

IASOA Data & Observations Working Group

March 28, 2018

Attendees: Sara Morris, Taneil Uttal, Chuck Brock, Siri Khalsa, Robin Stevens, Barbara Casati, Audra McClure, Amelie Neuville, Gijs de Boer

Introduction of group members

Presentation on ICARTT (Brock):

- Overview of data format and availability for ICARTT
 - o Example of ascii text files produced
 - o Consistent time base
 - o File includes a header, txt file, PI information, instrument details, contact details, location details, other associated files, description of data, processing details
 - o Data is sequential in time; produce several file with different time frequencies (1-minute, hourly averages, etc.)
 - o Data can be used for airborne or ground analyses
 - o Data merges: average to same time base
 - o Each file name incorporates the date of the start of the flight
 - o New versions replace old versions, don't have public access to all versions only the latest/best version
 - o Have a file format checking software to ensure data is submitted in correct format
- YOPP concern over text file size for model outputs; netCDF would solve this size storage issue
- Make sure, regardless of file type, that header info is represented in the file so that metadata is properly handled and distributed
- There are established tools for these file format conversions so don't need to re-invent the wheel
- PI's of measurement would be responsible for getting data into correct format, using existing tools
 - o Ingesting data tools from NASA
- Formatting can always be converted, but need to focus on establishing a consistent time base for all data to be written in
 - o Establish consistent time-interval for similar data sets
- ICARTT can be modified to fit any type of data or measurements

Action Items:

- Send out ICARTT links to working group members (Brock, Morris)
- YOPP MODF needs to identify time base and time-interval for data sets (ALL)
- YOPP at Polar 18 – organize a time to meet (Uttal, Khalsa)
- Create or edit YOPP documents to include observations as well as model outputs (Uttal, Casati, Morris)
- Organize meeting to discuss tasks and identifying individuals to complete tasks associated with MODF files (Uttal, Morris, Casati)