

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 2014

	From norm	Day	Comments
Mean Air Temp (°C)	4.7	0.7	
Mean Air Maximum (°C)	7.3	0.8	
Mean Air Minimum (°C)	2.1	0.6	
Highest Maximum (°C)	12.4	18	
Lowest Maximum (°C)	2.0	27	
Highest Minimum (°C)	9.7	18	
Lowest Minimum (°C)	-2.2	31	
Mean Grass Minimum (°C)	-0.1		
Lowest Grass Minimum (°C)	-6.7	31	
Mean Concrete Minimum (°C)	0.6		
Lowest Concrete Minimum (°C)	-5.8	30	
Mean 10cm. Soil Temp (°C)	5.0	1.5	
Mean 30cm. Soil Temp (°C)	6.8	2.2	
Mean 100cm. Soil Temp (°C)	8.9	1.6	
Air Frost (days)	9	-2	
Ground Frost (days)	17	-1	
Ice Days (below 0°C)	0		
Hot Days (over 21°C)	0		
Rainfall (mm)	76.4	5.7	
Days with 0.2mm or more	25	6	
Days with 1.0mm or more	13	0	
Days with 5.0mm or more	4		
Greatest fall in one day (mm)	14	11	
Relative Humidity (%)	90		
Sunshine (hours)	71.6	31.0	
Sunniest Day (hours)	6.1	28	
Days with Nil Sunshine	6	-9	
Mean Barometric Pressure (mb)	No		
Maxima (mb)	data		
Minima (mb)	available		

Supplied by:

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Summary of Wind Data for :-

December 2014

Force	Total	%
Hours of Calm	6	0.8%
Hours of 10 Knots (12mph) or over	160	21.5%
Gusts of 34Knots (39mph) or over	5	

Mean Wind Speed (Knots) 6.8

Highest Hourly Mean Velocity	Knots	Date	Time
	20	22	1

Highest Gust	42	11	3
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Percentage Time vs Wind Direction

