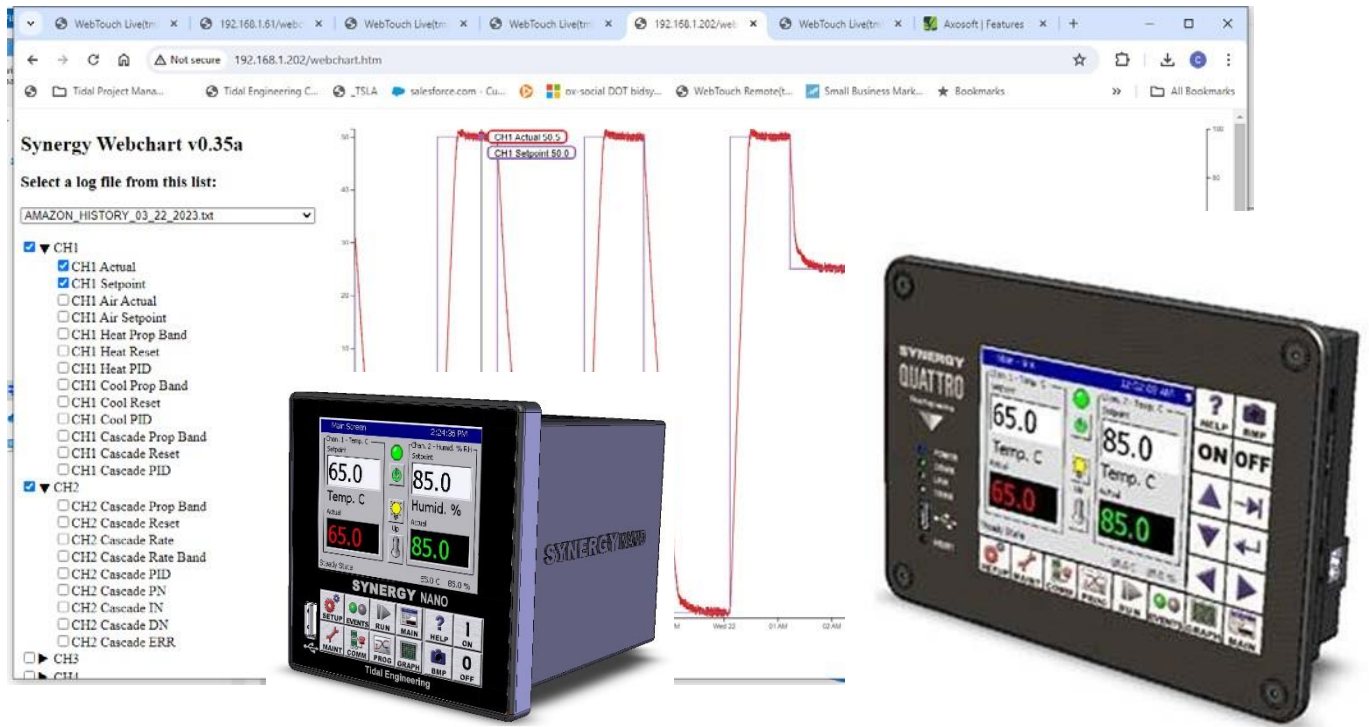


Synergy Controller WebChart

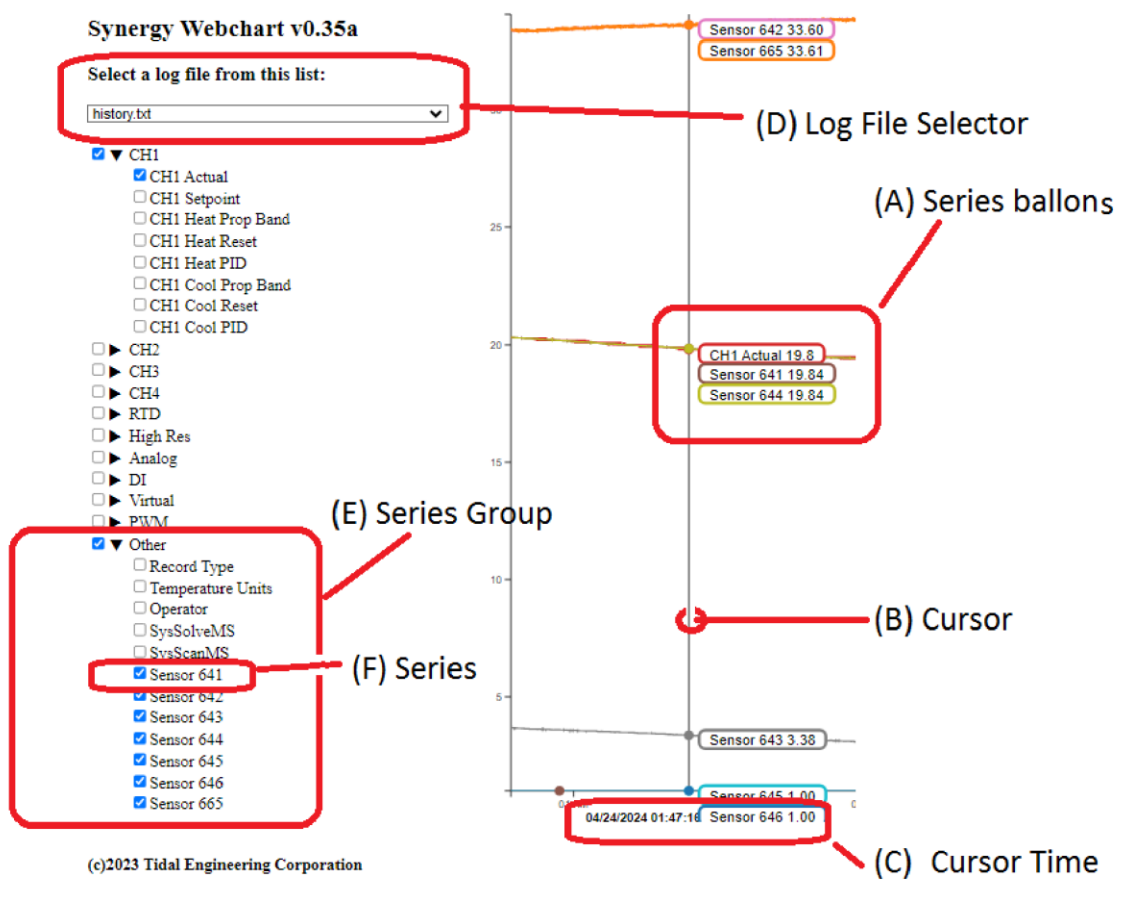
