

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 2021

		From norm	Day	Comments
Mean Air Temp (°C)	5.4	1.4		
Mean Air Maximum (°C)	7.7	1.2		
Mean Air Minimum (°C)	3.1	1.6		
Highest Maximum (°C)	14.1		31	
Lowest Maximum (°C)	3.0		25	
Highest Minimum (°C)	11.8		31	
Lowest Minimum (°C)	-1.3		2	
Mean Grass Minimum (°C)	1.8			
Lowest Grass Minimum (°C)	-4.7		2	
Mean Concrete Minimum (°C)	3.5			
Lowest Concrete Minimum (°C)	-0.7		22	
Mean 10cm. Soil Temp (°C)	5.7	2.2		
Mean 30cm. Soil Temp (°C)	6.8	2.2		
Mean 100cm. Soil Temp (°C)	8.4	1.1		
Air Frost (days)	5	-6		
Ground Frost (days)	10	-8		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	85	14.3		
Days with 0.2mm or more	24	5		
Days with 1.0mm or more	16	3		
Days with 5.0mm or more	5			
Greatest fall in one day (mm)	21.6		4	
Relative Humidity (%)	94			
Sunshine (hours)	30.3	-10.3		
Sunniest Day (hours)	4.5		2	
Days with Nil Sunshine	6	-9		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Summary of Wind Data for :-

December 2021

Force	Total	%
Hours of Calm	2	0.3%
Hours of 10 Knots (12mph) or over	118	15.9%
Gusts of 34Knots (39mph) or over	1	

Mean Wind Speed (Knots) 6.2

	Knots	Date	Time
Highest Hourly Mean Velocity	16	1	3
Highest Gust	36	4	21

Percentage Time vs Wind Direction

