

## 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 2011

		From norm	Day	Comments
Mean Air Temp (°C)	11.6	4.3		
Mean Air Maximum (°C)	16.2	5.2		
Mean Air Minimum (°C)	7.0	3.5		
Highest Maximum (°C)	21.4		21 & 22	
Lowest Maximum (°C)	10.6		13	
Highest Minimum (°C)	12.0		23	
Lowest Minimum (°C)	1.9		28	
Mean Grass Minimum (°C)	4.3			
Lowest Grass Minimum (°C)	-2.1		4	
Mean Concrete Minimum (°C)	5.9			
Lowest Concrete Minimum (°C)	1.1		28	
Mean 10cm. Soil Temp (°C)	10.6	2.6		
Mean 30cm. Soil Temp (°C)	10.9	3.7		
Mean 100cm. Soil Temp (°C)	9.1	2.7		
Air Frost (days)	0	-4		
Ground Frost (days)	4	-9		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	2			
Rainfall (mm)	2.6	-52.4		<b>RECORD</b>
Days with 0.2mm or more	5	-10		
Days with 1.0mm or more	1	-10		
Days with 5.0mm or more	0			
Greatest fall in one day (mm)	1		11	
Relative Humidity (%)	79			
Sunshine (hours)	218.7	88.7		
Sunniest Day (hours)	13.0		30	
Days with Nil Sunshine	1	-3		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

### Supplied by:

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## Summary of Wind Data for :-

April 2011

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	41	5.7%
Gusts of 34Knots (39mph) or over	0	

**Mean Wind Speed (Knots)** 6.2

Highest Hourly Mean Velocity	Knots	Date	Time
	17	30	20
		30	21

**Highest Gust** 32 30 19

## Percentage Time vs Wind Direction