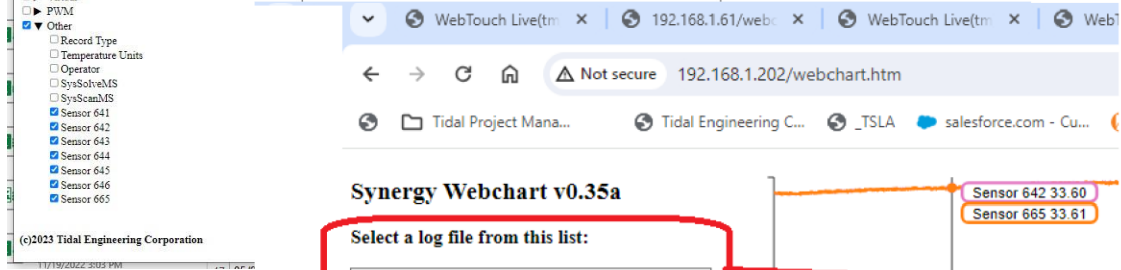
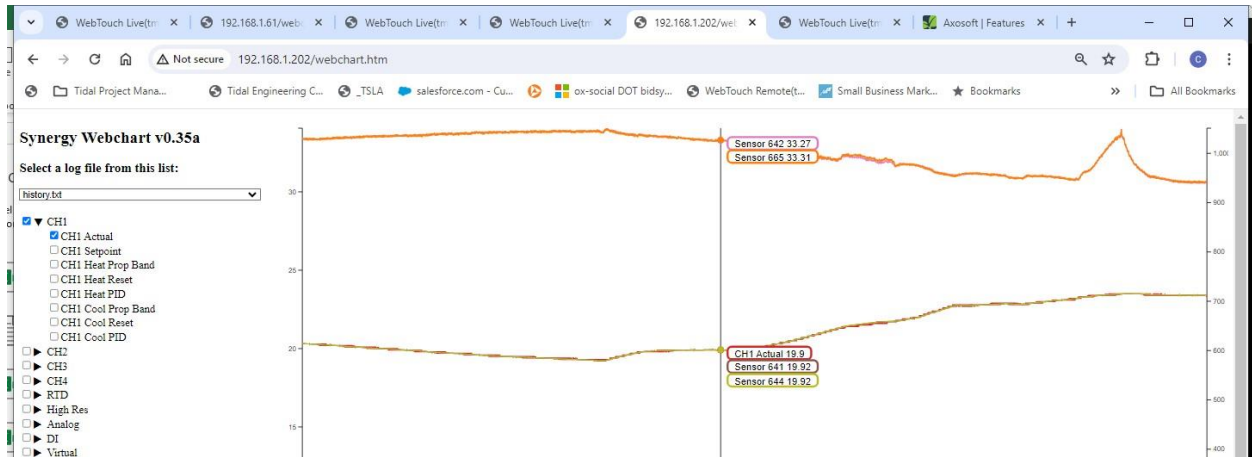


