

# Radar Analysis Debriefing System (RADS)



## Ideally suited for studying aviation events.

The Radar Analysis Debriefing Systems (RADS) is a stand-alone system for displaying flight surveillance data in a three-dimensional environment. RADS has the ability to provide investigators, managers, executives, regulators, air crew and controllers with a highly realistic animation of an incident, accident, or any air occurrence of interest.

With RADS, you can play back and analyze aircraft positions in space and time, listen to Air Traffic Control (ATC) voice recordings, and view ATC transcript simultaneously. Aircraft flight paths, ATC audio, and ATC transcripts are all synchronized in real-time.

Also, the RADS “Wizard” interface enables quick creation of flight animation by selecting the desired radar data file, aircraft of interest, 3D terrain and audio or text transcripts. The animation can be saved as a video file and replayed with full interaction capabilities.

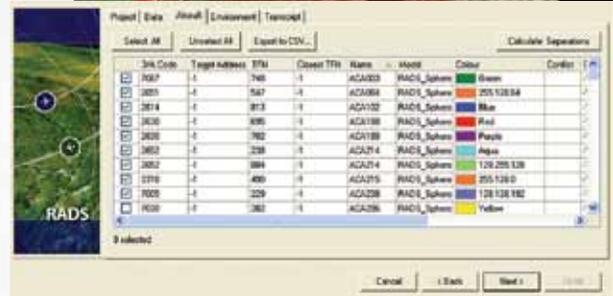
RADS has been continually enhanced to also incorporate the latest in airborne surveillance technology including MLAT and ADS-B.

A mature system and the only advanced tool of its kind, RADS can give you detailed insight into complex air occurrences.

## Product Benefits

RADS is designed to make flight data intuitive, visual and easy to follow. It offers multiple benefits to trainers, investigators and decision makers including:

- immediate incident level analysis at the area control centre and control tower facilities,
- clarity of *'what happened'* and *'why it happened'*,
- aid for improved operational, legal, and corporate decision making, and
- effective debriefing tool for air crew and controllers



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## Technical Features

Adaptable to any air traffic control environment, RADS is designed to meet your needs regardless of your geographical location. As well, its three-dimensional, fully interactive display with colour coordinated flight trajectory makes RADS an intuitive and easy-to-use system. Other features include:

- Multiple configurable windows and cameras
- Compatibility with azimuth, slant range, and Mode C radar track data
- Compatibility with digital audio files
- Transcript audio system that removes background noise and slows down or speeds up speech while maintaining the audio pitch to synchronize with playback speed
- Digitally transcribed template data to generate more accurate transcripts
- Derived distance between targets
- Derived heading and vertical speeds displayed as trend arrows
- Colour-coded targets that change colours to show separation loss
- Colour-coded text subtitles
- Compatibility with Windows-based laptop or PC
- Ability to export industry standard AVI video files
- Compatibility with RADS/Viewer which enables video playback at much higher resolution and smaller files sizes than AVI

RADS is co-developed and marketed by NAV CANADA and CAE Flightscap and is a subset of Flightscapes's Insight<sup>®</sup> product line. For all questions or enquiries on this product, contact us.



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