



PRODUCT UPDATE

MTS AeroPro™ Software Release – October 2014

Product: MTS AeroPro Software version 6.80 has been released. This Product Update document describes the new features, enhancements, and resolved issues in this version of software.

Action: All new installations of MTS AeroPro Software should use the 6.80 release. Upgrade of older versions to the 6.80 release is recommended, subject to eligibility.

Date: October 15, 2014

Version: 6.80

Reference Number:

Technical Contact: For technical support, please contact tech.support@mts.com

Eligibility: Customers with current ME&S subscriptions are eligible to install this upgrade on covered systems.

The purpose of this Product Update is to inform MTS customers of new or updated product availability. Please review the information in this document to determine if any of your MTS systems may be affected. For additional information or technical assistance, please contact your local MTS representative <http://www.mts.com/en/about/global/index.htm>.

New Features & Enhancements

AeroPro 6.80

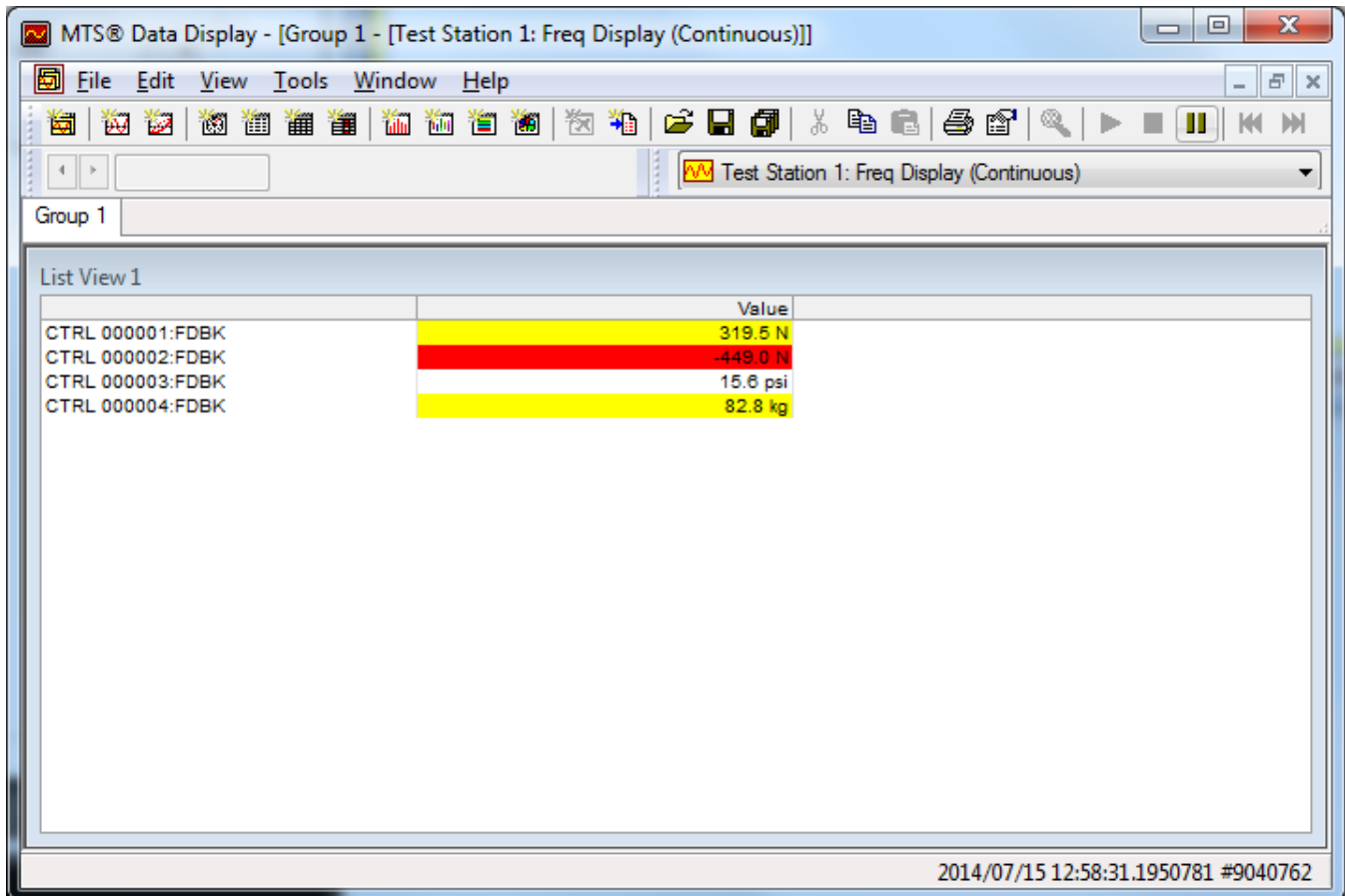
AeroPro Compatibility with FlexTest40 Controllers

