

## 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 :-

July 2011

		From norm	Day	Comments
Mean Air Temp (°C)	14.9	-0.2		
Mean Air Maximum (°C)	19.2	0.2		
Mean Air Minimum (°C)	10.5	-0.6		
Highest Maximum (°C)	23.5		4	
Lowest Maximum (°C)	15.5		17 & 19	
Highest Minimum (°C)	15.3		4	
Lowest Minimum (°C)	7.0		25	
Mean Grass Minimum (°C)	9.0			
Lowest Grass Minimum (°C)	3.3		14	
Mean Concrete Minimum (°C)	10.8			
Lowest Concrete Minimum (°C)	6.9		25	
Mean Bare Soil Minimum (°C)	0.0			
Lowest Bare Soil Minimum (°C)	0.0		#N/A	
Mean 10cm. Soil Temp (°C)	16.4	-1.0		
Mean 20cm. Soil Temp (°C)	0.0	-16.0		
Mean 30cm. Soil Temp (°C)	16.3	0.8		
Mean 50cm. Soil Temp (°C)	0.0	-15.2		
Mean 100cm. Soil Temp (°C)	14.3	1.3		
Air Frost (days)	0	0		
Ground Frost (days)	0	0		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	8			
Rainfall (mm)	58	-7.4		
Days with 0.2mm or more	14	0		
Days with 1.0mm or more	9	-2		
Days with 5.0mm or more	4			
Greatest fall in one day (mm)	24.6		17	
Relative Humidity (%)	79			
Sunshine (hours)	186.1	20.8		
Sunniest Day (hours)	11.3		2	
Days with Nil Sunshine	0	-2		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

#### Supplied by:

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**Summary of Wind Data for :-**

**July 2011**

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	5	0.7%
Gusts of 34Knots (39mph) or over	0	

**Mean Wind Speed (Knots)** 5.0

Highest Hourly Mean Velocity	Knots	Date	Time
	12	23	15
		23	16

Highest Gust	Knots	Date	Time
	23	16	11
		16	12
		18	5
		23	12
		23	16

**Percentage Time vs Wind Direction**

