

## 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 2024

		From norm	Day	Comments
Mean Air Temp (°C)	4.0	1.1		
Mean Air Maximum (°C)	6.6	1.3		
Mean Air Minimum (°C)	1.4	1.0		
Highest Maximum (°C)	13.1		23	
Lowest Maximum (°C)	1.5		17	
Highest Minimum (°C)	6.0		22	
Lowest Minimum (°C)	-6.1		18	
Mean Grass Minimum (°C)	-0.9			
Lowest Grass Minimum (°C)	-12.1		18	
Mean Concrete Minimum (°C)	0.9			
Lowest Concrete Minimum (°C)	-3.8		18	
Mean 10cm. Soil Temp (°C)	3.4	0.9		
Mean 30cm. Soil Temp (°C)	5.2	1.9		
Mean 100cm. Soil Temp (°C)	7.1	1.4		
Air Frost (days)	8	-6		
Ground Frost (days)	18	-3		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	83.8	12.8		
Days with 0.2mm or more	21	3		
Days with 1.0mm or more	10	-3		
Days with 5.0mm or more	6			
Greatest fall in one day (mm)	25.4		2	
Relative Humidity (%)	90			
Sunshine (hours)	74.4	30.4		
Sunniest Day (hours)	7.0		20	
Days with Nil Sunshine	3	-11		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

**Summary of Wind Data for :-**

**January 2024**

Force	Total	%	
Hours of Calm	0		
Hours of 10 Knots (12mph) or over	78		
Gusts of 34Knots (39mph) or over	2		
<b>Mean Wind Speed (Knots)</b>	<b>5.8</b>		
<b>Highest Hourly Mean Velocity</b>	<b>17</b>	<b>Date</b>	<b>Time</b>
		13	0
<b>Highest Gust</b>	<b>34</b>	12	12
		13	

**Percentage Time vs Wind Direction**

