

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 2017

		From norm	Day	Comments
Mean Air Temp (°C)	14.8	-0.1		
Mean Air Maximum (°C)	18.8	0.0		
Mean Air Minimum (°C)	10.7	-0.3		
Highest Maximum (°C)	22.3		28	
Lowest Maximum (°C)	16.5		5	
Highest Minimum (°C)	15.4		23	
Lowest Minimum (°C)	6.2		31	
Mean Grass Minimum (°C)	8.5			
Lowest Grass Minimum (°C)	1.6		31	
Mean Concrete Minimum (°C)	11.0			
Lowest Concrete Minimum (°C)	6.6		31	
Mean 10cm. Soil Temp (°C)	15.3	-1.1		
Mean 30cm. Soil Temp (°C)	16.5	1.1		
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)	3			
Rainfall (mm)	67.2	-11.2		
Days with 0.2mm or more	21	6		
Days with 1.0mm or more	13	1		
Days with 5.0mm or more	4			
Greatest fall in one day (mm)	22.8		16	
Relative Humidity (%)	85			
Sunshine (hours)	173.6	20.3		
Sunniest Day (hours)	14.2		27	
Days with Nil Sunshine	0	-3		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Supplied by:

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Summary of Wind Data for :-

August 2017

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	23	3.1%
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 5.2

Highest Hourly Mean Velocity	Knots	Date	Time
	13	3	12

Highest Gust	27	3	12
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Percentage Time vs Wind Direction

