

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 :-

August 2023

		From norm	Day	Comments
Mean Air Temp (°C)	15.4	0.5		
Mean Air Maximum (°C)	19.1	0.3		
Mean Air Minimum (°C)	11.7	0.7		
Highest Maximum (°C)	25.7		10	
Lowest Maximum (°C)	13.7		5	
Highest Minimum (°C)	16.2		10	
Lowest Minimum (°C)	7.8		6	
Mean Grass Minimum (°C)	9.3			
Lowest Grass Minimum (°C)	3.8		9	
Mean Concrete Minimum (°C)	11.9			
Lowest Concrete Minimum (°C)	8.4		9	
Mean 10cm. Soil Temp (°C)	15.8	-0.6		
Mean 30cm. Soil Temp (°C)	16.8	1.4		
Mean 100cm. Soil Temp (°C)	15.3	1.4		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	9			
Rainfall (mm)	68	-10.4		
Days with 0.2mm or more	17	2		
Days with 1.0mm or more	13	1		
Days with 5.0mm or more	5			
Greatest fall in one day (mm)	12.4		4	
Relative Humidity (%)	85			
Sunshine (hours)	137.1	-16.2		
Sunniest Day (hours)	11.7		10	
Days with Nil Sunshine	0	-3		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Summary of Wind Data for :-

August 2023

Force	Total	%
Hours of Calm	4	
Hours of 10 Knots (12mph) or over	26	
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 4.9

	Knots	Date	Time
Highest Hourly Mean Velocity	12	18	16

Highest Gust	26	19	15
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Percentage Time vs Wind Direction