- Allows for flight spectrum loading on landing gear, flight control and panel tests
- Tight integration with tests containing a large number of strain gauges



Data Display - Color Change based off a set alert value

- Users can set inner and outer alert values
- When a signal crosses the value the color will change for the displayed signal



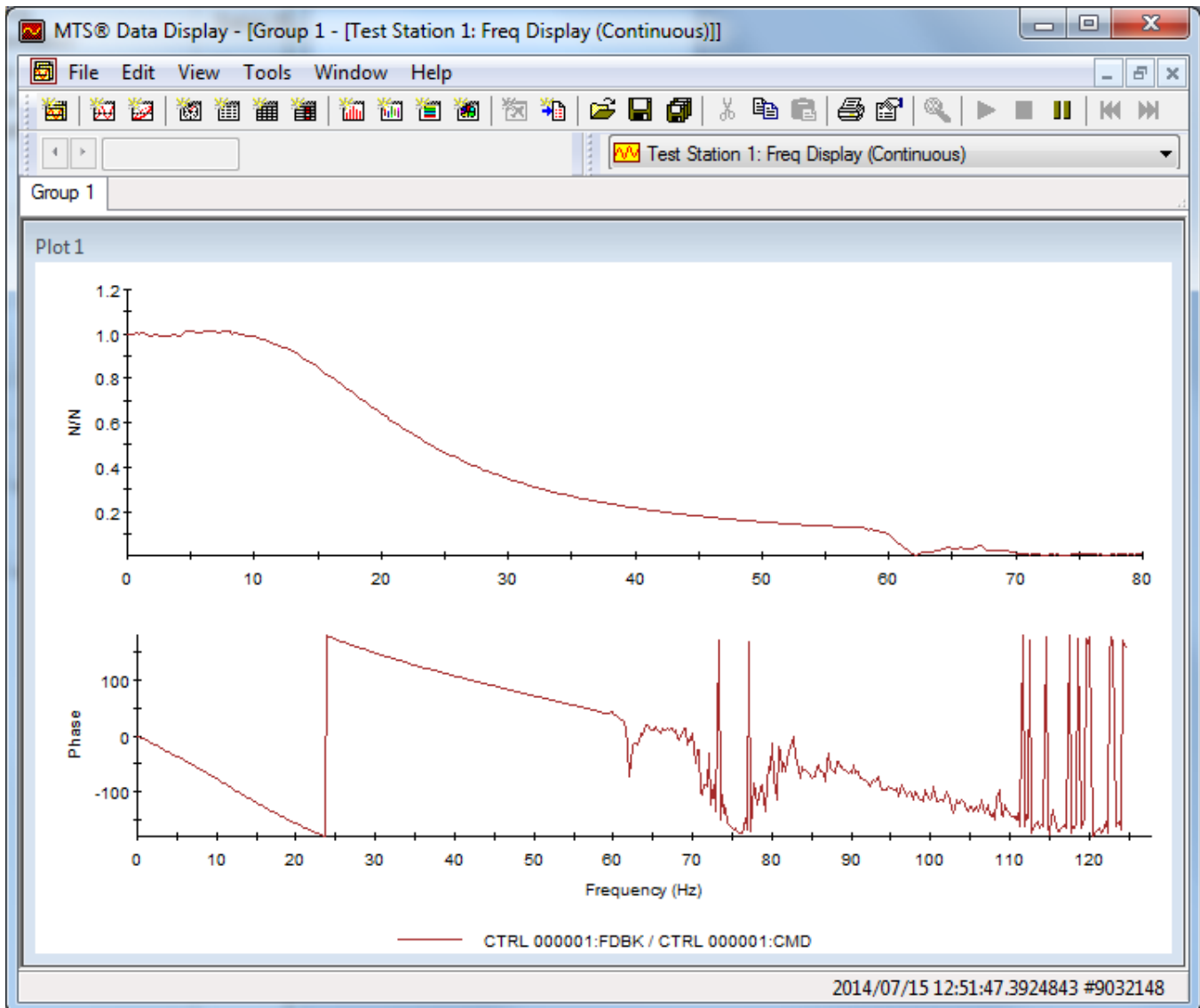
The screenshot shows the MTS Data Display software interface. The window title is "MTS® Data Display - [Group 1 - [Test Station 1: Freq Display (Continuous)]]". The menu bar includes File, Edit, View, Tools, Window, and Help. The toolbar contains various icons for file operations and data display. The main area is titled "List View 1" and displays a table with four rows of data. The second row is highlighted in red, and the first and fourth rows are highlighted in yellow. The table has two columns: "Value" and "Unit".

