

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 2020

		From norm	Day	Comments
Mean Air Temp (°C)	16.7	1.8		
Mean Air Maximum (°C)	20.7	1.9		
Mean Air Minimum (°C)	12.6	1.6		
Highest Maximum (°C)	29.8		12	
Lowest Maximum (°C)	13.8		29	
Highest Minimum (°C)	17.6		11	
Lowest Minimum (°C)	5.5		30	
Mean Grass Minimum (°C)	10.7			
Lowest Grass Minimum (°C)	1.0		31	
Mean Concrete Minimum (°C)	12.7			
Lowest Concrete Minimum (°C)	6.4		30	
Mean 10cm. Soil Temp (°C)	16.7	0.3		
Mean 30cm. Soil Temp (°C)	17.2	1.8		
Mean 100cm. Soil Temp (°C)	15.2	1.3		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	14			
Rainfall (mm)	138.2	59.8		
Days with 0.2mm or more	22	7		
Days with 1.0mm or more	14	2		
Days with 5.0mm or more	9			
Greatest fall in one day (mm)	41.2		12	
Relative Humidity (%)	84			
Sunshine (hours)	146.4	-6.9		
Sunniest Day (hours)	11.4		11	
Days with Nil Sunshine	0	-3		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	Data			
Minima (mb)	Available			

Summary of Wind Data for :-

August 2020

Force	Total	%
Hours of Calm	1	0.1%
Hours of 10 Knots (12mph) or over	35	4.7%
Gusts of 34Knots (39mph) or over	3	

Mean Wind Speed (Knots) 5.1

	Knots	Date	Time
Highest Hourly Mean Velocity	17	W	18
Highest Gust	38	21	14
		25	18

Percentage Time vs Wind Direction

