

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 2023

| | | From norm | Day | Comments |
|-------------------------------|-----------|-----------|-----|----------|
| Mean Air Temp (°C) | 6.1 | 3.3 | | |
| Mean Air Maximum (°C) | 9.4 | 4.9 | | |
| Mean Air Minimum (°C) | 2.8 | 2.6 | | |
| Highest Maximum (°C) | 13.9 | | 18 | |
| Lowest Maximum (°C) | 6.1 | | 8 | |
| Highest Minimum (°C) | 8.4 | | 18 | |
| Lowest Minimum (°C) | -2.3 | | 6 | |
| Mean Grass Minimum (°C) | 0.4 | | | |
| Lowest Grass Minimum (°C) | -8.2 | | 8 | |
| Mean Concrete Minimum (°C) | 1.9 | | | |
| Lowest Concrete Minimum (°C) | -2.8 | | 6 | |
| Mean 10cm. Soil Temp (°C) | 5.6 | 3.1 | | |
| Mean 30cm. Soil Temp (°C) | 6.0 | 2.8 | | |
| Mean 100cm. Soil Temp (°C) | 6.6 | 1.7 | | |
| Air Frost (days) | 7 | -6 | | |
| Ground Frost (days) | 15 | -5 | | |
| Ice Days (below 0°C) | 0 | | | |
| Hot Days (over 21°C) | 0 | | | |
| Rainfall (mm) | 8 | -42.9 | | |
| Days with 0.2mm or more | 12 | -3 | | |
| Days with 1.0mm or more | 5 | -5 | | |
| Days with 5.0mm or more | 0 | | | |
| Greatest fall in one day (mm) | 1.4 | | 21 | |
| Relative Humidity (%) | 90 | | | |
| Sunshine (hours) | 109.5 | 52.3 | | |
| Sunniest Day (hours) | 7.9 | | 8 | |
| Days with Nil Sunshine | 0 | -10 | | |
| Mean Barometric Pressure (mb) | No | | | |
| Maxima (mb) | Data | | | |
| Minima (mb) | Available | | | |

Summary of Wind Data for :-

February 2023

| Force | Total | % |
|-----------------------------------|-------|---|
| Hours of Calm | 2 | |
| Hours of 10 Knots (12mph) or over | 60 | |
| Gusts of 34Knots (39mph) or over | 0 | |

Mean Wind Speed (Knots) 5.7

| | Knots | Date | Time |
|-------------------------------------|-------|------|------|
| Highest Hourly Mean Velocity | 15 | 19 | 2 |
| Highest Gust | 32 | 18 | 22 |

Percentage Time vs Wind Direction