	Value
CTRL 000001:FDBK	319.5 N
CTRL 000002:FDBK	-449.0 N
CTRL 000003:FDBK	15.6 psi
CTRL 000004:FDBK	82.8 kg

2014/07/15 12:58:31.1950781 #9040762

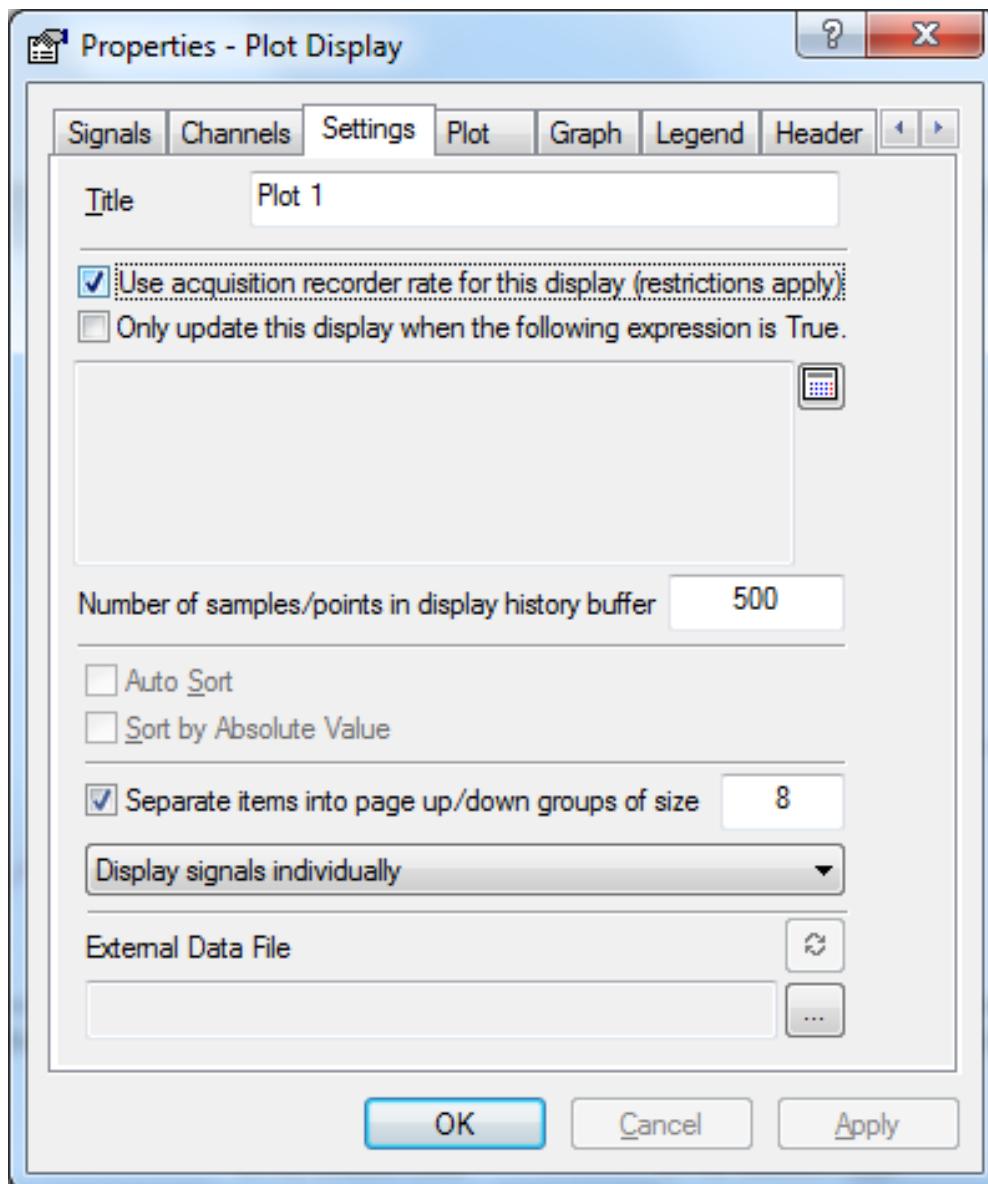
Data Display - Frequency plots

- Allows signals to be displayed in the frequency domain
- Ability to display transfer functions