Tidal Engineering's Synergy Controllers, including the Synergy Nano, Synergy Mino, Synergy Micro, and Synergy Quattro provide state-of-the-art usability and connectivity for environmental test control and data acquisition. They combine the functions of a chamber controller and a data logger. They are designed to improve test efficiency by supporting both factory automation and test and measurement protocols and standards.

This application note covers the capabilities and use case for the Synergy Controller WebChart . WebChart is built into Synergy Controller WebTouch webserver and provides dynamic charting capabilities for Synergy Controller log data files in any web browser.

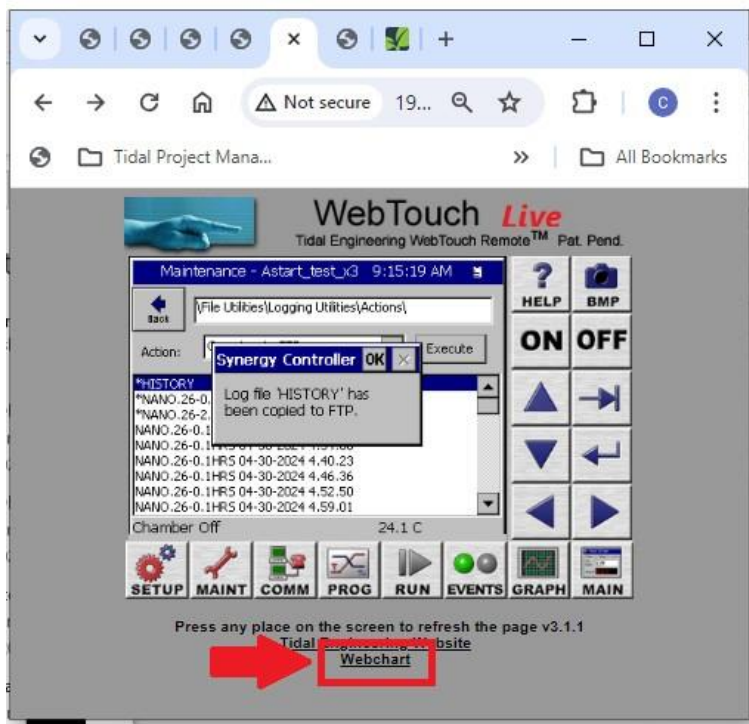
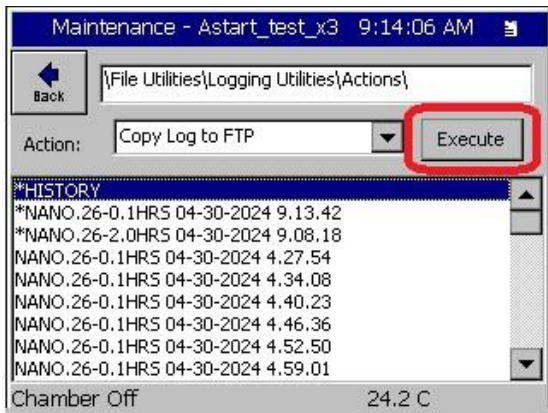
Features:

