Insight|Animation includes Insight|Analysis and visualizes source binary data from virtually all FDRs, DARs, and QARS or full flight simulators. CSV (engineering units) spreadsheets of processed flight data can also be used; however, using the original binary flight data interactively is a unique capability of Insight|Animation and is recognized as the most efficient. Insight|Animation can be used automatically to visualize FOQA events as well as cope with a major accident investigation. Cockpit displays only show a small percentage of what is recorded. With Insight|Animation, users can custom develop their own displays to highlight the parameters of interest to any particular analysis. The software is configured to automatically derive additional parameters and generate flight paths from a variety of options developed over years of use on the vast majority of investigations world-wide. The software can generate an animation within seconds of identifying a FOQA event, and/or be used to manually generate the animation each step of the way to facilitate a major accident investigation.

Insight|ProView, a subset of Insight|Animation, is an interactive viewer ideal for debriefing. Insight animations can be stored in one self-contained, encrypted, secure file (Insight ‘view’ or .isv) for replay in Insight|ProView. Insight|View is a freely available non-interactive viewer which eliminates the need to create AVI video files. While AVI video files can be generated, they are orders of magnitude larger and less resolution than native Insight ISV files. Animations developed in Insight can be distributed in either the ISV or AVI formats.

Insight|Animation now has full integration with the Flight Analysis System (FAS) for unparalleled 3D animation capabilities.

The Insight product line was transferred to Plane Sciences from CAE as of February 2017

www.planesciences.com
Insight is designed to handle the full spectrum of data analysis challenges. The same software can be used for accident investigation, FOQA/FDA, simulator debrief and training.

**Insight|Animation capabilities**

- Replays all QAR, DAR, and FDR types and the B787 ARINC 767 data format, Thales VQAR PMF files for A350
- 'On the Fly' engineering units conversion from raw binary flight data
- Pre-configured for automatic flight animation
- Color coded subtitles ideal for displaying CVR/ATC transcripts
- Customizable contrails
- Individual parameter interpolation control methods
- Dynamically modify parameter behavior prior to display
- User definable instrument displays and layouts
- Multiple advanced flight path generation algorithms
- Animation synchronized with plots and tabular listings
- Automated and adapted for FOQA/FDA/FDM/MOQA programs
- Used for airport familiarization programs

**Insight|Animation includes integrated Insight|Analysis functionality**

- Save new displays as templates for future use
- Unlimited cameras, perspectives, sub-windows
- Designed to handle the most advanced/complex accident investigation
- Replay multiple time-sequenced audio files
- Unlimited multiple aircraft or superimposing multiple flights
- Full data plotting and tabular listing
- Automatic or manual derivation of other parameters
- Rapid generation of AVI or ISV (Insight compatible) animations
- Extensive library of panels, instruments, and aircraft models
- 3-D World Terrain Database (1km resolution terrain and image data)
- Accepts high resolution Digital Terrain Elevation Data

Insight|Animation is the only flight animation system designed to interact with ARINC formatted flight data, and is used and trusted by the vast majority of air safety investigators at both government and aircraft manufacturers.