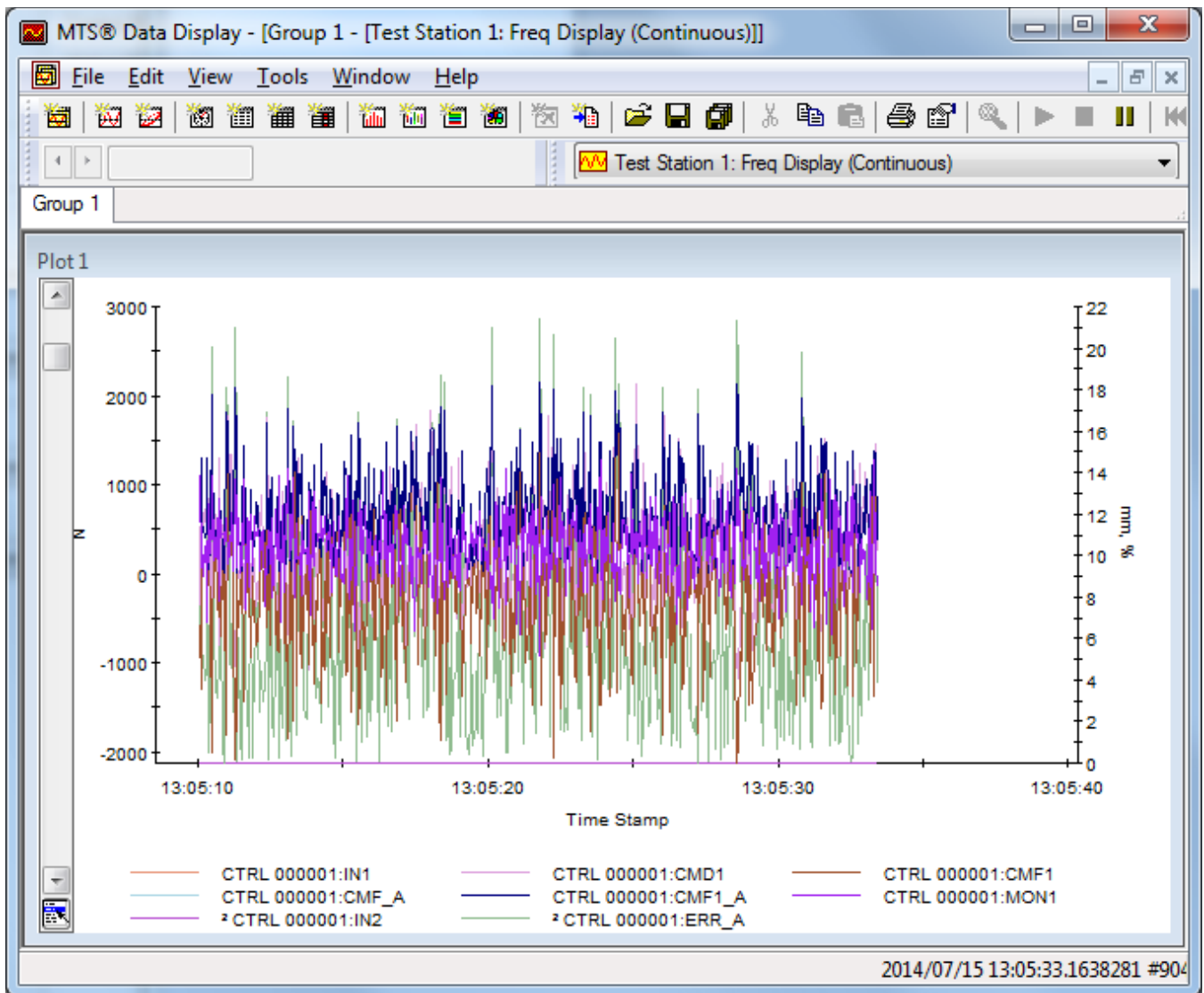
Data Display – Update at the recorder rate