- Browser based charting software built into Synergy Controller WebTouch webserver.
- Zoom and Scroll with Mouse and Mouse Wheel.
- Data Series selection individually and by Group (Channel 1, Channel 2, etc).
- Live measurement cursor.
- Cursor balloons readout data series values at cursor.
- Cursor Time readout displays cursor time.
- Select History, Profile, and Interval Logs from the drop-down list.
- Return to WebTouch to export the current History, Profile, and Interval logs.
- Copy a log file from the local computer using windows explorer to chart a log file off-line.



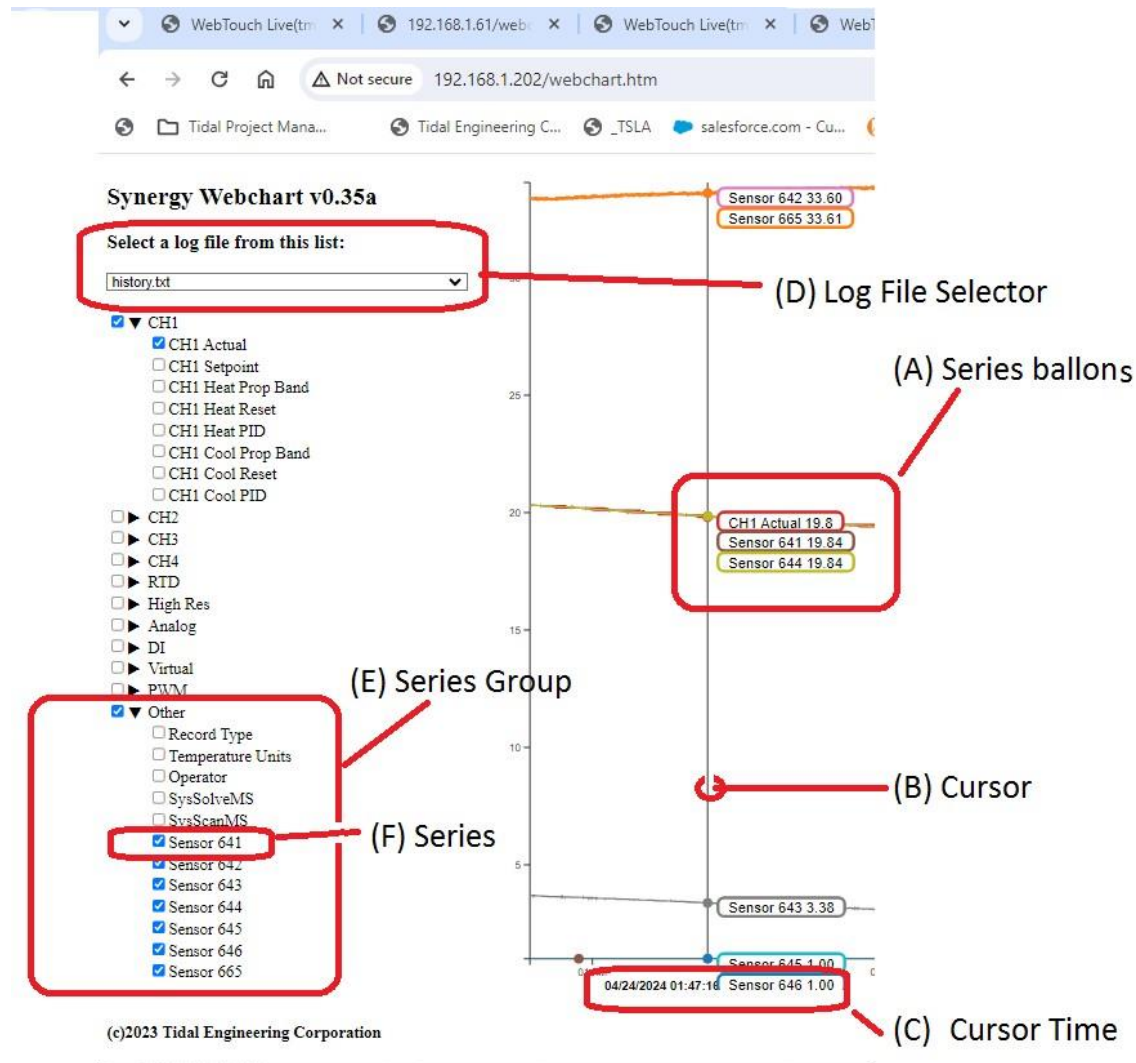
To use WebChart:

