

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 :-

March 2013

		From norm	Day	Comments
Mean Air Temp (°C)	2.3	-0.6		
Mean Air Maximum (°C)	5.0	-0.5		
Mean Air Minimum (°C)	-0.4	-0.6		
Highest Maximum (°C)	11.3		5	
Lowest Maximum (°C)	0.3		24	
Highest Minimum (°C)	4.9		8	
Lowest Minimum (°C)	-4.4		12	
Mean Grass Minimum (°C)	-2.4			
Lowest Grass Minimum (°C)	-10.5		14	
Mean Concrete Minimum (°C)	-1.2			
Lowest Concrete Minimum (°C)	-5.2		12	
Mean 10cm. Soil Temp (°C)	2.2	-0.3		
Mean 30cm. Soil Temp (°C)	3.9	0.7		
Mean 100cm. Soil Temp (°C)	4.8	-0.1		
Air Frost (days)	19	6		
Ground Frost (days)	24	4		
Ice Days (below 0°C)	0			
Hot Days (over 21°C)	0			
Rainfall (mm)	43	-7.9		
Days with 0.2mm or more	13	-2		
Days with 1.0mm or more	11	1		
Days with 5.0mm or more	3			
Greatest fall in one day (mm)	8.4		15	
Relative Humidity (%)	84			
Sunshine (hours)	121.7	64.5		
Sunniest Day (hours)	7.9		31	
Days with Nil Sunshine	0	-10		
Mean Barometric Pressure (mb)	No			
Maxima (mb)	data			
Minima (mb)	available			

Summary of Wind Data for :-

March 2013

Force	Total	%
Hours of Calm	4	0.5%
Hours of 10 Knots (12mph) or over	185	24.9%
Gusts of 34Knots (39mph) or over	19	

Mean Wind Speed (Knots) 7.8

Highest Hourly Mean Velocity	Knots	Date	Time
	21	22	13

Highest Gust	38	22	11
		22	14

Percentage Time vs Wind Direction

