean Velocity	Knots	Date	Time
	16	10	2
		10	9
		10	10
		24	11
		24	17

**Highest Gust** 35 24 17

**Percentage Time vs Wind Direction**

