

# 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 2023

		From norm	Day	Comments
Mean Air Temp (°C)	4.6	1.7		
Mean Air Maximum (°C)	7.4	2.1		
Mean Air Minimum (°C)	1.8	1.4		
Highest Maximum (°C)	12.0		3	
Lowest Maximum (°C)	1.9		22	
Highest Minimum (°C)	6.8		4	
Lowest Minimum (°C)	-4.8		22	
Mean Grass Minimum (°C)	-0.6			
Lowest Grass Minimum (°C)	-9.9		19	
Mean Concrete Minimum (°C)	1.1			
Lowest Concrete Minimum (°C)	-3.5		22	
Mean 10cm. Soil Temp (°C)	4.3	1.8		
Mean 30cm. Soil Temp (°C)	5.3	2.0		
Mean 100cm. Soil Temp (°C)	6.9	1.2		
Air Frost (days)	10	-4		
Ground Frost (days)	17	-4		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	56.8	-14.2		
Days with 0.2mm or more	25	7		
Days with 1.0mm or more	13	0		
Days with 5.0mm or more	5			
Greatest fall in one day (mm)	8		11	
Relative Humidity (%)	93			
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			

Supplied by:

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## Summary of Wind Data for :-

January 2023

Force	Total	%
Hours of Calm	0	
Hours of 10 Knots (12mph) or over	78	
Gusts of 34Knots (39mph) or over	2	

**Mean Wind Speed (Knots)** 5.8

	Knots	Date	Time
<b>Highest Hourly Mean Velocity</b>	17	13	0
<b>Highest Gust</b>	34	12	12
		13	

## Percentage Time vs Wind Direction

