

## 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 :-

September 2013

		From norm	Day	Comments
Mean Air Temp (°C)	13.1	0.4		
Mean Air Maximum (°C)	16.7	0.4		
Mean Air Minimum (°C)	9.4	0.3		
Highest Maximum (°C)	22.8		4	
Lowest Maximum (°C)	10.4		17	
Highest Minimum (°C)	12.8		25	
Lowest Minimum (°C)	5.3		15	
Mean Grass Minimum (°C)	7.5			
Lowest Grass Minimum (°C)	1.8		8	
Mean Concrete Minimum (°C)	8.7			
Lowest Concrete Minimum (°C)	4.3		16	
Mean 10cm. Soil Temp (°C)	13.5	0.1		
Mean 30cm. Soil Temp (°C)	14.7	1.2		
Mean 100cm. Soil Temp (°C)	14.5	1.0		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	3			
Rainfall (mm)	45.2	-23.9		
Days with 0.2mm or more	16	1		
Days with 1.0mm or more	12	1		
Days with 5.0mm or more	2			
Greatest fall in one day (mm)	8.6		5	
Relative Humidity (%)	87			
Sunshine (hours)	123.8	11.8		
Sunniest Day (hours)	9.4		4	
Days with Nil Sunshine	0	-4		
Mean Barometric Pressure (mb)				
Maxima (mb)				
Minima (mb)				

**Summary of Wind Data for :-**

**September 2013**

Force	Total	%
Hours of Calm	2	0.3%
Hours of 10 Knots (12mph) or over	63	8.8%
Gusts of 34Knots (39mph) or over	0	

**Mean Wind Speed (Knots)** 5.4

Highest Hourly Mean Velocity	Knots	Date	Time
	13	19	15
		19	17

Highest Gust	Knots	Date	Time
	27	15	16
		16	10
		16	11
		28	21

**Percentage Time vs Wind Direction**

