

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 2021

		From norm	Day	Comments
Mean Air Temp (°C)	15.6	2.9		
Mean Air Maximum (°C)	19.4	3.1		
Mean Air Minimum (°C)	11.7	2.6		
Highest Maximum (°C)	27.9		8	
Lowest Maximum (°C)	12.5		28	
Highest Minimum (°C)	16.4		8	
Lowest Minimum (°C)	5.4		30	
Mean Grass Minimum (°C)	9.7			
Lowest Grass Minimum (°C)	1.8		30	
Mean Concrete Minimum (°C)	11.1			
Lowest Concrete Minimum (°C)	1.0		13	
Mean 10cm. Soil Temp (°C)	15.0	1.6		
Mean 30cm. Soil Temp (°C)	16.2	2.7		
Mean 100cm. Soil Temp (°C)	15.1	1.6		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	7			
Rainfall (mm)	81	11.9		
Days with 0.2mm or more	15	0		
Days with 1.0mm or more	10	-1		
Days with 5.0mm or more	5			
Greatest fall in one day (mm)	22.8		28	
Relative Humidity (%)	89			
Sunshine (hours)	128.1	16.1		
Sunniest Day (hours)	9.1		7	
Days with Nil Sunshine	0	-4		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Summary of Wind Data for :-

September 2021

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	8	1.1%
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 4.4

	Knots	Date	Time
Highest Hourly Mean Velocity	11	27	7

		29	13
		29	14
Highest Gust	26	27	6
		29	14

Percentage Time vs Wind Direction

