

## 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 :-

August 2013

		From norm	Day	Comments
Mean Air Temp (°C)	16.0	1.1		
Mean Air Maximum (°C)	20.0	1.2		
Mean Air Minimum (°C)	11.9	0.9		
Highest Maximum (°C)	28.2		1	
Lowest Maximum (°C)	16.4		31	
Highest Minimum (°C)	15.3		15	
Lowest Minimum (°C)	8.6		31	
Mean Grass Minimum (°C)	10.0			
Lowest Grass Minimum (°C)	5.3		31	
Mean Concrete Minimum (°C)	11.5			
Lowest Concrete Minimum (°C)	6.9		31	
Mean 10cm. Soil Temp (°C)	16.3	-0.1		
Mean 30cm. Soil Temp (°C)	17.2	1.8		
Mean 100cm. Soil Temp (°C)	15.8	1.9		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	10			
Rainfall (mm)	60.6	-17.8		
Days with 0.2mm or more	11	-4		
Days with 1.0mm or more	9	-3		
Days with 5.0mm or more	3			
Greatest fall in one day (mm)	28.6		15	
Relative Humidity (%)	80			
Sunshine (hours)	166.7	13.4		
Sunniest Day (hours)	8.5		26	
Days with Nil Sunshine	0	-3		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

## Summary of Wind Data for :-

August 2013

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	26	3.5%
Gusts of 34Knots (39mph) or over	0	

**Mean Wind Speed (Knots)** 4.9

Highest Hourly Mean Velocity	Knots	Date	Time
	12	12	16
		12	17

**Highest Gust** 24 12 17

## Percentage Time vs Wind Direction

