

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 2012

		From norm	Day	Comments
Mean Air Temp (°C)	3.8	-0.2		
Mean Air Maximum (°C)	6.4	-0.1		
Mean Air Minimum (°C)	1.1	-0.4		
Highest Maximum (°C)	12.3		22	
Lowest Maximum (°C)	-1.2		12	
Highest Minimum (°C)	6.9		29	
Lowest Minimum (°C)	-4.3		13	
Mean Grass Minimum (°C)	-0.6			
Lowest Grass Minimum (°C)	-7.7		6	
Mean Concrete Minimum (°C)	0.1			
Lowest Concrete Minimum (°C)	-4.4		6	
Mean 10cm. Soil Temp (°C)	3.1	-0.4		
Mean 30cm. Soil Temp (°C)	4.5	-0.1		
Mean 100cm. Soil Temp (°C)	6.6	-0.7		
Air Frost (days)	10	-1		
Ground Frost (days)	17	-1		
Ice Days (below 0°C)	1			
Hot Days (over 21°C)	0			
Rainfall (mm)	152.2	81.5		
Days with 0.2mm or more	26	7		
Days with 1.0mm or more	19	6		
Days with 5.0mm or more	11			
Greatest fall in one day (mm)	19.2		19	
Relative Humidity (%)	95			
Sunshine (hours)	48.7	8.1		
Sunniest Day (hours)	4.8		11	
Days with Nil Sunshine	7	-8		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Summary of Wind Data for :-

December 2012

Force	Total	%
Hours of Calm	42	6.0%
Hours of 10 Knots (12mph) or over	139	19.8%
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 6.2

Highest Hourly Mean Velocity	Knots	Date	Time
	17	9	14

Highest Gust	32	7	00
		9	14
		14	11

Percentage Time vs Wind Direction

