

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 :-

September 2023

		From norm	Day	Comments
Mean Air Temp (°C)	16.2	3.5		
Mean Air Maximum (°C)	20.0	3.7		
Mean Air Minimum (°C)	12.4	3.3		
Highest Maximum (°C)	28.0		9	
Lowest Maximum (°C)	14.5		22	
Highest Minimum (°C)	18.6		9	
Lowest Minimum (°C)	6.7		22	
Mean Grass Minimum (°C)	9.9			
Lowest Grass Minimum (°C)	1.5		22	
Mean Concrete Minimum (°C)	12.9			
Lowest Concrete Minimum (°C)	8.5		22	
Mean 10cm. Soil Temp (°C)	16.1	2.7		
Mean 30cm. Soil Temp (°C)	16.8	3.3		
Mean 100cm. Soil Temp (°C)	15.5	2.0		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	10			
Rainfall (mm)	68.2	-0.9		
Days with 0.2mm or more	18	3		
Days with 1.0mm or more	13	2		
Days with 5.0mm or more	5			
Greatest fall in one day (mm)	18		11	
Relative Humidity (%)	87			
Sunshine (hours)	142.6	30.6		
Sunniest Day (hours)	11.6		4	
Days with Nil Sunshine	0	-4		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Summary of Wind Data for :-

September 2023

Force	Total	%
Hours of Calm	2	
Hours of 10 Knots (12mph) or over	11	
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 4.3

	Knots	Date	Time
Highest Hourly Mean Velocity	11	19	9
		19	13
Highest Gust	29	19	10

Percentage Time vs Wind Direction

