

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 2012

		From norm	Day	Comments
Mean Air Temp (°C)	3.7	0.9		
Mean Air Maximum (°C)	6.3	1.8		
Mean Air Minimum (°C)	1.0	0.8		
Highest Maximum (°C)	14.8		23	
Lowest Maximum (°C)	-0.1		10	
Highest Minimum (°C)	8.3		28	
Lowest Minimum (°C)	-6.8		8	
Mean Grass Minimum (°C)	-0.4			
Lowest Grass Minimum (°C)	-10.4		4	
Mean Concrete Minimum (°C)	0.6			
Lowest Concrete Minimum (°C)	-5.5		4	
Mean 10cm. Soil Temp (°C)	2.7	0.2		
Mean 30cm. Soil Temp (°C)	3.5	0.3		
Mean 100cm. Soil Temp (°C)	4.9	0.0		
Air Frost (days)	13	0		
Ground Frost (days)	16	-4		
Ice Days (below 0°C)	3			
Hot Days (over 21°C)	0			
Rainfall (mm)	22	-28.9		
Days with 0.2mm or more	14	-1		
Days with 1.0mm or more	6	-4		
Days with 5.0mm or more	1			
Greatest fall in one day (mm)	10.8		5	
Relative Humidity (%)	93			
Sunshine (hours)	64.3	7.1		
Sunniest Day (hours)	7.5		3	
Days with Nil Sunshine	4	-6		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Summary of Wind Data for :-

February 2012

Force	Total	%
Hours of Calm	0	0.0%
Hours of 10 Knots (12mph) or over	107	15.4%
Gusts of 34Knots (39mph) or over	1	

Mean Wind Speed (Knots) 6.2

Highest Hourly Mean Velocity	Knots	Date	Time
	16	15	12

Highest Gust	35	19	1
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Percentage Time vs Wind Direction

