

## 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 2015

	From norm	Day	Comments
Mean Air Temp (°C)	8.5	4.5	----- RECORD - warmest
Mean Air Maximum (°C)	11.4	4.9	December since records
Mean Air Minimum (°C)	5.5	4.0	began in 1952
Highest Maximum (°C)	13.8	7	
Lowest Maximum (°C)	6.7	10	
Highest Minimum (°C)	10.8	6	
Lowest Minimum (°C)	1.3	9,12,13	
Mean Grass Minimum (°C)	4.3		
Lowest Grass Minimum (°C)	-1.8	9	
Mean Concrete Minimum (°C)	5.2		
Lowest Concrete Minimum (°C)	-0.2	12	
Mean 10cm. Soil Temp (°C)	7.4	3.9	
Mean 30cm. Soil Temp (°C)	8.4	3.8	
Mean 100cm. Soil Temp (°C)	9.4	2.1	
Air Frost (days)	0	-11	
Ground Frost (days)	6	-12	
Ice Days (below 0°C)	0		
Hot Days (over 21°C)	0		
Rainfall (mm)	85.2	14.5	
Days with 0.2mm or more	26	7	
Days with 1.0mm or more	20	7	
Days with 5.0mm or more	9		
Greatest fall in one day (mm)	10.2	30	
Relative Humidity (%)	97		
Sunshine (hours)	35.3	-5.3	
Sunniest Day (hours)	4.4	29	
Days with Nil Sunshine	9	-6	
Mean Barometric Pressure (mb)	No		
Maxima (mb)	data		
Minima (mb)	available		

Supplied by:

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## Summary of Wind Data for :-

December 2015

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	163	21.9%
Gusts of 34Knots (39mph) or over	10	

Mean Wind Speed (Knots) 7.1

Highest Hourly Mean Velocity	Knots	Date	Time
	15	3	23
		5	4
		5	10

Highest Gust 38 30 11

## Percentage Time vs Wind Direction

