

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 2016

		From norm	Day	Comments
Mean Air Temp (°C)	16.1	1.2		
Mean Air Maximum (°C)	19.9	1.1		
Mean Air Minimum (°C)	12.2	1.2		
Highest Maximum (°C)	25.7		23	
Lowest Maximum (°C)	15.6		10	
Highest Minimum (°C)	14.9		7	
Lowest Minimum (°C)	8.1		9	
Mean Grass Minimum (°C)	10.3			
Lowest Grass Minimum (°C)	4.3		1	
Mean Concrete Minimum (°C)	12.5			
Lowest Concrete Minimum (°C)	8.6		9	
Mean 10cm. Soil Temp (°C)	16.5	0.1		
Mean 30cm. Soil Temp (°C)	17.3	1.9		
Mean 100cm. Soil Temp (°C)	15.9	2.0		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	8			
Rainfall (mm)	85	6.6		
Days with 0.2mm or more	16	1		
Days with 1.0mm or more	14	2		
Days with 5.0mm or more	5			
Greatest fall in one day (mm)	20.2		20	
Relative Humidity (%)	83			
Sunshine (hours)	170.4	17.1		
Sunniest Day (hours)	12.4		16	
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 2016

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	50	6.7%
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 5.7

Highest Hourly Mean Velocity	Knots	Date	Time
	13	12	13
		12	14

Highest Gust 27 3 18

Percentage Time vs Wind Direction

