

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 :-

April 2023

| | | From norm | Day | Comments |
|-------------------------------|-----------|-----------|--------|----------|
| Mean Air Temp (°C) | 8.2 | 0.9 | | |
| Mean Air Maximum (°C) | 11.9 | 0.9 | | |
| Mean Air Minimum (°C) | 4.4 | 0.9 | | |
| Highest Maximum (°C) | 17.5 | | 29 | |
| Lowest Maximum (°C) | 7.7 | | 14 | |
| Highest Minimum (°C) | 9.6 | | 30 | |
| Lowest Minimum (°C) | -0.4 | | 4 & 25 | |
| Mean Grass Minimum (°C) | 2.2 | | | |
| Lowest Grass Minimum (°C) | -5.7 | | 25 | |
| Mean Concrete Minimum (°C) | 4.9 | | | |
| Lowest Concrete Minimum (°C) | 0.3 | | 4 | |
| Mean 10cm. Soil Temp (°C) | 8.4 | 0.4 | | |
| Mean 30cm. Soil Temp (°C) | 9.5 | 2.3 | | |
| Mean 100cm. Soil Temp (°C) | 8.6 | 2.2 | | |
| Air Frost (days) | 2 | -2 | | |
| Ground Frost (days) | 9 | -4 | | |
| Ice Days (below 0°C) | 0 | | | |
| Hot Days (over 21°C) | 0 | | | |
| Rainfall (mm) | 47.2 | -7.8 | | |
| Days with 0.2mm or more | 21 | 6 | | |
| Days with 1.0mm or more | 13 | 2 | | |
| Days with 5.0mm or more | 2 | | | |
| Greatest fall in one day (mm) | 9.2 | | 14 | |
| Relative Humidity (%) | 81 | | | |
| Sunshine (hours) | 150.7 | 20.7 | | |
| Sunniest Day (hours) | 11.4 | | 7 | |
| Days with Nil Sunshine | 1 | -3 | | |
| Mean Barometric Pressure (mb) | No | | | |
| Maxima (mb) | Data | | | |
| Minima (mb) | Available | | | |

Summary of Wind Data for :-

April 2023

| Force | Total | % |
|-----------------------------------|-------|---|
| Hours of Calm | 0 | |
| Hours of 10 Knots (12mph) or over | 87 | |
| Gusts of 34Knots (39mph) or over | 0 | |

Mean Wind Speed (Knots) 5.5

| | Knots | Date | Time |
|-------------------------------------|-------|------|------|
| Highest Hourly Mean Velocity | 14.04 | 19 | 17 |

| | | | |
|---------------------|-------|----|----|
| Highest Gust | 28.81 | 19 | 18 |
|---------------------|-------|----|----|

Percentage Time vs Wind Direction

