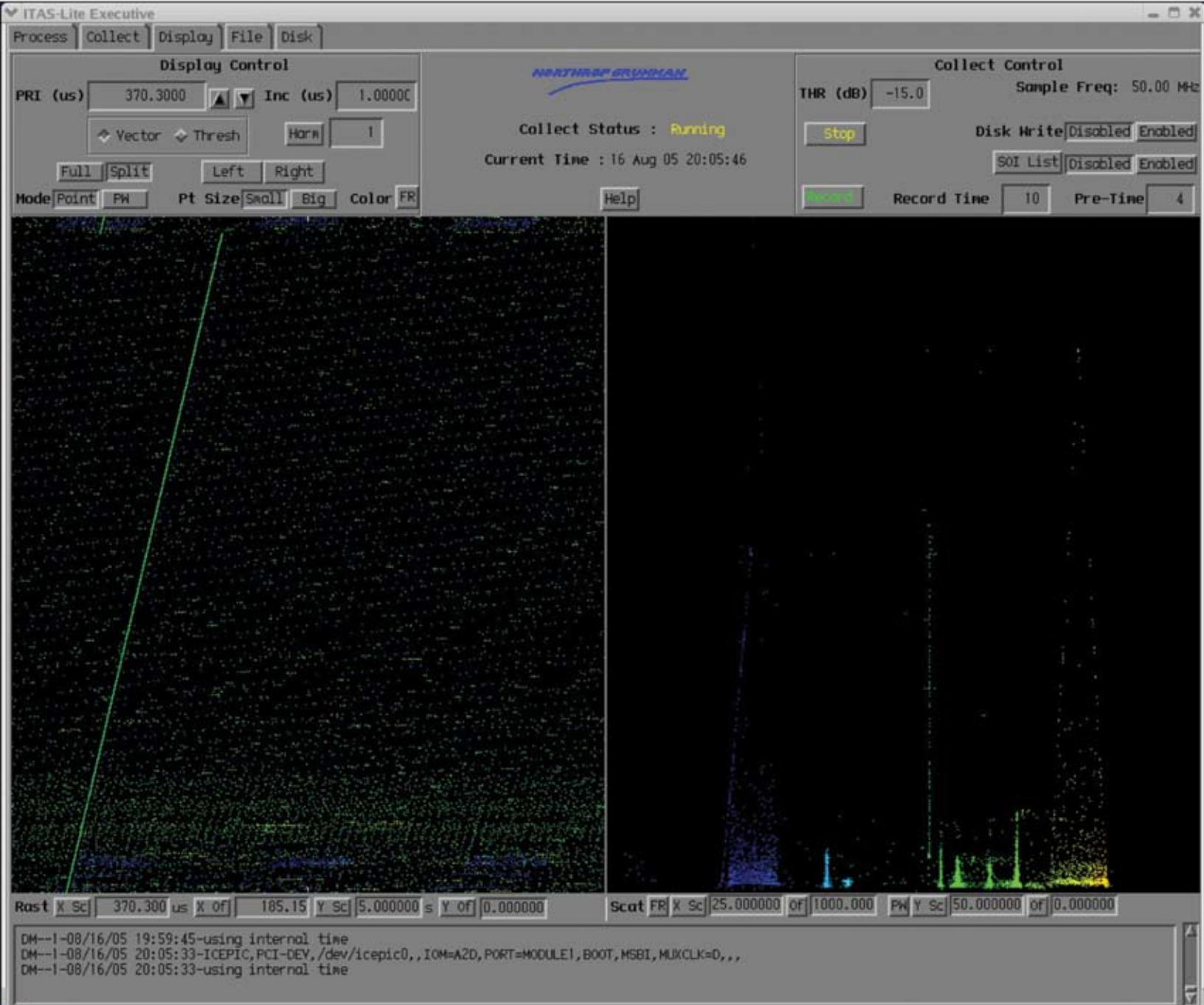
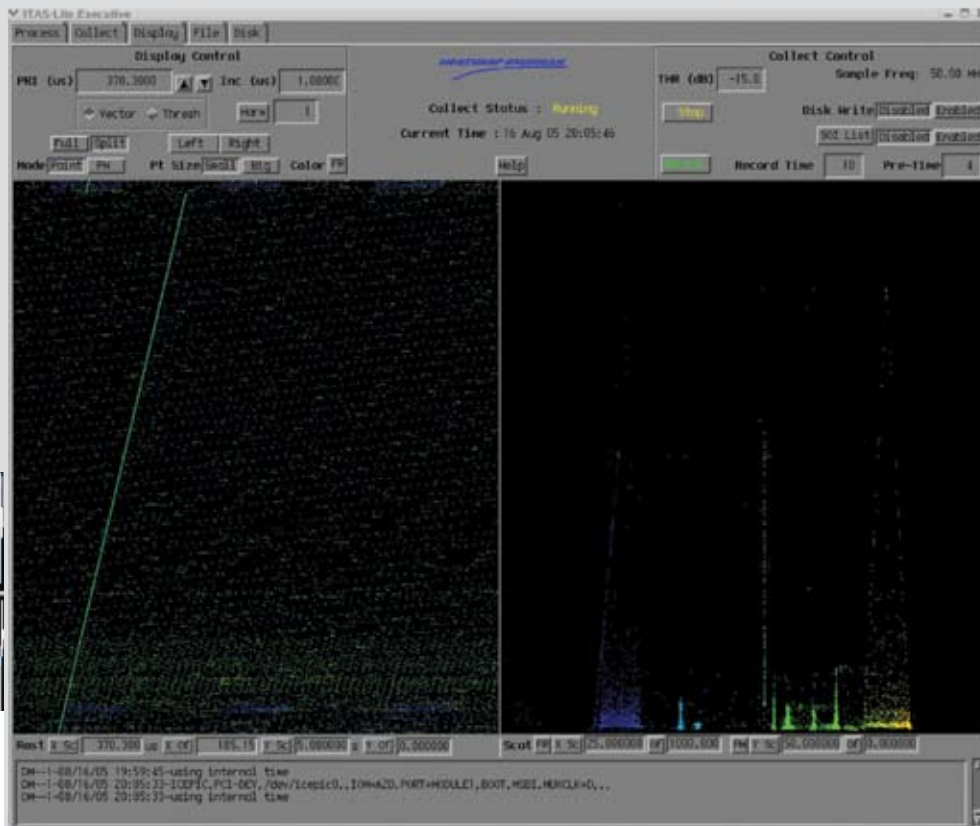
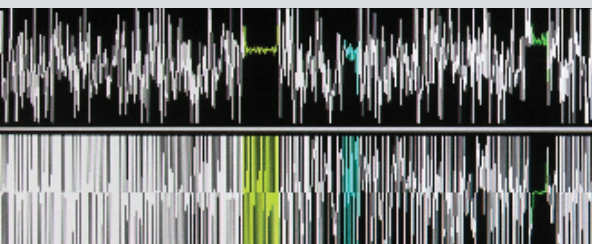


