

Daily Debrief 7/18/2016

Next meeting:

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

Tuesday: 7am – Weather Brief

Tuesday: 4:30 pm - Daily Debrief

Roles & Responsibilities:

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

Any issues encountered the day of flight shall be reported to Ken Davis or Designate

General Information

- The number used to send text messages to the B200: 011881632648063
- Iridium number for C-130: 757-821-2325
- Note: Cleveland has a 30 nm radius temporary flight restriction up to 18000' due to republican convention until Jul 22.

- Note: Democratic convention will have the same 30 nm radius TFR around Philly from July 25-29

Schedule – C-130 – Tuesday, July 19, 2016

- 6 am – Ground Support
- 6:30 am – Fueling
- 7 am – Power on – MFLM warm up start
- 8:30 am Doors Close
- LM – Notify science 3-5 minutes prior to switch over to APU from carts
- 9 am Takeoff

Outlook Table

Date	Weather	Flight plan / take off time	Comments
Tuesday, 19 July	Front advances to the SE	Stormy Weather	7 hours, C130, 5 hours, B200. Note: B200 will need to refuel so plan for 1-1.5 hrs. additional time <hr/> Proposed departure times of 9:00 EDT for both the C130 & B200
Wednesday, 20 July	H pressure, light winds	Fair weather pattern, what orientation?	Or OCO-2. Glint track in the region, 20 July (1819Z or 1:18 pm local). Planned 12:00 departure time <hr/> 4 hours, C130, 3 hours, B200.
Thursday, 21 July	H pressure, light winds	Fair weather pattern	Planned 11 am -12 pm departure time
Friday, 22 Jul	H pressure, light winds	Fair weather pattern	

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

C-130 Report for 7/18/2016

- Two issues occurred before flight today
 - The AC cart did arrive generally on-time but during power on, arcing occurred. It was discovered that the cables (apparently during transport) wedged under the generator trailer tongue jack breaking through the insulation causing a direct connection to the trailer. When it was powered on, arcing occurred, damaging 3 of 4 cables. The rental company delivered replacement cables, the AC was successfully tested and ready for implementation on Tuesday
 - A HF antenna appeared to be damaged. A bucket truck had to be called in so an inspection could be performed. At inspection, it was determined the antenna line needed to be removed. With the delay in the arrival of the bucket truck, inspection and removal of the line, the departure time was delayed to ~12:30pm
 - No condensation was noted during flight.
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B-200 Report for 7/18/2016

- Aircraft is good. Assuming the instrument is good.
 - Instrument preflight is planned for 700 AM
 - And shooting for a 900 AM Takeoff Tuesday
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Weather Brief – Brian Gaudet

The Wx Forecast briefing file is located on the Google Drive Link:

Folder NAME: Weather_Outlook_Summer2016

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

Filename: 20160718_1703_weather_briefing.pptx

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:

2016-07-18_Forecast_20160718_1703_weather_briefing.pptx.pdf

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