- Allows up to 8 signals to be displayed at the recorder rate



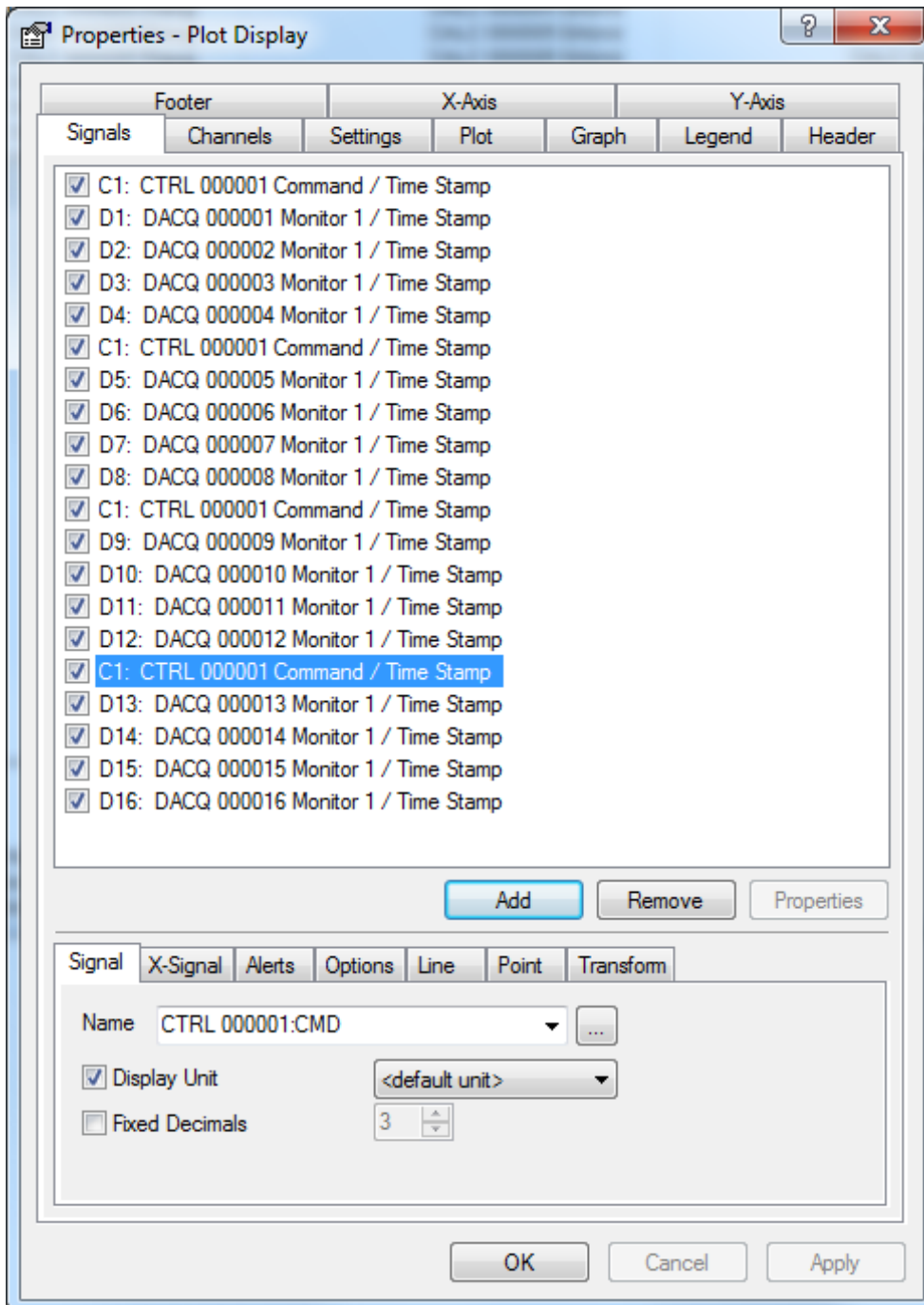
Data Display - Scroll bars

- Scroll bar added to left side of plot to quickly move through large channel lists



Data Display - Show the same Signal multiple times

- Allows user to display the same signal in EGU, percent Full Scale or percent Design Load
- The same signal can be shown in multiple pages.



Function Generator - Expanded modes

- Linear Sweep
- Logarithmic Sweep
- Random

Profile Segment Optimization (PSO)

- Enable/disable PSO on a per profile basis
- Update PSO reference time on a per profile basis

Calculation Templates

- Users can predefine calculations with wild cards that can be replaced when the template is selected

Calculated Channels – Store and recall of variables

- 8 memory locations have been added to each calculation
- Memory locations can be used to store values between updates

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