Integrated TECHE and Analysis System

ITAS-Lite – Simplified Collection Screening



ITAS-Lite is a simple-to-use data screening and collection system. Here, its main signal display shares the screen with a falling raster and frequency, pulse width scattergram.



Northrop Grumman's Integrated TECHÉ and Analysis System (ITAS-Lite) is part of the PASS family of interactive ELINT tools. ITAS-Lite is designed for collection analysts who make digital recordings of real-time signal data input. Its extensive signal screening capabilities are presented on a simplified display.

Capabilities

- Real-time data collection. Built-in, commercial analog to digital module. Bandwidths to 80 MHz.
- Real-time disk capture. Tools for managing files created from incoming sample data.
- Real-time parameterization and display. Displays pulse data in falling rasters or pulse scattergrams.
- Snapshot deinterleaving and identification. Shows signal results in their environment as they are collected.

- Streaming spectral analysis display (SASS). Shows frequency spectrum of data as it is collected.

Use and Features

Featuring a simplified interface, ITAS-Lite automatically starts processes and collection sampling. As it collects and records data, ITAS-Lite displays the data in real-time, allowing pulse or frequency environment screening. Analysts can change the falling raster PRI rate to monitor Pulse Repetition Intervals (PRIs) of interest. The spectrum analysis display allows the collection bandwidth to be monitored for activity.

In addition to continuous data collection to disk, analysts may initiate data recording when a signal of interest appears on the displays. File size is limited only by the capacity of available disk storage. Files can be retrieved and analyzed with the PASS analysis system. Digital converter sample data and pulse descriptor word data can be stored.

The PASS deinterleaver and identification is integrated into ITAS-Lite. The deinterleaver creates signal results and makes them available automatically, as data is collected. A signal of interest list enables signal alarming to cue analysts to start disk recording.

Warranty and License

Northrop Grumman recommends an optional, extended maintenance contract for the software tool. The software is licensed and controlled by the International Traffic in Arms Regulations (ITAR), 22 C.F.R. 120-130. Export of the software is subject to prior approval by the U.S. Department of State.

For more information about Northrop Grumman's ITAS-Lite and related products, please contact:

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