

Daily Debrief 7/27/2016

Next meeting(s):

Phone: 1-844-467-4685, Pass code: 532355#

Saturday: 4 pm (Eastern) – Weather Brief

Sunday: 4 pm (Eastern) – Weather Brief

Monday: 4 pm (Central)

Debrief Agenda

Start: Weather

Start + 15 Minutes: Schedule for next fly day and tentative plan for the next few days

Start + 30 Minutes: Issues – Both Instruments and Aircraft (Aircrew will report on duty day and hour limitations)

Start + 45 Minutes: Status – Science Team will report status

General Information

- The number used to send text messages to the B200: 011881632648063
- Iridium number for C-130: 757-821-2325
- Note: Democratic convention will have the same 30 nm radius TFR around Philly from July 25-29
- On the date we depart for Lincoln we need to ask everyone to leave their vehicles in the auxiliary lot, the one on the other side of the bridge.
- For fuel planning purposes – C130: 4.5K gallons to 8K gallons, avg. 6K gallons
- **The tractor trailer is planning to be at Wallops at 8 am on Thursday, July 28th. The plan is to have completed loading by noon with the truck then going to Langley. Please consider what you will be transporting on the truck. We will be working to locate these items to a staging area in the hangar.**

Schedule – C-130 – No flight plans until Monday (Transit Day)

- Bags at the plane by 7:30 am behind the airplane (hangar deck) to be loaded. DO NOT load your bags
- Doors close at 8:30 am
- Departure at 9 am
- Arrival at Langley 9:30 am
- Leave Langley at 10 am
- Arrive Lincoln, Nebraska 12:30-1pm local time

Outlook Table

Date	Weather	Flight plan / take off time	Comments
Thursday, 28 July	60% cloud coverage, low surface winds: not well defined: higher level winds: Westerly	Current plan: no flight	Loading of truck at Wallops: 8 am, plan to leave at noon for Langley

			Day #1 down for closeout of cripes/hygrometer
Friday, 29 July	60% cloud coverage, low surface winds: not well defined: higher level winds: Westerly	Current plan: no flight	Possible day for loading shipping truck at Langley Day #2 down for closeout of cripes/hygrometer
Saturday, 30 July			Reserve day
Sunday, 31 July			Hard Down Day
Monday, 1 August		Departure time: 9am, plan to stop over at Langley (9:30-10) for personnel and supplies, Arrive at Lincoln at 12:30-1 local time	Transit day to Lincoln

Note: B200: 12 hr. day
C130: 16 hr. day

C-130 Report for 7/27/2016

- Work to be done:
 - Hygrometer continues to not work, looking at redoing the whole system
 - Radio does not work well at the back of the plane
 - Seal on window on right side
 - Seal up areas on top of fuselage
- Flight went well
- Instruments went well

B-200 Report for 7/27/2016

- Had not returned as of this report
- Work to be looked at
 - Autopilot still questionable
 - Radar working less than optimum – continued to work it

Weather Brief

Please NOTE that today's briefing will be focused on Mid-West region Mon-Tue weather (general overview at this stage, last few slides), in case need to be discussed at this stage..long-range forecast (caution)

The Wx briefing file is located on the Google Drive Link.

Folder NAME: Weather_Outlook_Summer2016

<https://drive.google.com/folderview?id=0B9cGPcwIS9gcOTFYUXZ4X0gxTXc&usp=sharing>

Filename: 20160727_1705_weather_briefing_MW

Similar PDF has been also uploaded on LaRC site:

Link:

<http://www-air.larc.nasa.gov/missions/ACT-America/reports.2016/index.html>

Please look for "Forecast" column under 'Daily Reports'.

Filename: 2016-07-27_Forecast_20160727_1705_weather_briefing_MW.PDF

Roles & Responsibilities:

Science Plan/Flight Times (Takeoff Time) – Ken Davis (Office: 814-863-8601/Cell: 814-206-4133) or Designate

- Bing Lin (Office: 757.864.9823/Cell: 757-778-3435)
- Mike Obland (Office: 757-864-1078/Cell: 406-580-5841) and/or
- Amin Nehrir (Office: 757-864-6107/406-451-9678)

C-130 Scheduling/Issues/Manifest – Linda Thompson (Office: 757-824-1072/Cell: 757-894-7831)

B200 Scheduling/Issues/Manifest – Mike Wusk (Office: 757-864-3837/Cell: 757-810-8295)

Science POC Responsibilities (Ken: Office: 814-863-8601/Cell: 814-206-4133 or designee):

- Provide interim and final flight plans to pilots in time to meet FAA 72-hour deadline
- Communicate takeoff time for both aircraft to aircraft POCs
- Upload science report for each flight to archival website
- Coordinate with OCO-2 science team to finalize satellite viewing tracks and to notify OCO-2 team to avoid target mode during our underflight days

C-130 POC Responsibilities (Linda: Office: 757-824-1072/Cell: 757-894-7831 up to transit flight takeoff on August 1; Cate: Office: 747-824-1525/Cell: 443-614-0668 after transit flight takeoff August 1):

- Get takeoff time decision from science POC
- Define and coordinate aircraft timeline (fueling, doors open and cooling available to research teams for instrument warmup, doors closed time)
- Communicate daily flight schedule to aircraft maintenance personnel and all personnel on flight manifest
- Report to science POC on all updates concerning the aircraft, including mechanical updates
- Ensure proper cooling and ground power for aircraft
- Provide flight manifest to pilots
- Upload daily aircraft report for archival website
- Track aircraft flight hours and keep running total in flight report (including wheels up/down time for data analysis)

B200 POC Responsibilities (Mike Wusk: Office: 757-864-3837/Cell: 757-810-8295):

- Same as above except for B200

Instrument team POCs:

- Provide instrument operator names to each aircraft manifest by noon on day preceding flight
 - Upload instrument quick look reports for each flight to archival website
 - Report daily instrument status to aircraft POCs
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Any issues encountered the day of flight shall be reported to Ken Davis or Designee

EOM