

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 :-

February 2017

		From norm	Day	Comments
Mean Air Temp (°C)	5.3	2.5		
Mean Air Maximum (°C)	7.7	3.2		
Mean Air Minimum (°C)	2.8	2.6		
Highest Maximum (°C)	14.4		20	
Lowest Maximum (°C)	1.0		9	
Highest Minimum (°C)	7.5		20	
Lowest Minimum (°C)	-1.7		6	
Mean Grass Minimum (°C)	1.6			
Lowest Grass Minimum (°C)	-3.8		6	
Mean Concrete Minimum (°C)	2.7			
Lowest Concrete Minimum (°C)	-1.8		6	
Mean 10cm. Soil Temp (°C)	4.7	2.2		
Mean 20cm. Soil Temp (°C)	0.0	-2.7		
Mean 30cm. Soil Temp (°C)	5.7	2.5		
Mean 50cm. Soil Temp (°C)	0.0	-3.8		
Mean 100cm. Soil Temp (°C)	6.5	1.6		
Air Frost (days)	6	-7		
Ground Frost (days)	12	-8		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	68	17.1		
Days with 0.2mm or more	21	6		
Days with 1.0mm or more	14	4		
Days with 5.0mm or more	6			
Greatest fall in one day (mm)	10		23	
Relative Humidity (%)	92			
Sunshine (hours)	55.5	-1.7		
Sunniest Day (hours)	7.6		13	
Days with Nil Sunshine	3	-7		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Supplied by:

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Summary of Wind Data for :-

February 2017

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	140	20.8%
Gusts of 34Knots (39mph) or over	9	

Mean Wind Speed (Knots) 6.8

Highest Hourly Mean Velocity	Knots	Date	Time
	23	23	14

Highest Gust	47	23	13
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Percentage Time vs Wind Direction

