

DView Data File Template

DView uses the following rules to read csv files and can also open TMY2, TMY3, and EPW formatted files.

Files with different time intervals, start times and durations can be opened sequentially in a single DView session.

Option A -- (5 header lines) Full Specification:

- Line 1 -- specification "wxDVFileHeaderVer.1" for reading data files with the following specifications:
- Line 2 -- series name. (Optionally, series can be organized into groups by entering Group Name|Series Name.)
- Line 3 -- start time of the first data point, elapsed from Midnight Jan 1.
 - If the first data point is instantaneous at Midnight, Jan1, set this to 0.0
 - If the first data point is an average over the first hour, set this to 0.5 (default)
 - If the first data point is at 1AM on Jan1, set this to 1.0
 - If the first data point is part-way into the year, set this to the number of hours from Midnight Jan 1
- Line 4 -- time interval in hours. (Decimal hours are accepted-- for example, 0.25 is 15 minutes.)
- Line 5 -- units.

```
wxDVFileHeaderVer.1
Temperature|Ambient,Temperature|Cell,Power|DC Output,Weather|Diffuse,Weather|Direct
0,0,1,0.5,0.5
0.25,0.25,0.25,0.25,0.25
'C,'C,kWh,kW/m2,kW/m2
3.3,13.1445,12904.8,0.053,0.634
4.4,16.8193,14134.6,0.075,0.687
```

Option B -- (2 header lines) If line 1 doesn't include "wxDVFileHeaderVer.1", the first line is assumed to be series names and the second line is units:

- Line 1 -- series name (optionally, Group Name|Series Name)
- Line 2 -- units
- Start time is set to 0.5
- Time interval is set to 1

```
Temperature|Ambient,Temperature|Cell,Power|DC Output,Weather|Diffuse,Weather|Direct
'C,'C,kWh,kW/m2,kW/m2
3.3,13.1445,12904.8,0.053,0.634
4.4,16.8193,14134.6,0.075,0.687
```

Option C -- (1 header line) If the second line is numbers, it is assumed to be data:

- Line 1 -- series name (optionally, Group Name|Series Name)
- All series are assigned to the left axis (allowing fewer series to be plotted)
- Start time is set to 0.5
- Time interval is set to 1

```
Temperature|Ambient,Temperature|Cell,Power|DC Output,Weather|Diffuse,Weather|Direct
3.3,13.1445,12904.8,0.053,0.634
4.4,16.8193,14134.6,0.075,0.687
```