

**31 Aug 2010**

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

**Participants**

*FLL Team* – Michael Goodman, John Molinari, Rich Blakeslee, Henry Fuelberg, Cerese Albers English, Jon Zawislak, Instrument and Forecast teams, Steve Cole,

*Telecon*

Tim Miller, Bud Meins, Gerry Heymsfield, Michael Black, Gary Wick, Ed Zipser, Paul Meyer, Bob Houze, Valerie Thorson, Steve Durden, Kelly Scott, Ramesh Kakar, Darren Jackson

**Global Hawk Report**

- **Aircraft – green**
  - Tuesday is hands-off for instrument
  - Departure on Wednesday at 9pm PT/ (Thurs 04Z) is possible. Could push back to Wed. 3am PT / 10Z
  - Media Day at DFRC is Tuesday 31Aug
  - On station 10-12hrs
- **Droposonde – red**
  - Re-fly of Low Altitude test flight is tbd. Discussing combining high-altitude and low-altitude drop in one test flight.
  - Ground test – may be today
  - Earliest it could low altitude test drop is the weekend but may be after the weekend
- **HAMSR – green.**
- **LIP - green**
- **HIWRAP – yellow**
  - Some noise in 2-channels in the Ka band
  - HIWRAP able to get time to work on instrument on Monday

**WB-57 Report**

- **Aircraft – green**
- **HIRAD - green**
  - Suitcase to MacDill AFB, Tampa did not occur yesterday. Reschedule for today, Tuesday 1pm CT (18Z).
  - Need to get a canopy? part in today. Ferry Wednesday morning with the possibility of a Wednesday science flight afternoon.
  - Could fly science as early as Wed @ 20Z for 6hr
  - Coordinate with C130J and/or P3 to map vortex winds matched with SFMR on the other planes. Lawnmower at FL600path orthogonal to SFMR. As many figure 4s as possible.
  - Thursday into H. Earl as long as he is within 1000 miles
- NAST-I still delayed

- 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.
  - Flew Earl yesterday, 3 fig 4's
- LASE – green.
- LARGE – green.
- APR2 – green.
- DAWN – yellow. Recording good data yesterday in Earl but have not produced winds (at least a week away). Have a component that they want to switch out but not effect Wed or Thur flight. Would replace
- Microphysics – green
  - PIP failed yesterday's flight. Will stay on plane but not fly.
  - CAPS probe had a lot of condensate when landing at STX and did not operate on return. May replace it with a spare
  - CSI cannot fly for the duration of GRIP
- MMS – green.
- Dropsonde – green. Computer crash yesterday that will result in loss of some data. Several good drops approx 21 out of 28 drops

### Science

Fly on Wed and Thurs.

Wednesday science objective is to sample environment ahead of the storm in the clear air for LASE, DAWN and dropsondes.

Thursday – coordinate flight with Global Hawk

GH – considering Star Pattern.

- Short legs (~300nmi diameter; 50min legs) that would encompass the center of the storm as well as the environment
- Need to be over precipitation
- Radial legs cross rain bands for short times which gives the pilots some leeway to deviate around intense convection.
- Perhaps catch an eyewall replacement cycle and cross over both walls
- 24hr flight. Need to adjust the takeoff time to 04Z to coincide with DC8 in the storm