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AAG Conducts Flight Experiments using a 1979 Cessna R182

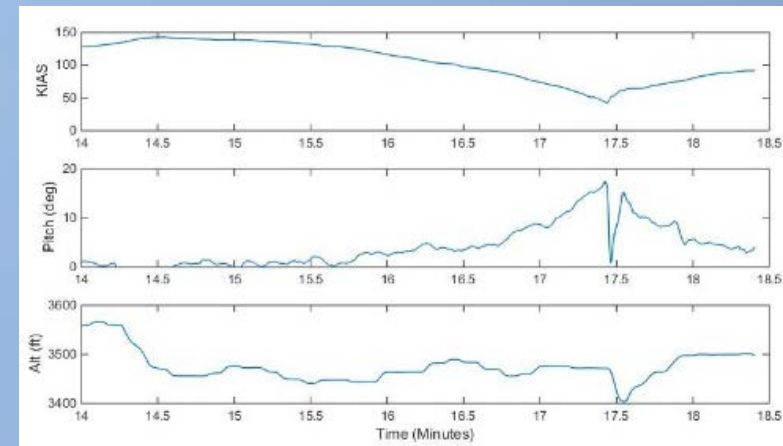


AAG has Access to a Second Aircraft for
Multi-Aircraft Flight Experiments



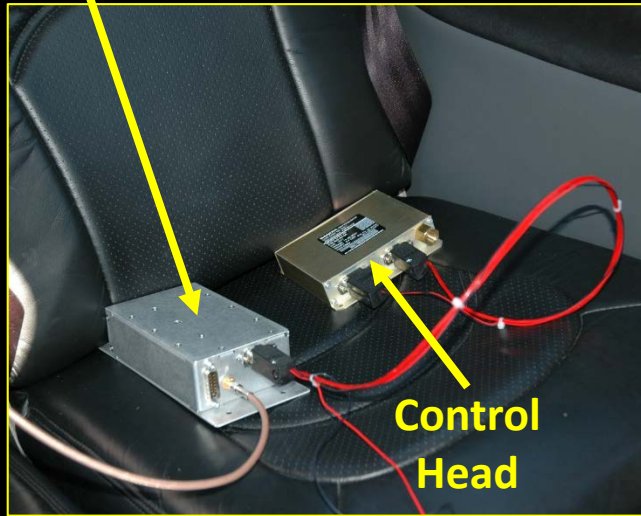
**N736WP is Equipped with Data Recording
from Many of the Flight Instruments:**

- Aspen Evolution 1000 Pro PFD
- Dual Garmin 430w Nav/Coms
- Garmin GDL-90 ADS-B
- S-Tec 55x Autopilot
- PS Engineering 8000 Audio
- JPI 930 Engine Monitor



Work with Sandia Aerospace

Remote-Mount
Transponder



Control
Head



Performed Flight Checks of
Mode A/C Transponder;
Now on the Market

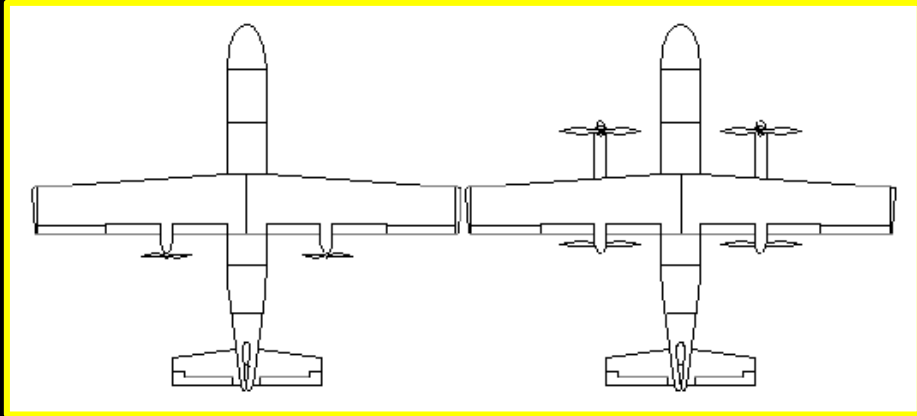


Conducted TSO Flight
Checks of Quattro
(TSO Submitted)

