

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 :-

July 2023

		From norm	Day	Comments
Mean Air Temp (°C)	15.2	0.1		
Mean Air Maximum (°C)	19.0	0.0		
Mean Air Minimum (°C)	11.3	0.2		
Highest Maximum (°C)	25.5		7	
Lowest Maximum (°C)	16.2		18	
Highest Minimum (°C)	18.1		8	
Lowest Minimum (°C)	7.6		5 & 25	
Mean Grass Minimum (°C)	9.6			
Lowest Grass Minimum (°C)	4.0		21	
Mean Concrete Minimum (°C)	11.4			
Lowest Concrete Minimum (°C)	7.6		4	
Mean 10cm. Soil Temp (°C)	15.7	-1.7		
Mean 30cm. Soil Temp (°C)	16.5	1.0		
Mean 100cm. Soil Temp (°C)	14.8	1.8		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	4			
Rainfall (mm)	135	69.6		
Days with 0.2mm or more	24	10		
Days with 1.0mm or more	17	6		
Days with 5.0mm or more	12			
Greatest fall in one day (mm)	23.2		23	
Relative Humidity (%)	80			
Sunshine (hours)	146.7	-17.6		
Sunniest Day (hours)	11.0		7	
Days with Nil Sunshine	0	-2		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Summary of Wind Data for :-

July 2023

Force	Total	%
Hours of Calm	2	
Hours of 10 Knots (12mph) or over	25	
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 5.2

	Knots	Date	Time
Highest Hourly Mean Velocity	12	1	14

Highest Gust	25	8	3
		14	15
		16	
		29	9.00

Percentage Time vs Wind Direction

