

National Science Foundation Lower Atmosphere Observing Facilities

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GEO/AGS





Current Fleet

- **C130Q**



- **Gulfstream G-V**



- **Beech King Air 200T**





Current Fleet - Utilization

Approved flight hours in FY16

- **C130 - 20 hours in support of Airborne Research Instrumentation Test Opportunity (ARISTO)**
- **G-V - about 136 hours in support of O₂/N₂ Ratio and CO₂ Airborne Southern Ocean Study (ORCAS)**
- **Wyoming King Air – 50 hours in support Multi-function Airborne Raman Lidar (MARLi) test campaign**



Current Fleet - Utilization

Approved and requested flight hours in FY17 and beyond

- C130 - 80 hours – under review
- G-V - about 20 hours in support of imaging of the Aug 2017 solar eclipse; 350 hours under review
- Wyoming King Air – 96 hours in support of Seeded and Natural Orographic Winter Clouds: the Idaho Experiment (SNOWIE)



Status of A-10 Storm Penetration Aircraft

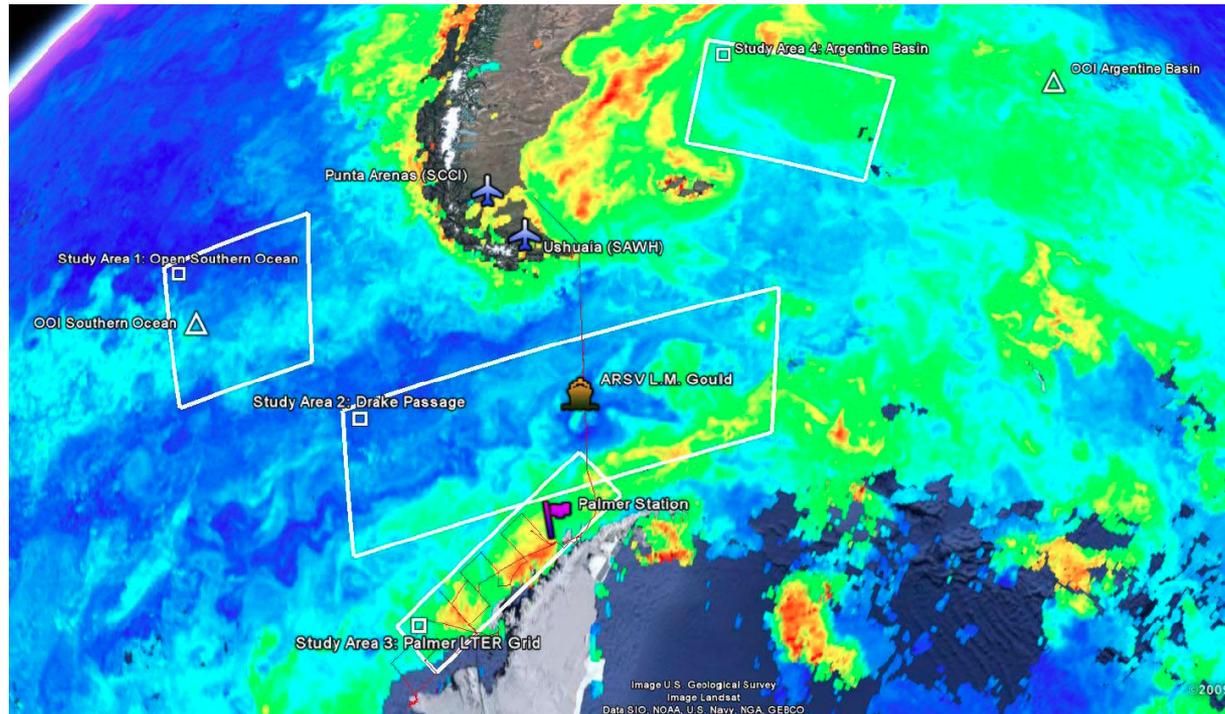
- NPS involvement will end in Sept 2016
- NPS subcontractor, Zivko Aeronautics, will ready the aircraft for ferry
- Currently working with NCAR and NASA AFRC to develop a plan to complete modifications
- Timeline pushed into future about one year
- Negotiating MOAs with USAF, ANG for support
- Will be competing the operations/maintenance of A-10 following modifications



Completed Projects



- G-V; 15 Jan – 28 Feb 2016; based in Punta Arenas, Chile
- Trace gases, JPL PRISM





ORCAS



The O₂/N₂ Ratio and CO₂ Airborne
Southern Ocean Study

Foundation