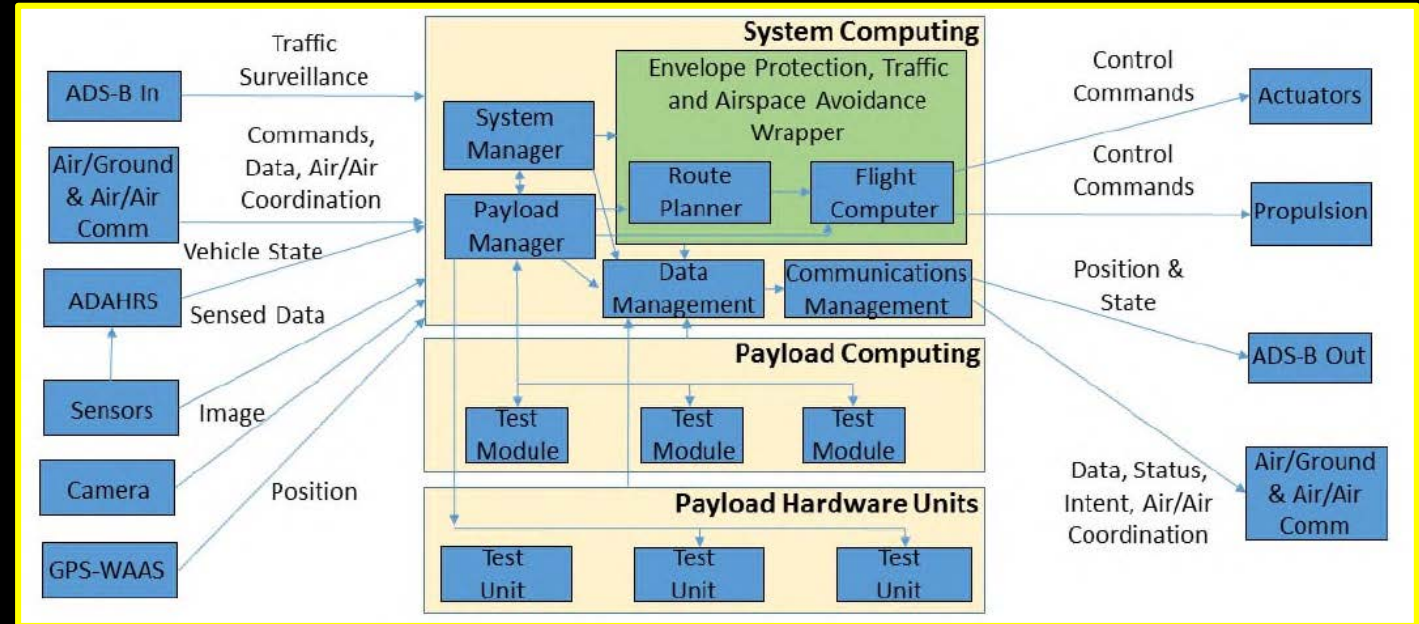


Supporting Design and
Future Flight Test of
Combined Mode A/C
and ADS-B System

Safe Autonomy Flexible Innovation Testbed (SAFIT)

