

# 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 :-

July 2020

		From norm	Day	Comments
Mean Air Temp (°C)	14.9	-0.2		
Mean Air Maximum (°C)	18.5	-0.5		
Mean Air Minimum (°C)	11.2	0.1		
Highest Maximum (°C)	31.2		31	
Lowest Maximum (°C)	13.4		9	
Highest Minimum (°C)	15.7		31	
Lowest Minimum (°C)	6.2		12	
Mean Grass Minimum (°C)	9.4			
Lowest Grass Minimum (°C)	1.4		12	
Mean Concrete Minimum (°C)	11.5			
Lowest Concrete Minimum (°C)	5.5		21	
Mean 10cm. Soil Temp (°C)	15.5	-1.9		
Mean 30cm. Soil Temp (°C)	15.7	0.2		
Mean 100cm. Soil Temp (°C)	13.9	0.9		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	4			
Rainfall (mm)	64.8	-0.6		
Days with 0.2mm or more	18	4		
Days with 1.0mm or more	13	2		
Days with 5.0mm or more	4			
Greatest fall in one day (mm)	15.8		8	
Relative Humidity (%)	81			
Sunshine (hours)	143.5	-20.8		
Sunniest Day (hours)	12.7		30	
Days with Nil Sunshine	3	1		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

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## Summary of Wind Data for :-

July 2020

Force	Total	%
Hours of Calm	1	0.1%
Hours of 10 Knots (12mph) or over	38	5.1%
Gusts of 34Knots (39mph) or over	0	

**Mean Wind Speed (Knots)** 5.5

	Knots	Date	Time
<b>Highest Hourly Mean Velocity</b>	14	W	15
<b>Highest Gust</b>	29	5	17

## Percentage Time vs Wind Direction

