

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 :-

December 2023

		From norm	Day	Comments
Mean Air Temp (°C)	6.2	2.2		
Mean Air Maximum (°C)	8.6	2.1		
Mean Air Minimum (°C)	3.7	2.2		
Highest Maximum (°C)	13.3		24	
Lowest Maximum (°C)	0.2		2	
Highest Minimum (°C)	8.8		18	
Lowest Minimum (°C)	-7.4		2	
Mean Grass Minimum (°C)	1.9			
Lowest Grass Minimum (°C)	-11.8		2	
Mean Concrete Minimum (°C)	3.1			
Lowest Concrete Minimum (°C)	-3.9		2	
Mean 10cm. Soil Temp (°C)	5.9	2.4		
Mean 30cm. Soil Temp (°C)	6.6	2.0		
Mean 100cm. Soil Temp (°C)	8.3	1.0		
Air Frost (days)	6	-5		
Ground Frost (days)	7	-11		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	124.4	53.7		
Days with 0.2mm or more	25	6		
Days with 1.0mm or more	19	6		
Days with 5.0mm or more	9			
Greatest fall in one day (mm)	18.2		4	
Relative Humidity (%)	93			
Sunshine (hours)	35.0	-5.6		
Sunniest Day (hours)	6.1		1	
Days with Nil Sunshine	12	-3		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Summary of Wind Data for :-

December 2023

Force	Total	%
Hours of Calm	0	
Hours of 10 Knots (12mph) or over	198	
Gusts of 34Knots (39mph) or over	24	

Mean Wind Speed (Knots) 7.2

	Knots	Date	Time
Highest Hourly Mean Velocity	19.2	0	0

Highest Gust 41.42

Percentage Time vs Wind Direction

