Date: 2021-06-29
Flight Campaign ID: P1C2
Airport, FBO ID, City: Asheville Regional Airport (KAVL) - Fletcher, NC
Aircraft: N331AR

Domain: 07 (Appalachians & Cumberland Plateau)
Sites Flown: None
Days left in Domain: 0

Report Author: Mitch Haynes
Lidar Operators: Cameron Chapman
Specrometer Operators: Mitch Haynes
Pilots: Paul Nunemann, Nick Koukoutsakis
GPS Instruments: N/A

Flight Hours: 00:00
Hours until maintenance: 48.58

Summary
Last day of collect here in D07 was greeted low overcast clouds and sporadic rain showers throughout the day; no flights were conducted. This concludes collections in D07. Crew shut down the payload, shipped supplies ahead to Fresno, and packed in the plane in anticipation of starting the transit to D17 tomorrow.

Concerns
- While shutting down the payload, it was discovered that the spectrometer chamber and getter valves have been closed, likely since the crew experienced GPU issues on May 15th. Somehow chamber pressure has held within spec for the entire time since. FItOps will update procedures for more frequent checks of the payload.
- The GPU adapter was damaged during removal from wall outlet. It will be marked and damaged and shipped back to Boulder.

Comments
- RAID 2021_P1C2_05 was shipped to the Denver Data Center.

Cumulative Domain Coverage
D07|GRSM_P1 (Great Smoky Mountains National Park Priority 1)

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Flown: 33% (23/69)
Green: 14% (10/69)
Yellow: 4% (3/69)
Red: 14% (10/69)

D07|GRSM_P2 (Great Smoky Mountains National Park Priority 2)

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Flown: 0% (0/20)
Green: 0% (0/20)
Yellow: 0% (0/20)
Red: 0% (0/20)

D07|MLBS (Mountain Lake Biological Station)
**Weather Forecast**

- **Asheville, NC**
  - **Wednesday, June 30**: 86°F | 64°F, Mostly Sunny, 0 in
  - **Thursday, July 1**: 82°F | 69°F, Cloudy, 0.53 in

- **Topeka, KS**
  - **Wednesday, June 30**: 82°F | 69°F, Thunderstorms, 0.53 in
  - **Thursday, July 1**: 85°F | 63°F, Partly Cloudy, 0 in

- **Grand Junction, CO**
  - **Wednesday, June 30**: 86°F | 62°F, Mostly Sunny, 0 in
  - **Thursday, July 1**: 89°F | 65°F, Mostly Sunny, 0 in

- **Fresno, CA**
  - **Wednesday, June 30**: 105°F | 65°F, Sunny, 0 in
  - **Thursday, July 1**: 101°F | 68°F, Sunny, 0 in
  - **Friday, July 2**: 101°F | 68°F, Sunny, 0 in
  - **Saturday, July 3**: 101°F | 68°F, Sunny, 0 in
  - **Sunday, July 4**: 101°F | 67°F, Sunny, 0 in
  - **Monday, July 5**: 101°F | 67°F, Sunny, 0 in
  - **Tuesday, July 6**: 102°F | 66°F, Sunny, 0 in

**Flight Collection Plan for June 30 2021**

Begin transit to D17 – Fresno, CA  
Crew: Cam