

Summary of START08/PreHiPPO team telecon #1, Sept 17, 2007

Chair: Laura Pan

Attendants:

ACD: Sue Schauffler, Teresa Campos, Andy Weinheimer, Frank Flocke, Bill Hall, Carl Drews

RAF: Al Cooper, Jorgen Jensen, Jeff Stith, Pavel Romashkin, Julie Haggerty

CU: Linnea Avallone

NOAA: Dale Hurst, Jim Elkins, Fred Moore

Texas A&M: Ken Bowman, Fuqing Zhang, Amanda Kromphardt

JPL: MJ Mahoney

Miami: Elliot Atlas

Harvard: Steve Wofsy, Bruce Daube, and colleagues (Rodrigo Jimenez, and Sunyoung Park?)

Objectives of the telecon

Clear understanding of operational schedule

Establish routine telecon

Identify urgent issues

Identify primary areas of tasks, lead person and involved.

Schedule

Flight operations: April 21-May 16, June 16-28

Instrument upload: 6 weeks prior to beginning of the flight

Certification: 2 month before test flights (middle of Feb 2008)

HiPPO team Brazil field campaign (BARCA?): Oct 10-Nov 30, like slip to end n Dec.

Telecon schedule

Bi-weekly on Monday 5 pm ET, starting Oct 1, 2007

Additional involvement may depend on agenda. Contact Laura Pan

Workshop

Tuesday-Wednesday, Jan 8-9, 2008, at NCAR

Primary areas of tasks/urgent issues

Currently planned Payload: (those with issues and medium risks marked with *, likely not available **)

QCL (Harvard/Wofsy)
AWAS (HAIS/Atlas)
PANTHER (NOAA/Elkins/Moore)
UCATS (NOAA/Hurst)
UV O3 (HAIS/Rawlings)**
NO/NOy (NCAR/Weinheimer)
TDL H2O (RAF/Campos)
SID-2 (HAIS/heymfield)
MTP (HAIS/Mahoney/Haggerty)
CLH (CU/Avallone)
O2:N2 (NCAR/Stephens)
CN (RAF/Rogers?)
Particle Probes PCAS, FSSP, 2D-C (RAF)

Optional Payload:

VCSEL (HAIS/Zondlo)*
Fast O3 (CARI /Weinheimer/Campos)
VUV-CO (Harvard/Wofsy)
CO2 (Harvard/Wofsy)?
WAS (NOAA)?

Action identified:

Need to had a dedicated telecon/meeting to work with RAF on certification and other issues (**Atlas**)

Forecast

People involved: Zhang, Bowman (Texas A&M), Pan, Hall (NCAR), Konopka (Juelich)

Products/parameters/models involved: Need iteration in a dedicated meeting. All are invited to give input on the parameters we need.

Field catalog issues: there will be no EOL field catalog support due to the limitation of the available NSF program funds. Laura Pan will contact Steve Williams and Mike Daniels to find out what is available as part of routine EOL operation support.

Data Management

Data channel into aircraft data link will be available near real time and shortly after the flight through RAF, typically in 1 second time series (NetCDF). Most PI instruments currently are not planned to pipe the data through the link. Procedure and understanding of quick look data and final science data need more discussions.

Action: need to make a list of data availability in near real time for mission planning and medium to long term for workshop and publications.

Operational Website

The NCAR operational site:

<http://www.acd.ucar.edu/start/>

is established for rapid update or project information. It may also host forecast information and data products and serve similar functions of a field catalog. Detail TBD. HIPPO project will have a site to be linked. Everyone is invited to give input on what should be on the website. Please email:

Carl Drews (drews@ucar.edu)
Sue Schaufler (sues@ucar.edu)
Laura Pan (liwen@ucar.edu)

Flight planning and Modeling Communications

Did not have time to discuss and will be on agenda for the next telecon.

Action items

1. Instrumentation/certification telecon (Atlas)
2. Forecast/data management telecon (Bowman/Zhang)
3. Planning of the workshop, including finalizing date and booking facility (Pan)
4. Summary of the telecon (Pan)