

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 :-

January 2017

		From norm	Day	Comments
Mean Air Temp (°C)	3.5	0.6		
Mean Air Maximum (°C)	5.9	0.6		
Mean Air Minimum (°C)	1.0	0.6		
Highest Maximum (°C)	10.7		10	
Lowest Maximum (°C)	-0.9		26	
Highest Minimum (°C)	6.4		16	
Lowest Minimum (°C)	-3.3		27	
Mean Grass Minimum (°C)	-0.4			
Lowest Grass Minimum (°C)	-6.9		5	
Mean Concrete Minimum (°C)	1.1			
Lowest Concrete Minimum (°C)	-3.2		5	
Mean 10cm. Soil Temp (°C)	3.6	1.1		
Mean 30cm. Soil Temp (°C)	4.8	1.5		
Mean 100cm. Soil Temp (°C)	6.7	1.0		
Air Frost (days)	14	0		
Ground Frost (days)	18	-3		
Ice Days (below 0°C)	1			
Hot Days (over 21°C)	0			
Rainfall (mm)	96	25.0		
Days with 0.2mm or more	24	6		
Days with 1.0mm or more	13	0		
Days with 5.0mm or more	7			
Greatest fall in one day (mm)	16.6		31	
Relative Humidity (%)	95			
Sunshine (hours)	43.8	-0.2		
Sunniest Day (hours)	6.2		20	
Days with Nil Sunshine	13	-1		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Supplied by:

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Summary of Wind Data for :-

January 2017

Force	Total	%
Hours of Calm	7	0.9%
Hours of 10 Knots (12mph) or over	113	15.2%
Gusts of 34Knots (39mph) or over	8	

Mean Wind Speed (Knots) 5.9

Highest Hourly Mean Velocity	Knots	Date	Time
	20	11	5

Highest Gust	42	11	17
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Percentage Time vs Wind Direction

