

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 2021

| | | From norm | Day | Comments |
|-------------------------------|-----------|-----------|---------|----------|
| Mean Air Temp (°C) | 5.4 | -1.9 | | |
| Mean Air Maximum (°C) | 9.3 | -1.7 | | |
| Mean Air Minimum (°C) | 1.4 | -2.1 | | |
| Highest Maximum (°C) | 16.3 | | 20 & 24 | |
| Lowest Maximum (°C) | 4.1 | | 10 | |
| Highest Minimum (°C) | 7.2 | | 21 | |
| Lowest Minimum (°C) | -2.1 | | 7 | |
| Mean Grass Minimum (°C) | -2.2 | | | |
| Lowest Grass Minimum (°C) | -8.4 | | 7 | |
| Mean Concrete Minimum (°C) | 2.2 | | | |
| Lowest Concrete Minimum (°C) | -0.8 | | 7 | |
| Mean 10cm. Soil Temp (°C) | 6.0 | -2.0 | | |
| Mean 30cm. Soil Temp (°C) | 7.2 | 0.0 | | |
| Mean 100cm. Soil Temp (°C) | 6.8 | 0.4 | | |
| Air Frost (days) | 5 | 1 | | |
| Ground Frost (days) | 20 | 7 | | |
| Ice Days (below 0°C) | 0 | | | |
| Hot Days (over 21°C) | 0 | | | |
| Rainfall (mm) | 8.8 | -46.2 | | |
| Days with 0.2mm or more | 8 | -7 | | |
| Days with 1.0mm or more | 2 | -9 | | |
| Days with 5.0mm or more | 0 | | | |
| Greatest fall in one day (mm) | 4.8 | | 10 | |
| Relative Humidity (%) | 59 | | | |
| Sunshine (hours) | 59.3 | -70.7 | | |
| Sunniest Day (hours) | 2.8 | | 29 | |
| Days with Nil Sunshine | 0 | -4 | | |
| Mean Barometric Pressure (mb) | No | | | |
| Maxima (mb) | Data | | | |
| Minima (mb) | Available | | | |

Supplied by:

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Summary of Wind Data for :-

April 2021

| Force | Total | % |
|-----------------------------------|-------|------|
| Hours of Calm | 0 | 0.0% |
| Hours of 10 Knots (12mph) or over | 62 | 8.6% |
| Gusts of 34Knots (39mph) or over | 0 | |

Mean Wind Speed (Knots) 5.2

| Highest Hourly Mean Velocity | Knots | Date | Time |
|------------------------------|-------|------|------|
| | 13 | 4 | 10 |

| | | | |
|---------------------|----|---|----|
| | | 4 | 11 |
| | | 4 | 12 |
| Highest Gust | 31 | 4 | 10 |
| | | 4 | 11 |

Percentage Time vs Wind Direction

