**LoggerNet Data Acquisition Software**

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About

LoggerNet is the acquisition software for instruments connected to Campbell CR1000 data loggers (TAWO sonic, all 50m tower instruments). It is mainly used at Summit to view real-time data. When LoggerNet is connected to a data logger, it automatically downloads all new data – there is no procedure (or need) for recovering lost data.

With the new Met system on the 50m tower, data no longer is sent to NOAA daily via FTP. Instead one central computer at NOAA in Boulder will continuously log in to the CR1000 and download the data at a high frequency. Logging in to the system locally mainly checks the data and provides a backup, but is not the primary source of data.

Connecting

* Log onto Bunting and open LoggerNet.
* Click **Main**, then **Connect**
* Choose which system you would like to connect to in the left panel:
  + CR1000 – sonic anemometer
  + NOAA 50m Tower Met – new Met suite on 50m tower
* Click **Connect** in the upper left when the Connect Screen opens. In the lower left you will see the connection clock begin to count.
* Now you can view data – when done click **Disconnect**. This will allow other users (ie: Boulder acquisition computer) to log in and download data.

Viewing Data

* To view graphical data:
  + Click the **Graphs** button and then choose which display you wish to see.
  + All graphs are fully customizable. Any changes made to the view will not affect the data.
* To view real time numerical data:
  + Click the **Num Display** button and choose which display you wish to see.
  + All displays are fully customizable – fields can be added or subtracted to give your view of choice. Any changes made to the display will not affect the data.

Disconnecting

* Don’t forget to disconnect!
* Click **Disconnect** in the upper left corner of the screen. The connection clock will return to zero. The connection window can be closed.