

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 :-

February 2024

		From norm	Day	Comments
Mean Air Temp (°C)	6.9	4.1		
Mean Air Maximum (°C)	9.8	5.3		
Mean Air Minimum (°C)	3.9	3.7		
Highest Maximum (°C)	14.7		15	
Lowest Maximum (°C)	5.6		7	
Highest Minimum (°C)	10.2		15	
Lowest Minimum (°C)	-1.5		24	
Mean Grass Minimum (°C)	2.2			
Lowest Grass Minimum (°C)	-5.4		24	
Mean Concrete Minimum (°C)	3.5			
Lowest Concrete Minimum (°C)	-0.8		24	
Mean 10cm. Soil Temp (°C)	5.7	3.2		
Mean 30cm. Soil Temp (°C)	6.8	3.6		
Mean 100cm. Soil Temp (°C)	7.3	2.4		
Air Frost (days)	2	-11		
Ground Frost (days)	12	-8		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	98.6	47.7		
Days with 0.2mm or more	23	8		
Days with 1.0mm or more	17	7		
Days with 5.0mm or more	5			
Greatest fall in one day (mm)	24.4		17	
Relative Humidity (%)	95			
Sunshine (hours)	1.0	-56.2		
Sunniest Day (hours)	0.4		28	
Days with Nil Sunshine	24	14		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Supplied by:

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Summary of Wind Data for :-

February 2024

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	95	13.6%
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 5.9

Highest Hourly Mean Velocity	Knots	Date	Time
	15	3	18

		4	2
		4	19
Highest Gust	33	4	21

Percentage Time vs Wind Direction