1. Export a Log file to the FTP Folder as shown below.
2. Next, press the “]” key on the keyboard (Right Square Bracket).
3. Click the WebChart link at the bottom of the WebTouch interface.

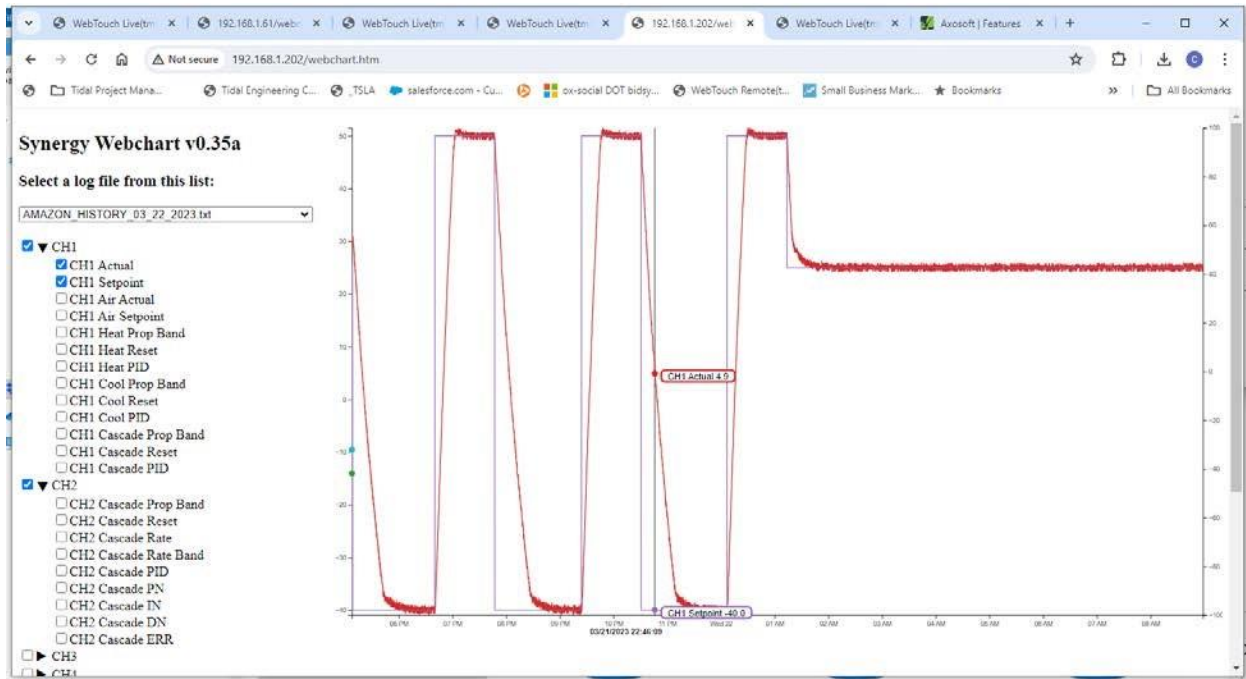


To use WebChart (continued):

