

*Daily Debrief 7/24/2016*

**Next meeting(s):**

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

**Monday: 9:30 am – Weather Brief**

**Monday: 4:30 pm – Debrief, plane is tentatively planned to be on the ground by 4pm. If this time changes for later, an email will be sent so please monitor your emails.**

**General Information**

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- 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 28<sup>th</sup>. 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.**
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**Schedule – C-130**

- 7 am – Mechanical Techs arrive
  - 7:30 am – Power on plane
  - 8:00 am – Fueling (estimate)
  - 8:30 am –MFLI warm up start
  - 9:30 am – Quick Brief
  - 10:30 am Doors Close
  - LM – Notify science 3-5 minutes prior to switch over to APU from carts
  - C-130:11 am, B200: 11 am Takeoff
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**Outlook Table**

<b>Date</b>	<b>Weather</b>	<b>Flight plan / take off time</b>	<b>Comments</b>
Monday, 25 July	Map out the ‘warm sector’ at multiple altitudes in advance of the approaching front. Capture GHG transport to the E-NE in the warm sector.	C-130: 11 am (~5 hrs.) / B200: 11 am (~3.5 hrs.)	Plan to meet with David Stiles to identify staging area, plan to start moving equipment to this area

Tuesday, 26 July	Flying the front, earlier flight desired	C-130: 10 am (~5 hrs.) / B200: 11 pm (~3.5 hrs.)	
Wednesday, 27 July		Possible OCO-2 flight?	Early indication shows weather is acceptable for underflight.
Thursday, 28 July			Possible day for loading shipping truck at Wallops, 8 am
Friday, 29 July			Possible day for loading shipping truck at Langley
Saturday, 30 July		Possible OCO-2 flight?	
Sunday, 31 July			
Monday, 1 August			Transit day to Lincoln

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

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**C-130 Report for 7/24/2016 – Need updates on following**

- Water Vapor Measurement issue – continued to be worked, suspect a leak, plan to test on Saturday outside
- MFL, CPL got a little hot – CPL plans to try a different fan assembly
- Radio does not work well at the back of the plane

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**B-200 Report for 7/24/2016**

- Autopilot was to be checked out Saturday
- No issues to prevent departure Monday

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**Weather Brief**

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: 20160724\_1832\_weather\_briefing

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: 2016-07-24\_Forecast\_20160724\_1832\_weather\_briefing.pdf

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### **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

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**EOM**