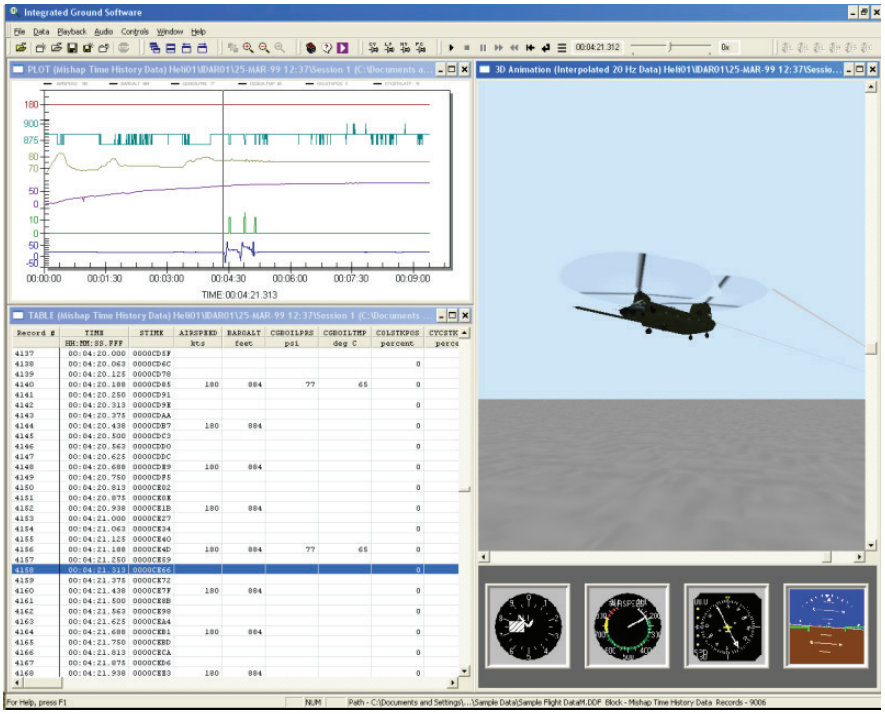
GE Aviation's Integrated Ground Software: view, replay, and analyze flight and audio data in a comprehensive ground support software application.

GE Aviation's Integrated Ground Software (IGS) is a comprehensive ground support software application that allows the user to view, replay, and analyze flight and audio data recorded by GE's solid-state crash survivable Cockpit Voice and Flight Data Recorder systems.

The IGS is a Windows-based single application solution that quickly displays recorded aircraft data parameters and provides powerful data analysis capability.

Replay capability can be tailored to user requirements. Parameters can be reviewed graphically or in tabular format (in engineering units), or both simultaneously. An optional audio replay capability provides time-synchronized playback of audio data with flight data. Basic 3D visualization of the aircraft in flight is also available in sync with the data.

The IGS event processing function lets the user define events or exceedances that can then be identified in selected flights or flight segments.



Key features:

- Graphical User Interface (GUI)
- Stores user preferences and setup configuration settings
- Integrated HELP and demonstration tutorial
- Easy to use familiar Windows interface
- Reference manuals

Flight Data Review

- Automatically retrieve and format flight data in engineering units for review/analysis
- View and manipulate flight data in a graphical display
- Plot multiple parameters within a given recording session
- View histogram tables or histogram plots
- Coordinated interaction between tabular, graphical and optional 3D display modes, and audio
- Selectively print some or all of the flight data in tabular or graphical form
- Create a new file containing only selected parameter and flight regions

Exceedance and Event Processing

- Define simple and complex search criteria to analyze flight data files for user defined exceedances. The IGS provides automatic navigation to each exceedance occurrence.

Data Export

- Export flight data as a Comma Separated Variable (CSV) file for use in commercial off-the-shelf software applications.
- Export flight data as formatted text report
- Export flight data as a subset and/or legacy DDF
- Export flight data manually or automatically
- Export audio as wave (with optional, additional privilege)

Audio Playback (Optional)

- Audio Playback capability is available for Mishap investigation and analysis.
- Play audio data files using standard SoundBlaster® compatible hardware.
- Selectable audio output playback of all channels simultaneously or any combination of channels
- Random access of audio data provides software controlled “fast forward” and “rewind” VCR-like controls
- Provides time correlated playback/ viewing of flight data with audio data and 3D

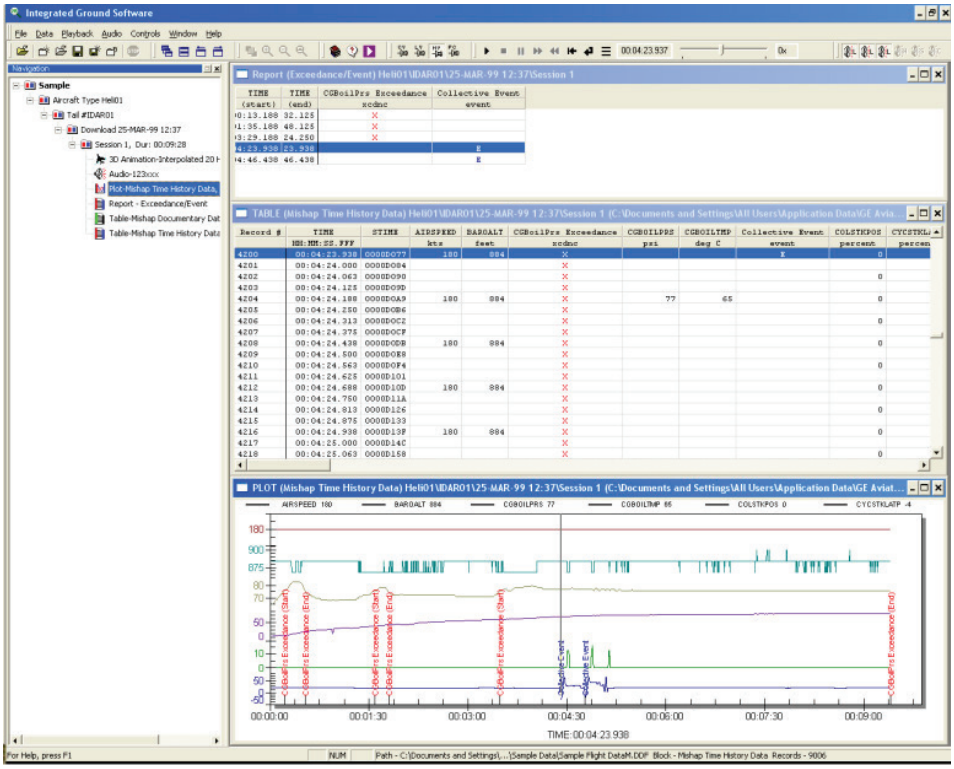
User Logging

- IGS captures message logs of all background user operations

Supports Lear Siegler/Smiths/GE Aviation Legacy Recorder Products

Host Requirements

- Minimum hardware
  - Computer: 1 GHz processor
  - Memory: 1 GB RAM, 10 GB available hard disk space
  - Peripherals: CD-ROM drive, Sound card (for optional audio replay)
  - Display: Color XGA (1024 x 768 minimum), 128 MB video memory for 3D display
- Recommended hardware (for average recorder system)
  - Computer: 2.8 GHz Dual Core processor
  - Memory: 2+ GB RAM, 100+ GB available hard disk space
  - Display: SXGA, SXGA+, UXGA or UXGA+, 3D open GL video with 128 MB minimum memory
- Operating system software
  - Compatible with Windows 7 and Windows 10, 32-bit and 64-bit



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