

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 :-

January 2022

		From norm	Day	Comments
Mean Air Temp (°C)	4.3	1.4		
Mean Air Maximum (°C)	7.1	1.8		
Mean Air Minimum (°C)	1.4	1.0		
Highest Maximum (°C)	13.2		1	
Lowest Maximum (°C)	1.4		24	
Highest Minimum (°C)	9.9		1	
Lowest Minimum (°C)	-2.4		6	
Mean Grass Minimum (°C)	-0.5			
Lowest Grass Minimum (°C)	-7.5		21	
Mean Concrete Minimum (°C)	0.4			
Lowest Concrete Minimum (°C)	-4.2		21	
Mean 10cm. Soil Temp (°C)	3.9	1.4		
Mean 30cm. Soil Temp (°C)	5.2	1.9		
Mean 100cm. Soil Temp (°C)	6.9	1.2		
Air Frost (days)	7	-7		
Ground Frost (days)	19	-2		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	27.2	-43.8		
Days with 0.2mm or more	22	4		
Days with 1.0mm or more	9	-4		
Days with 5.0mm or more	1			
Greatest fall in one day (mm)	5		8	
Relative Humidity (%)	89			
Sunshine (hours)	70.1	26.1		
Sunniest Day (hours)	4.6		30	
Days with Nil Sunshine	1	-13		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Summary of Wind Data for :-

January 2022

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	72	9.7%
Gusts of 34Knots (39mph) or over	11	

Mean Wind Speed (Knots) 5.6

	Knots	Date	Time
Highest Hourly Mean Velocity	19	29	13
		31	3

Highest Gust 42 31 3

Percentage Time vs Wind Direction

