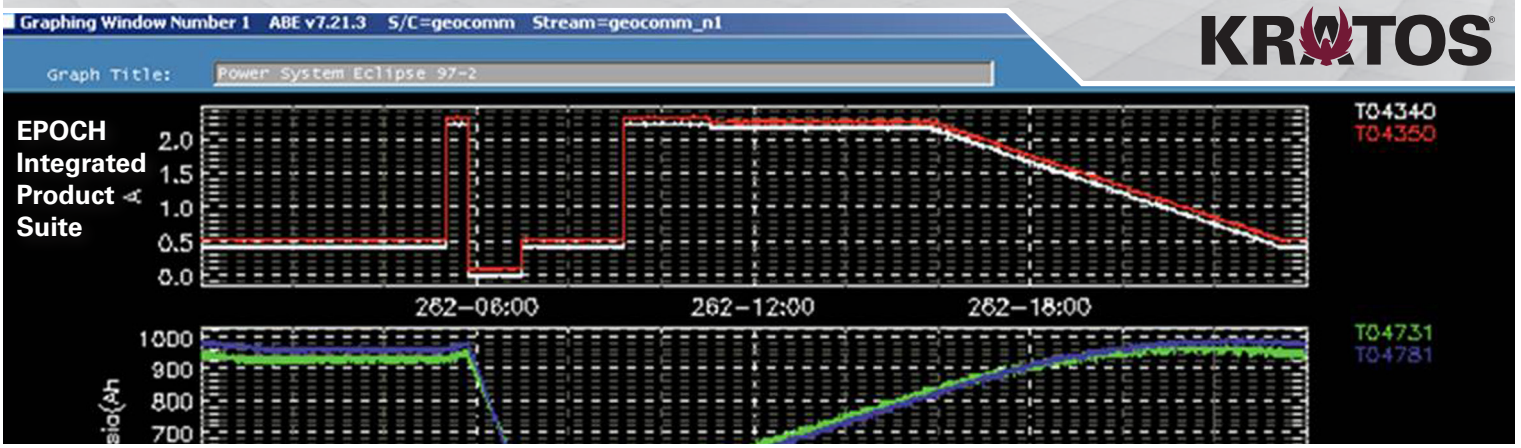
ABE®

Offline Telemetry Analysis and Display Tool



KRATOS

Overview

ABE® (Archive Browser and Extractor), is the EPOCH IPS™ (Integrated Product Suite) offline telemetry analysis and display tool from Kratos Integral Systems International, Inc. ABE is a flexible, integrated system delivering extended display and statistical analysis of archived satellite telemetry data.

ABE supports table and graph displays of telemetry, event messages, and statistics over the life of a satellite. ABE provides a simple interface between archived telemetry data and a large suite of graph and table displays designed for all control center and engineering personnel. ABE Features :

- Integrated design
- Selected for many environments
- Provides powerful analysis tools
- Automated operation
- Open

Applications/Usage

Satellite Engineers and Controllers use ABE to analyze archived real-time data to determine trends and quantify satellite and ground system performance. The flexible tools provided by ABE enable the analysis of all archived telemetry and event messages. ABE also allows the user to define the statistics to be calculated and reported on the archived telemetry data. Frequently used operational plots or reports can be saved in profiles to allow rapid duplication of the output for any specified period. By using batch mode, all operations may be automated to run without user intervention for routine analysis, or to generate special graphs or reports during off-hours to maximize system performance.

An Integrated Solution

ABE is the telemetry retrieval and analysis module of the EPOCH IPS product line, a command and control system designed to operate any number of satellites from any manufacturer with a minimum of personnel. EPOCH IPS's open architecture, graphical user interface, and automated monitoring and control features enable operators to monitor and control your spacecraft and ground equipment.

Benefits

- *Integrates seamlessly with the EPOCH IPS archival system for quick and efficient data retrieval and analysis*
- *Supports user-defined profiles for the quick retrieval of frequently used plots and tables*
- *Based on industry standard PV-WAVE software by Visual Numerics, Inc. User-written modules are easily integrated*
- *Supports GEO, MEO, and LEO missions*
- *May be used as a standalone tool*
- *Supports tabular and graphical output types*
- *Provides line, point, bar, and histogram displays*
- *Supports one or more graphs on each display page/screen with multiple items per graph*
- *Provides parameter-versus-parameter plots and other specialized plots, in addition to parameter versus time*
- *Full zoom for detailed analysis*
- *Allows the user to specify desired statistical analyses*
- *Batch mode allows unattended generation of routine reports and plots*
- *Supports automatic rescheduling*
- *Runs on Linux, Solaris, AIX, and Microsoft Windows*

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