

# 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 :-

May 2020

		From norm	Day	Comments
Mean Air Temp (°C)	12.1	1.5		
Mean Air Maximum (°C)	17.3	2.7		
Mean Air Minimum (°C)	6.8	0.3		
Highest Maximum (°C)	24.5		20	
Lowest Maximum (°C)	10.0		11	
Highest Minimum (°C)	12.0		22	
Lowest Minimum (°C)	-0.2		14	
Mean Grass Minimum (°C)	2.9			
Lowest Grass Minimum (°C)	-6.8		14	
Mean Concrete Minimum (°C)	6.4			
Lowest Concrete Minimum (°C)	0.5		14	
Mean 10cm. Soil Temp (°C)	12.4	0.1		
Mean 30cm. Soil Temp (°C)	12.3	1.6		
Mean 100cm. Soil Temp (°C)	10.5	1.8		
Air Frost (days)	1	1		
Ground Frost (days)	10	6		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	9			
Rainfall (mm)	28.4	-34.2		
Days with 0.2mm or more	3	-13		
Days with 1.0mm or more	3	-9		
Days with 5.0mm or more	1			
Greatest fall in one day (mm)	25.2		9	
Relative Humidity (%)	67			
Sunshine (hours)	276.2	101.5		
Sunniest Day (hours)	14.5		29	
Days with Nil Sunshine	0	-3		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Supplied by:

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## Summary of Wind Data for :-

May 2020

Force	Total	%
Hours of Calm	1	0.1%
Hours of 10 Knots (12mph) or over	44	5.9%
Gusts of 34Knots (39mph) or over	1	

**Mean Wind Speed (Knots)** 5.8

	Knots	Date	Time
<b>Highest Hourly Mean Velocity</b>	15	22	14
		23	11

**Highest Gust** 34 22 16

## Percentage Time vs Wind Direction

