

## 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 :-

December 2016

		From norm	Day	Comments
Mean Air Temp (°C)	5.5	1.5		
Mean Air Maximum (°C)	8.3	1.8		
Mean Air Minimum (°C)	2.7	1.2		
Highest Maximum (°C)	13.4		9	
Lowest Maximum (°C)	3.6		27	
Highest Minimum (°C)	9.0		8	
Lowest Minimum (°C)	-1.5		28	
Mean Grass Minimum (°C)	0.2			
Lowest Grass Minimum (°C)	-7.0		28	
Mean Concrete Minimum (°C)	2.1			
Lowest Concrete Minimum (°C)	-2.6		28	
Mean 10cm. Soil Temp (°C)	4.8	1.3		
Mean 30cm. Soil Temp (°C)	6.2	1.6		
Mean 100cm. Soil Temp (°C)	8.2	0.9		
Air Frost (days)	7	-4		
Ground Frost (days)	19	1		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	42.8	-27.9		
Days with 0.2mm or more	24	5		
Days with 1.0mm or more	10	-3		
Days with 5.0mm or more	3			
Greatest fall in one day (mm)	8.6		10	
Relative Humidity (%)	94			
Sunshine (hours)	58.8	18.2		
Sunniest Day (hours)	5.9		29	
Days with Nil Sunshine	11	-4		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

### Supplied by:

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**Summary of Wind Data for :-**

**December 2016**

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	49	6.6%
Gusts of 34Knots (39mph) or over	0	

**Mean Wind Speed (Knots)** 5.1

Highest Hourly Mean Velocity	Knots	Date	Time
	17	25	2

Highest Gust	31	25	2
		25	10
		25	14
		26	14

**Percentage Time vs Wind Direction**

