

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 :-

May 2011

		From norm	Day	Comments
Mean Air Temp (°C)	11.5	0.9		
Mean Air Maximum (°C)	15.5	0.9		
Mean Air Minimum (°C)	7.4	0.9		
Highest Maximum (°C)	20.3		6	
Lowest Maximum (°C)	11.6		30	
Highest Minimum (°C)	12.2		8	
Lowest Minimum (°C)	2.0		4	
Mean Grass Minimum (°C)	6.2			
Lowest Grass Minimum (°C)	-0.3		4	
Mean Concrete Minimum (°C)	7.3			
Lowest Concrete Minimum (°C)	1.3		4	
Mean 10cm. Soil Temp (°C)	12.3	0.0		
Mean 30cm. Soil Temp (°C)	12.6	1.9		
Mean 100cm. Soil Temp (°C)	11.2	2.5		
Air Frost (days)	0	0		
Ground Frost (days)	1	-3		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	82	19.4		
Days with 0.2mm or more	18	2		
Days with 1.0mm or more	13	1		
Days with 5.0mm or more	5			
Greatest fall in one day (mm)	18.6		7	
Relative Humidity (%)	79			
Sunshine (hours)	174.9	0.2		
Sunniest Day (hours)	13.1		1	
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 :-

May 2011

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	75	10.1%
Gusts of 34Knots (39mph) or over	2	

Mean Wind Speed (Knots) 7.0

Highest Hourly Mean Velocity	Knots	Date	Time
	16	1	14

Highest Gust	34	1	14
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Percentage Time vs Wind Direction

