

26 Aug 2010

GRIP (FLL-JSC-DFRC) 14Z Daily Telecon / Webinar

Participants

FLL Team – Jeff Halverson, Michael Goodman, John Molinari, Scott Braun, Aaron Bansemer, Steve Durden, Michael Kavaya, Luke Ziemba, Seyed Ismail, Paul Bui

Telecon

Chris Ruf, Gerry Heymsfield, Michael Black, Steve Durden Bjorn Lambrigtsen, Steve Cole, Shannon Brown, Gary Wick, Ed Zipser, Svetla Hristova-Veleva, Paul Meyer, Rich Blakeslee, Ramesh Kakar

Global Hawk Report

- **Aircraft – green**
 - Saturday – possible science flight; 13Z (6a local) flight
 - HAMSRS would like a sonde near water; looking for a flight plan near a 00Z Vandenberg launch
- **Droposonde – red**
 - 1st sonde launch good; 2nd sonde did not launch because pin release in launch tube stuck (perhaps vacuum pressure against the pin) – might need a redesign of a solenoid. Low altitude test was at 15K ft
 - Engineers understand the cause of the error but still working on the fix
 - Confirmed that the pin will fail with >14 oz of pressure. Ordered a new solenoid with a stronger pull mechanism
 - Re-fly of Low Altitude test flight is tbd
 - COA to drop in the Gulf and Atlantic is approved. Can still drop sondes in Pacific in international waters but seeking COA for Pacific in US territories
- **HAMSRS – green.** Interested in validation data with drops or radiosondes
- **LIP - green**
- **HIWRAP – yellow**
 - but can still fly; HIWRAP pulled from Global Hawk today for work. Software / hardware (bad board or connector) problem?
 - HIWRAP being worked on during Friday
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WB-57 Report

- **Aircraft – green**
- **HIRAD - green**
 - HIRAD arrived on Tuesday
 - Ground test today
 - Arrival at JSC on Thursday
 - Checkout flight (3hr) on Monday
 - Calm waters over a buoy at different altitudes

- Decision to suitcase will be made on Saturday; Fly precipitation WB-57 suitcase flights will be out of MacDill AFB, Tampa FL
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- NAST-I delayed until next week.
 - NAST-I will not be onboard for the test Friday flight. The piggybacking ground rules for NAST-I are such that it will not impact HIRAD. No separate test flights will be done for NAST-I.

DC8 Report

- Aircraft – green.
 - Network issues during the 24Aug flight have been resolved
 - Hard Down day on Thursday
- LASE – green.
- LARGE – green.
- APR2 – green.
- DAWN – yellow.
 - Successfully collected data during the 24Aug flight but the wind retrievals are still being analyzed and processed
 - Found a solution from U,V,W components of the wind
- Microphysics – green
 - PIP repaired during 24Aug flight. Will confirm
 - CSI cannot fly for the duration of GRIP
- MMS – green.
- Dropsonde – green.

Science

- Suitcase flight to STX beginning this Saturday. Targeting TS Earl which will most likely be H. Earl when we fly on Sun/Mon. Hopeful to catch a sequence of Cat 1 to Cat 2 intensification.
- Planning on a rotated fig-4 with long legs in TS/H Earl
- Models are not high on PGI-36 to develop into a TS.
- Possibility of a GH science flight on Saturday (6a local / 13Z departure) to a weakening T.S. Frank in the EPac. Concerned that cloud tops are too high/vigorous for this first flight. GH will not fly over tops < -50K