

# 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 :-

**October 2022**

		From norm	Day	Comments
Mean Air Temp (°C)	12.1	2.4		
Mean Air Maximum (°C)	15.4	2.5		
Mean Air Minimum (°C)	8.8	2.4		
Highest Maximum (°C)	17.7		29	
Lowest Maximum (°C)	13.4		20	
Highest Minimum (°C)	13.8		5	
Lowest Minimum (°C)	4.5		18	
Mean Grass Minimum (°C)	5.9			
Lowest Grass Minimum (°C)	-0.3		18	
Mean Concrete Minimum (°C)	8.1			
Lowest Concrete Minimum (°C)	3.4		18	
Mean 10cm. Soil Temp (°C)	11.1	1.3		
Mean 30cm. Soil Temp (°C)	12.3	1.7		
Mean 100cm. Soil Temp (°C)	13.0	1.1		
Air Frost (days)	0	-1		
Ground Frost (days)	3	-3		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	109	38.1		
Days with 0.2mm or more	21	4		
Days with 1.0mm or more	15	2		
Days with 5.0mm or more	8			
Greatest fall in one day (mm)	20.4		23	
Relative Humidity (%)	89			
Sunshine (hours)	115.3	27.9		
Sunniest Day (hours)	7.8		17	
Days with Nil Sunshine	1	-6		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

## Summary of Wind Data for :-

October 2022

Force	Total	%
Hours of Calm	4	
Hours of 10 Knots (12mph) or over	36	
Gusts of 34Knots (39mph) or over	0	

**Mean Wind Speed (Knots)** 5.0

	Knots	Date	Time
<b>Highest Hourly Mean Velocity</b>	15	19	18
<b>Highest Gust</b>	33	19	19

## Percentage Time vs Wind Direction