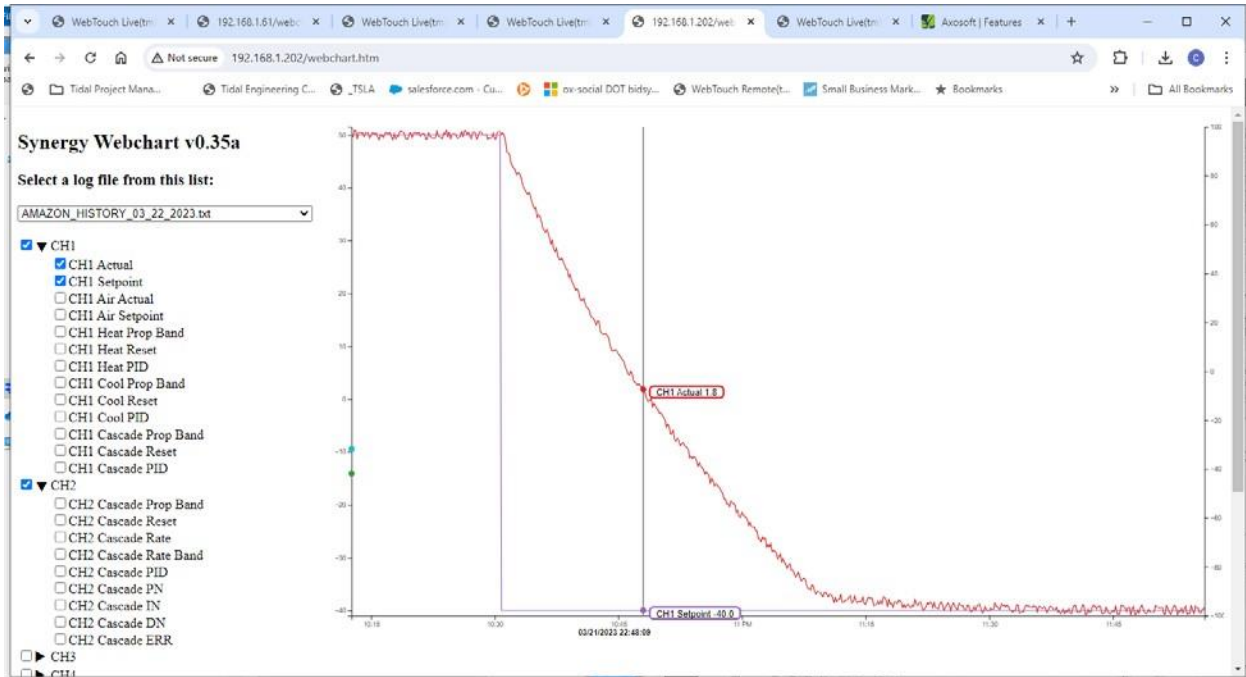
4. Select History, Profile, or Interval Logs from the Log File Selector drop down {D}.
5. Select Data Series Groups {E} and individual Data Series {F} in each Group as required.
6. Zoom and Scroll with Mouse and Mouse Wheel to navigate the log file.
7. Move the cursor with the left mouse and read the value of each data series in the cursor balloons. {A} 8. Look for the cursor time at the bottom of the X-Time axis. {C}



After Zoom-out



After Zoom-in





About the Synergy Family

Tidal Engineering's Synergy Controllers, both the Synergy Micro 2 and the 1/4 DIN Synergy Nano provide state-of-the-art usability and connectivity for environmental test control and data acquisition. They combine the functions of a chamber controller and a data logger and are designed to improve test efficiency by supporting both factory automation and test and measurement protocols and standards.

Synergy Controller feature highlights includes:

- ➔ Color touch screen
- ➔ Ethernet, RS-232 and GPIB communications
- ➔ Built in 100 MB Data logger with USB drive support
- ➔ Data Acquisition, up to 64 T-type thermocouples (Optional)
- ➔ Built-in Web Server for remote control; WebTouch Remote™
- ➔ Compatible with Synergy Manager for PC based control, monitoring and programming.
- ➔ Built-in FTP Server for factory automation and test and measurement applications

For more information regarding these controllers please see the full Synergy Controller Technical Manual on our website at <http://www.tidaleng.com/synergy.htm>

About Tidal Engineering

Headquartered in Randolph, NJ, Tidal Engineering Corporation has been designing and building awardwinning embedded hardware and software for test and measurement and data acquisition applications since 1992. The company is recognized for technical expertise in such areas as Embedded IEEE 488, and turnkey SCADA (Supervisory Control and Data Acquisition) systems.

Tidal Engineering Corporation
2 Emery Avenue
Randolph, NJ 07869
Tel: 973/328-1173 www.TidalEng.com
info@tidaleng.com

