

PermaStore™

The JDA Systems PermaStore IRIG106 Chapter 10 recorder utilizes JDA's modular VuSoft software to provide simultaneous recovery, recording, display and distribution of real-time telemetry, video, audio, MIL-STD-1553B, ARINC429, analog, discrete, UART and other formatted data streams in a modular, network centric environment.

The PermaStore can also optionally regenerate any of the data types recorded by itself or on any other manufacturers IRIG106 Chapter 10 compatible recorder.

The PermaStore is available as a stand alone laboratory unit, a 19 inch rack mounting unit or integrated into the JDA Systems Portable Test Unit (BOB2).



Through the use of a library concept the VuSoft software is modular and virtually independent of the data source. This ensures an evolutionary path so that the PermaStore can maintain compatibility with new PC hardware and software technology and any new data formats as they become available.

Import and export functions provide direct access of the data in most popular databases including TMATS, Access, dBase and Oracle. A "Basic-like" Math Engine is included to generate derived parameters that may be used just like measured parameters even as inputs to other derived parameters.

Unclassified		Unclassified		Unclassified		Unclassified	
Ch.	Type	Status	ID	Name	PCMin1	Throughput	
1	PCM	0.00%	2	PCMin1	Time Line	Strip Chart	Frame View
2	PCM	0.00%	3	PCMin2	Words: 32 Frames: 1	Lost: 0	Bits/Second: 0
				Major Frame: SRH CHK LCK		Minor Frame: SRH CHK LCK	
				000:00:00:00:000		000:00:00:00:000	

File Name: C:\Temp\DATAnew.CH10

000:00:00:00.000

04/07/2009 12:00:34 Session Started
04/07/2009 12:00:34 Permstore Created

Record Preview CPU 4% MEM 70.6% Network On Exit

System Idle Warnings: 0 Errors: 0 097 12:00:42.1B

PermaStore Environment

For more information, please contact your local agent or contact JDA Systems directly:

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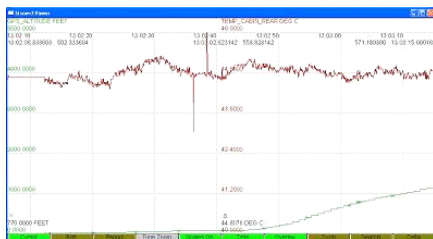
PermaStore Features

- Format and Data Decoding of Multiple Streams in Multiple Formats
- Record in IRIG106 Chapter 10 Format
- Regenerate from IRIG106 Chapter 10 Format
- Time Alignment of All Data Streams and Displays
- Over 50 Standard Display Types
 - ✓ Tabular, Alarms, Bar Graphs
 - ✓ FFT's, Line Graphs, Strip Charts
 - ✓ XY Plots, Digital Filters, Discrete
- Free Standing or 19" Rack Mounting
- Math Engine for Derived Parameters
- Encrypted Network Data Distribution
- Change Parameter Definitions On-The-Fly
- Client Software with Full Display, Math and Recording Capabilities
- Post-Processing and Report Generation
- External and Embedded Time Formats:
 - ✓ IRIG-A, B & G, GPS
 - ✓ MDBM, MABM, MTCG
 - ✓ Aydin IRIG A & B, FMV, TTC

PermaStore Format Decoders

- Data Recording Options
 - ✓ IRIG106 Chapter 4
 - ✓ IRIG106 Chapter 8
 - ✓ MIL-STD-1553B
 - ✓ 16PP
 - ✓ ARINC429
 - ✓ Discrete
 - ✓ Video & Audio
 - ✓ Analog
 - ✓ UART (Serial Streams)
 - ✓ TMoIP
 - ✓ IRIG106 Chapter 10
- Data Replay Options
 - ✓ IRIG106 Chapter 4
 - ✓ IRIG106 Chapter 8
 - ✓ Embedded PCM & Asynchronous Streams
 - ✓ Embedded Serial Streams & Audio
 - ✓ MIL-STD-1553B
 - ✓ 16PP
 - ✓ ARINC429
 - ✓ Discrete
 - ✓ Video & Audio
 - ✓ Analog
 - ✓ UART (Serial Streams)
 - ✓ TMoIP

Data Analysis & Reporting



- Multiple parameter display with overlaid or stacked, time aligned traces
- FFT and digital filtering
- Applied Free-Form Math Functions
- Comprehensive Data Export
- Plot channel vs. time (Y-t plot)
- Channel vs. Channel (X-Y plot)
- Direct Cursor Access to EU Converted Data Values
- Automatically Display Data with Highest Possible Resolution
- Display Min/Max Values Between Decimation Points
- Digitally Filter Data (High/Low/Band Pass)
- Text Insertions with Data Values, Time & User Text
- Data Zoom to Individual Sample Level

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