

# 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 :-

**August 2019**

		From norm	Day	Comments
Mean Air Temp (°C)	16.8	1.9		
Mean Air Maximum (°C)	21.0	2.2		
Mean Air Minimum (°C)	12.5	1.5		
Highest Maximum (°C)	30.2		25	
Lowest Maximum (°C)	15.9		16	
Highest Minimum (°C)	16.5		25	
Lowest Minimum (°C)	8.0		29	
Mean Grass Minimum (°C)	10.3			
Lowest Grass Minimum (°C)	3.5		29	
Mean Concrete Minimum (°C)	12.6			
Lowest Concrete Minimum (°C)	8.5		29	
Mean 10cm. Soil Temp (°C)	16.4	0.0		
Mean 30cm. Soil Temp (°C)	17.5	2.1		
Mean 100cm. Soil Temp (°C)	15.8	1.9		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	14			
Rainfall (mm)	89.6	11.2		
Days with 0.2mm or more	19	4		
Days with 1.0mm or more	14	2		
Days with 5.0mm or more	6			
Greatest fall in one day (mm)	20		8	
Relative Humidity (%)	82			
Sunshine (hours)	174.3	21.0		
Sunniest Day (hours)	11.0		24	
Days with Nil Sunshine	0	-3		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

## Summary of Wind Data for :-

August 2019

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	29	3.9%
Gusts of 34Knots (39mph) or over	0	

**Mean Wind Speed (Knots)** 5.1

	Knots	Date	Time
<b>Highest Hourly Mean Velocity</b>	15	10	14
<b>Highest Gust</b>	32	10	12

## Percentage Time vs Wind Direction

