

# 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 2019

		From norm	Day	Comments
Mean Air Temp (°C)	5.0	1.0		
Mean Air Maximum (°C)	7.6	1.1		
Mean Air Minimum (°C)	2.3	0.8		
Highest Maximum (°C)	12.6		6	
Lowest Maximum (°C)	3.5		17	
Highest Minimum (°C)	6.7		29	
Lowest Minimum (°C)	-2.7		2	
Mean Grass Minimum (°C)	0.3			
Lowest Grass Minimum (°C)	-7.9		2	
Mean Concrete Minimum (°C)	1.9			
Lowest Concrete Minimum (°C)	-2.3		2	
Mean 10cm. Soil Temp (°C)	4.4	0.9		
Mean 30cm. Soil Temp (°C)	5.9	1.3		
Mean 100cm. Soil Temp (°C)	7.8	0.5		
Air Frost (days)	5	-6		
Ground Frost (days)	17	-1		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	84.4	13.7		
Days with 0.2mm or more	25	6		
Days with 1.0mm or more	18	5		
Days with 5.0mm or more	5			
Greatest fall in one day (mm)	14		12	
Relative Humidity (%)	94			
Sunshine (hours)	56.9	16.3		
Sunniest Day (hours)	6.0		3	
Days with Nil Sunshine	7	-8		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	DATA			
Minima (mb)	AVAILABLE			

## Summary of Wind Data for :-

December 2019

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	76	10.2%
Gusts of 34Knots (39mph) or over	1	

**Mean Wind Speed (Knots)** 5.6

	Knots	Date	Time
<b>Highest Hourly Mean Velocity</b>	15	9	4
		9	5

**Highest Gust** 34 9 4

## Percentage Time vs Wind Direction

