

## 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 :-

April 2013

		From norm	Day	Comments
Mean Air Temp (°C)	6.9	-0.4		
Mean Air Maximum (°C)	11.1	0.1		
Mean Air Minimum (°C)	2.6	-0.9		
Highest Maximum (°C)	16.1		24	
Lowest Maximum (°C)	4.3		1	
Highest Minimum (°C)	8.5		15 & 16	
Lowest Minimum (°C)	-2.0		6	
Mean Grass Minimum (°C)	-0.1			
Lowest Grass Minimum (°C)	-5.8		7	
Mean Concrete Minimum (°C)	1.0			
Lowest Concrete Minimum (°C)	-4.2		3	
Mean 10cm. Soil Temp (°C)	6.7	-1.3		
Mean 30cm. Soil Temp (°C)	6.3	-0.9		
Mean 100cm. Soil Temp (°C)	5.6	-0.8		
Air Frost (days)	8	4		
Ground Frost (days)	18	5		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	12.4	-42.6		
Days with 0.2mm or more	10	-5		
Days with 1.0mm or more	5	-6		
Days with 5.0mm or more	0			
Greatest fall in one day (mm)	3.2		28	
Relative Humidity (%)	75			
Sunshine (hours)	153.7	23.7		
Sunniest Day (hours)	8.7		20	
Days with Nil Sunshine	0	-4		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

## Summary of Wind Data for :-

April 2013

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	186	25.8%
Gusts of 34Knots (39mph) or over	9	

**Mean Wind Speed (Knots)** 7.3

Highest Hourly Mean Velocity	Knots	Date	Time
	16	4	16
		16	12
		16	13

Highest Gust	Knots	Date	Time
	37	18	0
		18	1

## Percentage Time vs Wind Direction

