

## 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 :-

July 2016

|                               |           | From norm | Day | Comments |
|-------------------------------|-----------|-----------|-----|----------|
| Mean Air Temp (°C)            | 15.9      | 0.8       |     |          |
| Mean Air Maximum (°C)         | 19.7      | 0.7       |     |          |
| Mean Air Minimum (°C)         | 12.1      | 1.0       |     |          |
| Highest Maximum (°C)          | 29.4      |           | 19  |          |
| Lowest Maximum (°C)           | 14.3      |           | 12  |          |
| Highest Minimum (°C)          | 20.0      |           | 20  |          |
| Lowest Minimum (°C)           | 7.2       |           | 13  |          |
| Mean Grass Minimum (°C)       | 10.0      |           |     |          |
| Lowest Grass Minimum (°C)     | 3.4       |           | 6   |          |
| Mean Concrete Minimum (°C)    | 12.8      |           |     |          |
| Lowest Concrete Minimum (°C)  | 8.0       |           | 13  |          |
| Mean 10cm. Soil Temp (°C)     | 16.6      | -0.8      |     |          |
| Mean 30cm. Soil Temp (°C)     | 17.1      | 1.6       |     |          |
| Mean 100cm. Soil Temp (°C)    | 15.1      | 2.1       |     |          |
| Air Frost (days)              | 0         | 0         |     |          |
| Ground Frost (days)           | 0         | 0         |     |          |
| Ice Days (below 0°C)          | 0         |           |     |          |
| Hot Days (over 21°C)          | 7         |           |     |          |
| Rainfall (mm)                 | 64.2      | -1.2      |     |          |
| Days with 0.2mm or more       | 20        | 6         |     |          |
| Days with 1.0mm or more       | 15        | 4         |     |          |
| Days with 5.0mm or more       | 5         |           |     |          |
| Greatest fall in one day (mm) | 11.4      |           | 8   |          |
| Relative Humidity (%)         | 82        |           |     |          |
| Sunshine (hours)              | 153.4     | -11.9     |     |          |
| Sunniest Day (hours)          | 11.0      |           | 3   |          |
| Days with Nil Sunshine        | 0         | -2        |     |          |
| Mean Barometric Pressure (mb) | No        |           |     |          |
| Maxima (mb)                   | data      |           |     |          |
| Minima (mb)                   | available |           |     |          |

#### Supplied by:

School of Earth Sciences and Geography, Keele University  
Keele, Staffordshire, ST5 5BG

tel : 01782 583169  
email : m.b.edge@keele.ac.uk

## Summary of Wind Data for :-

July 2016

| Force                             | Total | %    |
|-----------------------------------|-------|------|
| Hours of Calm                     | 0     | 0.0% |
| Hours of 10 Knots (12mph) or over | 22    | 3.0% |
| Gusts of 34Knots (39mph) or over  | 0     |      |

Mean Wind Speed (Knots) 5.2

| Highest Hourly Mean Velocity | Knots | Date | Time |
|------------------------------|-------|------|------|
|                              | 12    | 1    | 16   |
|                              |       | 5    | 8    |
|                              |       | 5    | 9    |

| Highest Gust | Knots | Date | Time |
|--------------|-------|------|------|
|              | 25    | 1    | 13   |
|              |       | 1    | 15   |

## Percentage Time vs Wind Direction

