

# IWGADTS Update

## Inter-agency Working Group for Airborne Data and Telemetry Systems

ICCAGRA Meeting  
May 22, 2008  
Chris Webster

# IWGADTS Mission

- identify interagency needs for data and networked systems
- improve interoperability of airborne platforms between agencies
- enhance opportunities for interagency sharing of aircraft resources, airborne instrumentation and data to minimize duplication, and to expand science investigators' access to interagency assets
- provide technical standards **recommendations** to senior level decision makers
- evaluate the current state of interoperability and recommend, as appropriate, interagency standards to facilitate the development of common data and networking systems leading to a fully interoperable global observing system which includes suborbital and space-based components

# Background

- We have met 6 times since January 2005
- Timing recommendations (NTP & IRIG)
- Primary recommendation to date is the IWG1 real-time onboard data feed.

# Past Year

- Met last fall
  - Using XM Weather? Will GoogleEarth 4.3 weather eclipse the need?
  - Attend HDF Workshop (done).
  - Combined with SATCOM workshop
  - Data Discovery (how do I find WindSpeed in this data-set?).
  - Define problem of portable instrument.
- February meeting postponed until June 5<sup>th</sup>.
  - Rename iAC-BASIS?
  - Charter up for review.
  - HDF/netCDF/OpenDAP update/discussion.

# SATCOM Workshop

- Get what we have working more reliably and automated
  - Communication – IRC "Chat".
  - Data to ground.
  - Google Earth onboard.
- Remote Instrument Control; at the doorstep issue.

# IWG1 Packet

- Very useful and effective.
- Used on all NCAR and many NASA aircraft.
- Used on the ground in real-time by NASA.
- AVAPS Workshop recently plugged it.
- Software readers:
  - Labview reader (from AVAPS group).
  - Aeros (RAF display program), NASA & DLR looking into using this.

# Where are we?

- We continue to locate and define problems and work solutions.
- What scope should we assume?
- Landscape has been shifting
  - Networked instruments
  - Ground communication
  - Google Earth

# Questions:

- Charter is up for review June 5<sup>th</sup>.
  - Review Strategy Paper also.
- Group Scope:
  - Real-time field project oriented
  - Post Project: Archival file formats, etc.
  - GEOSS?
  - Invite International Players?
  - Invite Industry Players (Lockheed)?

# Website

- <http://wiki.eol.ucar.edu/iwiki>