

# 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 2021

		From norm	Day	Comments
Mean Air Temp (°C)	15.4	0.5		
Mean Air Maximum (°C)	18.7	-0.1		
Mean Air Minimum (°C)	12.0	1.0		
Highest Maximum (°C)	21.4		4 & 23	
Lowest Maximum (°C)	15.2		16 & 31	
Highest Minimum (°C)	15.1		21	
Lowest Minimum (°C)	8.2		3	
Mean Grass Minimum (°C)	10.1			
Lowest Grass Minimum (°C)	3.5		28	
Mean Concrete Minimum (°C)	12.1			
Lowest Concrete Minimum (°C)	8.0		3	
Mean 10cm. Soil Temp (°C)	16.1	-0.3		
Mean 30cm. Soil Temp (°C)	16.9	1.5		
Mean 100cm. Soil Temp (°C)	15.2	1.3		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	3			
Rainfall (mm)	52.2	-26.2		
Days with 0.2mm or more	16	1		
Days with 1.0mm or more	9	-3		
Days with 5.0mm or more	3			
Greatest fall in one day (mm)	14.2		5	
Relative Humidity (%)	82			
Sunshine (hours)	83.3	-70.0		
Sunniest Day (hours)	9.9		11	
Days with Nil Sunshine	1	-2		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

## Summary of Wind Data for :-

August 2021

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	27	5.0%
Gusts of 34Knots (39mph) or over	0	

**Mean Wind Speed (Knots)** 3.4

	Knots	Date	Time
<b>Highest Hourly Mean Velocity</b>	11.63	16	22

<b>Highest Gust</b>	25	13
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## Percentage Time vs Wind Direction

