

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 :-

December 2011

		From norm	Day	Comments
Mean Air Temp (°C)	5.2	1.2		Please note: Record mean air temperature noted on the Nov 2011 summary is incorrect. Nov 1994 still holds the record of 9° C.
Mean Air Maximum (°C)	7.9	1.4		
Mean Air Minimum (°C)	2.4	0.9		
Highest Maximum (°C)	12.3		26	
Lowest Maximum (°C)	1.2		16	
Highest Minimum (°C)	9.9		26	
Lowest Minimum (°C)	-2.1		17	
Mean Grass Minimum (°C)	0.8			
Lowest Grass Minimum (°C)	-6.7		19	
Mean Concrete Minimum (°C)	1.4			
Lowest Concrete Minimum (°C)	-2.0		18	
Mean 10cm. Soil Temp (°C)	3.8	0.3		
Mean 30cm. Soil Temp (°C)	5.5	0.9		
Mean 100cm. Soil Temp (°C)	7.7	0.4		
Air Frost (days)	6	-5		
Ground Frost (days)	16	-2		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	79.4	8.7		
Days with 0.2mm or more	23	4		
Days with 1.0mm or more	16	3		
Days with 5.0mm or more	6			
Greatest fall in one day (mm)	15.6		23	
Relative Humidity (%)	91			
Sunshine (hours)	53.7	13.1		
Sunniest Day (hours)	4.3		14	
Days with Nil Sunshine	4	-11		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Summary of Wind Data for :-

December 2011

Force	Total	%
Hours of Calm	11	1.6%
Hours of 10 Knots (12mph) or over	174	24.2%
Gusts of 34Knots (39mph) or over	10	

Mean Wind Speed (Knots) 7.4

Highest Hourly Mean Velocity	Knots	Date	Time
	19	8	13

Highest Gust	43	29	17
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No Direction figures available

Percentage Time vs Wind Direction

