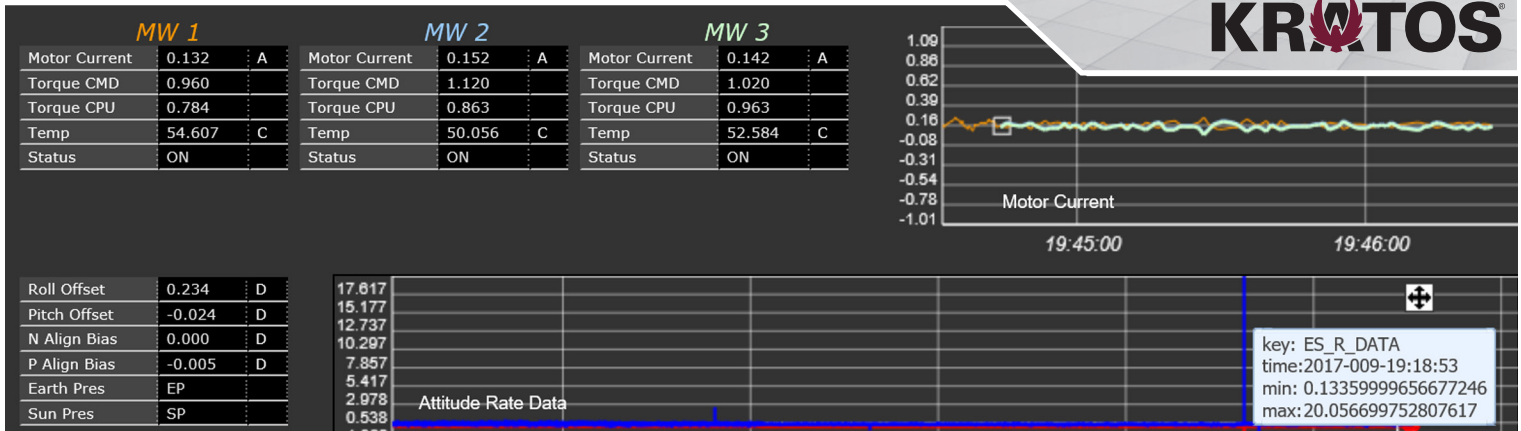


# Webic Trending with Archive Manager

A winning combination for all of your analysis and trending needs



Webic, Kratos' data-source independent web-based information client, when paired with an archiving solution, like Archive Manager, provides rich and robust trending and engineering capabilities to users across your network.

Using Webic's drag-and-drop page builder, authorized users can view and author trending displays that contain a rich set of visualization objects including:

- Strip charts
- Event viewers
- Mnemonic versus mnemonic plots (i.e., XY plots)
- Grids showing all samples received

Using any modern browser, including Edge, Chrome, Firefox, Internet Explorer and Safari, users can view displays and share them with anyone with network access. Users can navigate through trending displays with mouse and touch-friendly user interface options, including panning and zooming options, including pan and zoom on select objects.

- Build charts of any collected data easily and on the fly
- View and plot raw, finished/calibrated, or trended data, as available
- Make changes to charts with data remaining connected and updating
- Access any data at any time, while connected to a data feed or at any point afterward
- When a live data connection is down, view displays with the last recorded value to assist with immediate troubleshooting
- Export data easily from all historic objects for offline application use or for sharing in Command Separated Values (CSV), Text and Tabs (TXT), and HTML report formats

