

4.6. Setting up Charts

The charting function in Sensorweb™ can be used to display recorded data in the form of graphs. This is especially important to visualize data collected over a period of time or when seeing trends in sensor readings is desired.

Click on “Charts” followed by “New Chart” and “Show Chart Options”. The new chart can be created with the desired configuration (chart name, amount of data to be displayed in the chart, primary axis desired with minimum and maximum values, shaded regions on the chart based on desired values etc...). An important feature of the charting function in Sensorweb™ is the fact that any number or types of sensors from different nodes can be selected to appear on the same chart. Figure 15 shows the various features of the “Charting Options” page in Sensorweb™.

[Hide Chart Options](#)

Chart Options:

Name:

Select chart group: [Configure Groups](#)

Notes to display on chart(100 char limit) [?](#):

Select a data start point?[?](#) and how many days of data should be displayed in the chart?[?](#)

Use RAW Data?[?](#) ☐ Auto-scale if series is hidden?[?](#) ☒

Mouse zooms in on data (instead of pan)?[?](#) ☒ Plot sunrise and sunset?[?](#) ☒

Chart Indicators:[?](#)

Set primary axis for these options [?](#)

Create green line at with label of

Create red line at with label of

Create shaded region going from to with a label of

Set vertical (y) axis range manually ☐ Min: Max:

Select Data:[?](#)

[Node B1_1](#)

[Node B1_2](#)

[Node B1_2n](#)

[Node B1_3](#)

[Node B1_4](#)

Figure 15. The Charting tool in Sensorweb™