

INSTRUCTIONS FOR USING VORTEX SOLAR SITE ADAPTED SERIES



STEP 1: Select the UTC Time Zone under which observations have been measured

STEP 2: Prepare the observations in the following format and requirements:

1) There should be no header information in the observations file

2) Each line should be in this format:

YYYYMMDD HHMM Solar (W/m2)

Where **Solar** can be either **GHI** (Global Horizontal Irradiance) or **DNI** (Direct Normal Irradiance).
Find below an example:

```
20140522 1000 535.033
20140522 1100 608.067
20140522 1200 614.2
20140522 1300 570.317
20140522 1400 456.25
```

(...)

- 3) There is no need for any decimal numbers. That is, the observations can be uploaded with none, one, two or three decimals.
- 4) Each of the lines must contain 3 columns. If a single line contains just 2 values, please delete the affected line.
- 5) Missing values are considered as: 99, 999, -99, -999.
- 6) Observations should be at least 11 months long for the algorithm to properly work.
- 7) Observations can be 10 minute, 30 minute or hourly data.

STEP 3: Upload the file and press Request

STEP 4: Wait for the confirmation e-mail and download the site adapted series

STEP 5: Download the site adapted series by using your Vortex account