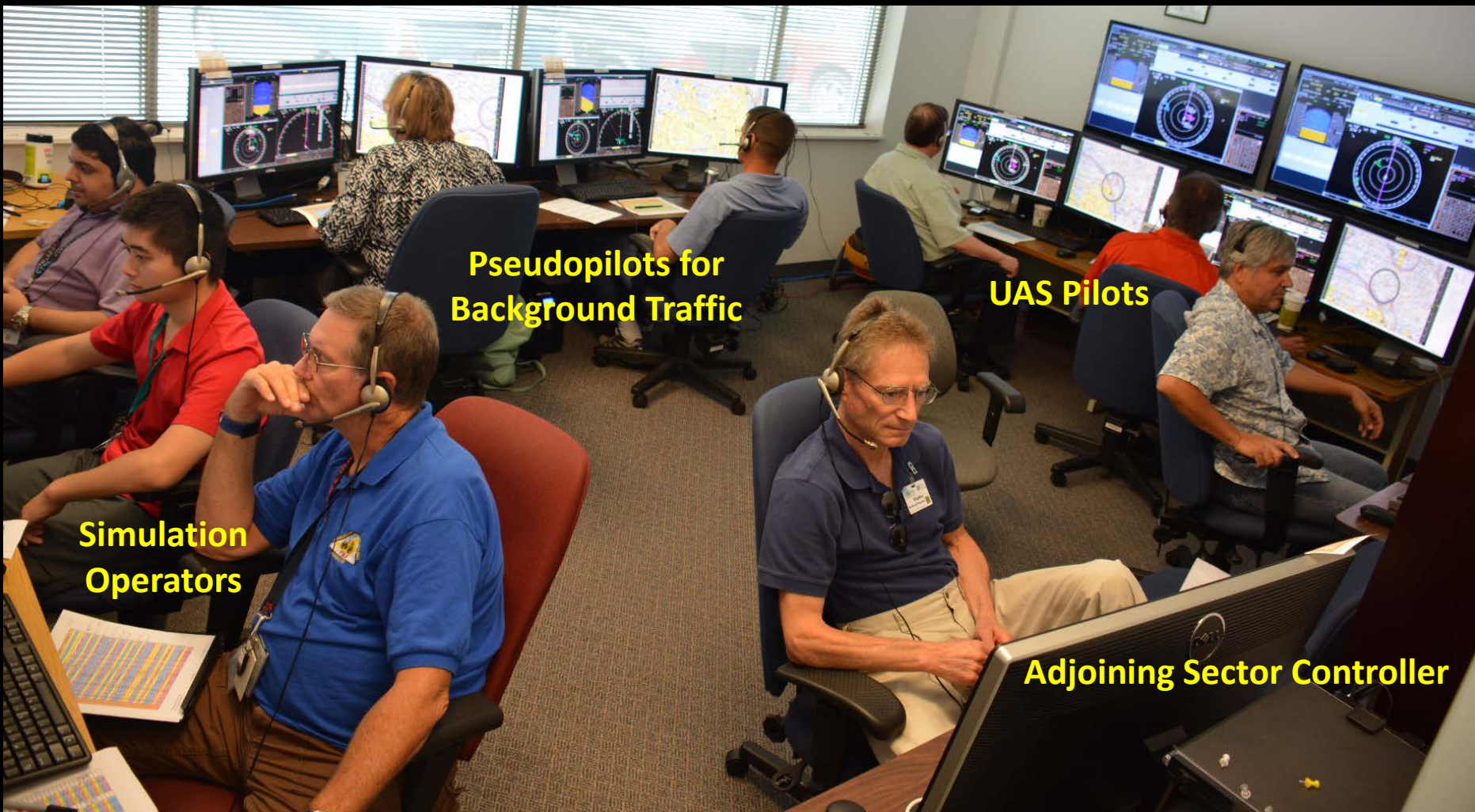


Reconfigurable UAS vehicle to support both VTOL and efficient cruise



SAFIT Avionics Package protects aircraft from experimental autonomy systems: envelope protection, geofencing, emergency landing system, and conflict detection and resolution.

Piloted and Batch Simulations of UAS Integration in the National Airspace System for NASA



Supports RTCA SC-228 WG1: Detect and Avoid

NextGen Air Traffic Management Research



Support:

- **Trajectory-Based Operations Concept Exploration**
- **Closely Spaced Parallel Runway Operations**
- **Interval Management**



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