

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 :-

February 2013

		From norm	Day	Comments
Mean Air Temp (°C)	2.5	-0.3		
Mean Air Maximum (°C)	5.2	0.7		
Mean Air Minimum (°C)	-0.2	-0.4		
Highest Maximum (°C)	10.1		28	
Lowest Maximum (°C)	0.5		22	
Highest Minimum (°C)	4.9		4	
Lowest Minimum (°C)	-2.3		23	
Mean Grass Minimum (°C)	-1.8			
Lowest Grass Minimum (°C)	-6.1		19	
Mean Concrete Minimum (°C)	-1.1			
Lowest Concrete Minimum (°C)	-3.5		23	
Mean 10cm. Soil Temp (°C)	1.7	-0.8		
Mean 30cm. Soil Temp (°C)	3.5	0.3		
Mean 100cm. Soil Temp (°C)	4.8	-0.1		
Air Frost (days)	16	3		
Ground Frost (days)	21	1		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	45.4	-5.5		
Days with 0.2mm or more	10	-5		
Days with 1.0mm or more	8	-2		
Days with 5.0mm or more	4			
Greatest fall in one day (mm)	12.8		13	
Relative Humidity (%)	88			
Sunshine (hours)	74.2	17.0		
Sunniest Day (hours)	7.4		28	
Days with Nil Sunshine	4	-6		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Summary of Wind Data for :-

February 2013

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	126	18.8%
Gusts of 34Knots (39mph) or over	0	

Mean Wind Speed (Knots) 7.0

Highest Hourly Mean Velocity	Knots	Date	Time
Highest Gust	32	4	6
		5	20
		6	4
		6	12
		6	13
		6	14

Percentage Time vs Wind Direction

