

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 2013

		From norm	Day	Comments
Mean Air Temp (°C)	5.6	1.6		
Mean Air Maximum (°C)	8.4	1.9		
Mean Air Minimum (°C)	2.7	1.2		
Highest Maximum (°C)	12.2		15	
Lowest Maximum (°C)	5.0		25	
Highest Minimum (°C)	6.9		9	
Lowest Minimum (°C)	-1.1		27	
Mean Grass Minimum (°C)	1.5			
Lowest Grass Minimum (°C)	-5.0		26	
Mean Concrete Minimum (°C)	1.8			
Lowest Concrete Minimum (°C)	-1.8		26	
Mean 10cm. Soil Temp (°C)	4.8	1.3		
Mean 30cm. Soil Temp (°C)	6.0	1.4		
Mean 100cm. Soil Temp (°C)	7.9	0.6		
Air Frost (days)	3	-8		
Ground Frost (days)	9	-9		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	63	-7.7		
Days with 0.2mm or more	21	2		
Days with 1.0mm or more	14	1		
Days with 5.0mm or more	6			
Greatest fall in one day (mm)	9.4		23	
Relative Humidity (%)	89			
Sunshine (hours)	56.4	15.8		
Sunniest Day (hours)	5.7		17	
Days with Nil Sunshine	7	-8		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Supplied by:

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Summary of Wind Data for :-

December 2013

Force	Total	%
Hours of Calm	7	0.9%
Hours of 10 Knots (12mph) or over	107	14.4%
Gusts of 34Knots (39mph) or over	14	

Mean Wind Speed (Knots) 6.3

Highest Hourly Mean Velocity	Knots	Date	Time
	21	5	13

Highest Gust	48	5	13
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Percentage Time vs Wind Direction

