

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 2012

		From norm	Day	Comments
Mean Air Temp (°C)	15.8	0.9		
Mean Air Maximum (°C)	19.5	0.7		
Mean Air Minimum (°C)	12.0	1.0		
Highest Maximum (°C)	24.0		10	
Lowest Maximum (°C)	15.6		29	
Highest Minimum (°C)	16.6		18	
Lowest Minimum (°C)	5.0		31	
Mean Grass Minimum (°C)	10.3			
Lowest Grass Minimum (°C)	1.7		31	
Mean Concrete Minimum (°C)	12.1			
Lowest Concrete Minimum (°C)	5.6		31	
Mean 10cm. Soil Temp (°C)	17.0	0.6		
Mean 30cm. Soil Temp (°C)	17.2	1.8		
Mean 100cm. Soil Temp (°C)	15.7	1.8		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	7			
Rainfall (mm)	99.8	21.4		
Days with 0.2mm or more	18	3		
Days with 1.0mm or more	15	3		
Days with 5.0mm or more	7			
Greatest fall in one day (mm)	18		29	
Relative Humidity (%)	83			
Sunshine (hours)	146.9	-6.4		
Sunniest Day (hours)	10.1		9	
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 2012

Force	Total	%
Hours of Calm	2	0.3%
Hours of 10 Knots (12mph) or over	25	3.4%
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 4.8

Highest Hourly Mean Velocity	Knots	Date	Time
	14	15	9
		15	10

Highest Gust 32 15 9

Percentage Time vs Wind Direction

