



Sandia
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Contact:

Bryant Sterling
505.844.5910
bsterl@sandia.gov

Craig Hanna
925.294.6909
cjhanna@sandia.gov

NAPGS & SDADS

Our Mission is to provide automated, reliable, secure and near real-time satellite telemetry data

The NUDET Detection System (NDS) Analysis Package (NAP) Ground Segment (NAPGS) and the Sandia Data Analysis and Display System (SDADS) provide the infrastructure to capture, deliver and display data received on the downlink from the NAP Space Segment. NAPGS receives telemetry data from Block IIR and IIF GPS satellites. It processes the telemetry stream and delivers data packets to SDADS. SDADS's mission is to maintain Sandia's repository of USNDS data, provide a common set of validated tools for routine and investigative analysis and user support, provide a platform for user-developed tools. Also, It loads, index, cleanse, synthesize, and disseminate USNDS data products.

NAPGS Features:

- Unmanned 24/7 operation
- Continuous telemetry data processing
- Automated satellite scheduling and tracking
- Ability to monitor near real time state-of-health.
- DOE and DoD accredited security infrastructure.

SDADS Features:

- Stores all GPS, DSP, SABRS, and ICADS events
- Over 100 users, 25 actively used tools
- 900K telemetry packets processed/day
- Query Analysis and Display(QuAD) tool provides ICADS displays for both ICADS and Synthetic End Products (EPROs) queried from SDADS Database

