

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 2022

		From norm	Day	Comments
Mean Air Temp (°C)	3.1	-0.9		
Mean Air Maximum (°C)	5.9	-0.6		
Mean Air Minimum (°C)	0.3	-1.2		
Highest Maximum (°C)	13.3		19	
Lowest Maximum (°C)	-0.6		12	
Highest Minimum (°C)	7.0		31	
Lowest Minimum (°C)	-7.3		14	
Mean Grass Minimum (°C)	-2.0			
Lowest Grass Minimum (°C)	-12.2		15	
Mean Concrete Minimum (°C)	0.2			
Lowest Concrete Minimum (°C)	-5.2		15	
Mean 10cm. Soil Temp (°C)	3.4	-0.1		
Mean 30cm. Soil Temp (°C)	5.0	0.4		
Mean 100cm. Soil Temp (°C)	7.8	0.5		
Air Frost (days)	13	2		
Ground Frost (days)	17	-1		
Ice Days (below 0°C)	2			
Hot Days (over 21°C)	0			
Rainfall (mm)	61.8	-8.9		
Days with 0.2mm or more	21	2		
Days with 1.0mm or more	11	-2		
Days with 5.0mm or more	6			
Greatest fall in one day (mm)	10.2		30	
Relative Humidity (%)	95			
Sunshine (hours)	73.9	33.3		
Sunniest Day (hours)	6.4		14	
Days with Nil Sunshine	8	-7		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Summary of Wind Data for :-

December 2022

Force	Total	%
Hours of Calm	0	
Hours of 10 Knots (12mph) or over	32	
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 4.7

	Knots	Date	Time
Highest Hourly Mean Velocity	16.26	26	1
Highest Gust	31.35	26	1

Percentage Time vs Wind Direction