## Trending Parameters Supported

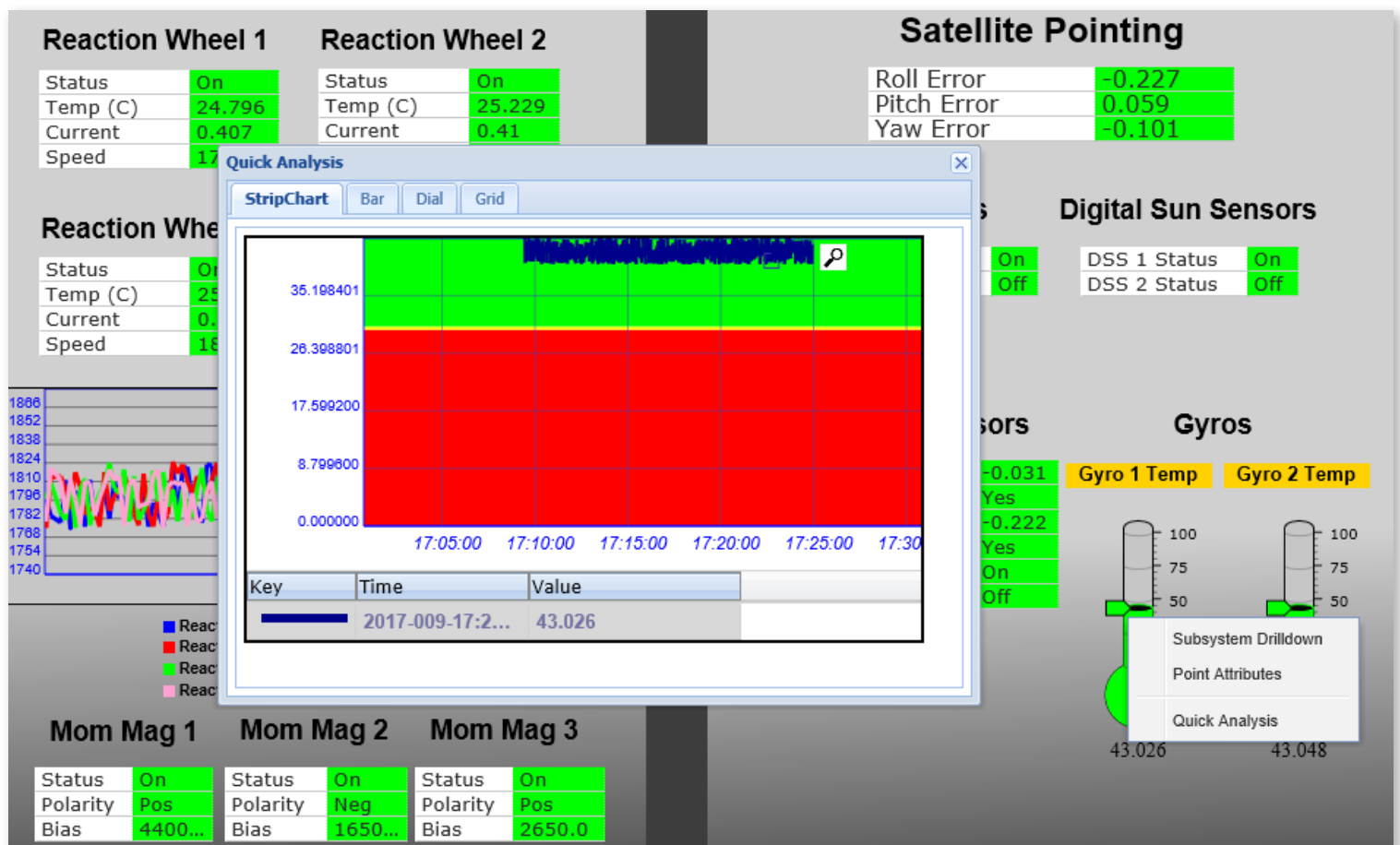
- Arithmetic Mean
- Root Mean Square
- Standard Deviation
- Sum
- Sum of Squares
- Number of Data Points
- Minimum
- Time of Minimum
- Maximum
- Time of Maximum
- Red Low Count
- Yellow Low Count
- Yellow High Count
- Red High Count
- Out Of Limit Count
- Dropout Count
- Conversion Error Count
- Checksum Error Count

- Built-in data buffering to ensure all data is provided even over a latent network connection
- Strip charts display quickly on resource constrained devices and over low quality connections by only sending data required to render
- Access historic plots on-the-fly from Quick Analysis menu from any live display
- Interface with available data using easy REST-based APIs
- Have displays available for offline review in picture or document formats (e.g., PDF) by integrating Webic with browser automation products

All data is collected and stored using Kratos' Archive Manager. Archive Manager maintains a catalog of all received data to enable it to be accessed quickly by users within the Webic user interface. When implemented with an appropriately sized storage solution, Archive Manager retains all mission products for the entire mission life or it can be configured to retain files for a configured retention period. In addition, Archive Manager generates trending statistics when needed. Trending periods include: 5 minute, hourly, daily, or orbit/pass-based.

This solution provides analysis capabilities with or without direct access to a live command and control system. When running standalone, Webic and Archive Manager can run behind a boundary protection device/unidirectional network interface allowing secure remote access to historic and live data, if available.

Available on multiple platforms, including Linux and Windows.



Easily view recent trending from any measurement display using the Quick Analysis window