

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 2019

		From norm	Day	Comments
Mean Air Temp (°C)	3.5	0.6		
Mean Air Maximum (°C)	5.8	0.5		
Mean Air Minimum (°C)	1.2	0.8		
Highest Maximum (°C)	11.0		7	
Lowest Maximum (°C)	0.1		31	
Highest Minimum (°C)	7.7		13	
Lowest Minimum (°C)	-4.9		31	
Mean Grass Minimum (°C)	-0.8			
Lowest Grass Minimum (°C)	-10.4		31	
Mean Concrete Minimum (°C)	0.8			
Lowest Concrete Minimum (°C)	-3.9		31	
Mean 10cm. Soil Temp (°C)	4.0	1.5		
Mean 30cm. Soil Temp (°C)	5.7	2.4		
Mean 100cm. Soil Temp (°C)	7.4	1.7		
Air Frost (days)	15	1		
Ground Frost (days)	15	-6		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	53.4	-17.6		
Days with 0.2mm or more	20	2		
Days with 1.0mm or more	10	-3		
Days with 5.0mm or more	4			
Greatest fall in one day (mm)	11.4		24	
Relative Humidity (%)	92			
Sunshine (hours)	47.4	3.4		
Sunniest Day (hours)	6.7		28	
Days with Nil Sunshine	8	-6		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Supplied by:

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Summary of Wind Data for :-

January 2019

Force	Total	%
Hours of Calm	20	2.7%
Hours of 10 Knots (12mph) or over	95	12.8%
Gusts of 34Knots (39mph) or over	8	

Mean Wind Speed (Knots) 5.8

	Knots	Date	Time
Highest Hourly Mean Velocity	20	27	10

Highest Gust	43	27	10
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Percentage Time vs Wind Direction

