

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 :-

October 2023

		From norm	Day	Comments
Mean Air Temp (°C)	11.5	1.8		
Mean Air Maximum (°C)	14.5	1.6		
Mean Air Minimum (°C)	8.4	2.0		
Highest Maximum (°C)	22.0		8	
Lowest Maximum (°C)	10.3		16	
Highest Minimum (°C)	14.6		11	
Lowest Minimum (°C)	1.1		15	
Mean Grass Minimum (°C)	6.5			
Lowest Grass Minimum (°C)	-2.0		15	
Mean Concrete Minimum (°C)	9.3			
Lowest Concrete Minimum (°C)	3.8		25	
Mean 10cm. Soil Temp (°C)	12.5	2.7		
Mean 30cm. Soil Temp (°C)	13.4	2.8		
Mean 100cm. Soil Temp (°C)	13.9	2.0		
Air Frost (days)	0	-1		
Ground Frost (days)	4	-2		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	1			
Rainfall (mm)	152	81.1		
Days with 0.2mm or more	23	6		
Days with 1.0mm or more	17	4		
Days with 5.0mm or more	9			
Greatest fall in one day (mm)	26.2		20	
Relative Humidity (%)	93			
Sunshine (hours)	92.1	4.7		
Sunniest Day (hours)	7.6		15	
Days with Nil Sunshine	1	-6		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Supplied by:

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Summary of Wind Data for :-

October 2023

Force	Total	%
Hours of Calm	3	
Hours of 10 Knots (12mph) or over	52	
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 4.8

	Knots	Date	Time
Highest Hourly Mean Velocity	14	17	13
Highest Gust	30	18	4
		20	14

Percentage Time vs Wind Direction

