**Climate data, Sirsi, Feb 2021 - April 2022**

Filename: Climate\_Sirsi\_WesternGhats.csv

**Collection/generation method**

The data comprise high resolution climate measurements (including air temperature, precipitation, relative humidity, wind speed, wind direction and dew point) taken in an open space in proximity to a forest fragment close to Sirsi, Western Ghats, India (latitude/longitude: 14.49 N, 74.75 E; altitude: 538 m) between February 2021 and April 2022).

Data were measured using a Watchdog Weather Station (<https://www.industrial-needs.com/technical-data/weather-station-watchdog.htm>). The instrument was installed approximately 2 m above ground. There were no trees or buildings close by.

**Details of data structure**

Variables ordered in columns in csv file.

**Nature and Units of recorded data**

|  |  |  |
| --- | --- | --- |
| Variable name | Units/Format | Explanation |
| Date | DD/MM/YYYY | Date of sampling |
| Time | HH:MIN | Time of sampling |
| RH\_% | (%) | Relative humidity |
| AirTemp\_degC | (°C) | Air temperature |
| Precip\_mm/10mins | (mm/10mins) | Precipitation |
| WindDir\_deg | (Degree) | Wind direction |
| WindGust\_km/hr | (km hr-1) | Wind Gust speed |
| DewPoint\_DegC | (°C) | Dew point |

**Quality control**

Data were checked by the team involved. The relative humidity sensor developed an offset of approximately 5 % in autumn 2021. We corrected the offset applying a low pass filter to daily maxima (occurring during night) and added the difference to 100 % relative humidity.