

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 2014

		From norm	Day	Comments
Mean Air Temp (°C)	4.7	1.8		
Mean Air Maximum (°C)	7.3	2.0		
Mean Air Minimum (°C)	2.0	1.6		
Highest Maximum (°C)	11.1		5	
Lowest Maximum (°C)	3.0		30	
Highest Minimum (°C)	6.0		8	
Lowest Minimum (°C)	-1.7		12	
Mean Grass Minimum (°C)	0.7			
Lowest Grass Minimum (°C)	-4.6		12	
Mean Concrete Minimum (°C)	1.2			
Lowest Concrete Minimum (°C)	-1.7		12	
Mean 10cm. Soil Temp (°C)	3.8	1.3		
Mean 30cm. Soil Temp (°C)	5.1	1.8		
Mean 100cm. Soil Temp (°C)	6.6	0.9		
Air Frost (days)	3	-11		
Ground Frost (days)	11	-10		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	117	46.0		
Days with 0.2mm or more	29	11		
Days with 1.0mm or more	25	12		
Days with 5.0mm or more	10			
Greatest fall in one day (mm)	13.8		31	
Relative Humidity (%)	93			
Sunshine (hours)	61.8	17.8		
Sunniest Day (hours)	5.0		11	
Days with Nil Sunshine	5	-9		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Supplied by:

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Summary of Wind Data for :-

January 2014

Force	Total	%
Hours of Calm	14	1.9%
Hours of 10 Knots (12mph) or over	122	16.4%
Gusts of 34Knots (39mph) or over	2	

Mean Wind Speed (Knots) 6.2

Highest Hourly Mean Velocity	Knots	Date	Time
	15	9	7
		23	14

Highest Gust 35 23 14

Percentage Time vs Wind Direction

