

## 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 :-

January 2012

		From norm	Day	Comments
Mean Air Temp (°C)	4.9	2.0		
Mean Air Maximum (°C)	7.6	2.3		
Mean Air Minimum (°C)	2.1	1.7		
Highest Maximum (°C)	11.9		11	
Lowest Maximum (°C)	1.0		31	
Highest Minimum (°C)	8.1		12	
Lowest Minimum (°C)	-2.2		17	
Mean Grass Minimum (°C)	0.0			
Lowest Grass Minimum (°C)	-6.0		17	
Mean Concrete Minimum (°C)	0.9			
Lowest Concrete Minimum (°C)	-3.0		17	
Mean 10cm. Soil Temp (°C)	3.5	1.0		
Mean 30cm. Soil Temp (°C)	5.1	1.8		
Mean 100cm. Soil Temp (°C)	6.7	1.0		
Air Frost (days)	9	-5		
Ground Frost (days)	16	-5		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	66.8	-4.2		
Days with 0.2mm or more	21	3		
Days with 1.0mm or more	13	0		
Days with 5.0mm or more	6			
Greatest fall in one day (mm)	9.8		2	
Relative Humidity (%)	91			
Sunshine (hours)	86.1	42.1		
Sunniest Day (hours)	6.5		16	
Days with Nil Sunshine	3	-11		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Supplied by:

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**Summary of Wind Data for :-****January 2012**

<b>Force</b>	<b>Total</b>	<b>%</b>		
Hours of Calm	0	0.0%		
Hours of 10 Knots (12mph) or over	135	18.2%		
Gusts of 34Knots (39mph) or over	43			
<b>Mean Wind Speed (Knots)</b>	7.5			
<b>Highest Hourly Mean Velocity</b>	<b>Knots</b>	<b>Date</b>	<b>Time</b>	
	22	5	5	
<b>Highest Gust</b>	53	5	7	
<b>No Direction data available</b>				