Flight Campaign ID: 2017_P1C1  
FBO ID & City: Asheville Regional Airport (KAVL) - Asheville, NC  
Domain: 07  
Sites Flown: GRSM  
Days left in Domain: 0  
Flight Hours: 03:01  
Hours until maintenance: 44.57  

Date: 2017-10-26  
Report Author: Ivana Vu  
Pilots: Justin Eddington, Stephen Brawder  
Flight Crew: Ivana Vu, Abe Morrison  
Ground/GPS: Cameron Chapman  
Additional Personnel: None  

GPS Instruments:  
03 - GRSM, 11 - FBO-KAVL  

Summary:  
Perfect fall weather allowed us to complete coverage over the Smoky Mountains in green conditions today. 29 lines were completed, with half of them collected during the relaxed 30-degree solar angle. This was the last day of data collection in 2017 – the Otter will start the transit back home to Boulder tomorrow for post-season calibration flights. Thanks to everyone involved for your help throughout the year!  

Issues/Concerns:  
- Ongoing camera banding issue  
- AXE should be inspected after flight season to reinforce loose connections  

Comments:  
- Completed line 90 at GRSM Priority 1 Box: Green (<10% cloud cover), within 40-degree solar angle – re-fly due to IMU gap from Flight 2017101914  
- Completed lines 1-28 at GRSM Priority 2 Box: Green (<10% cloud cover)  
  Lines 1-14 collected within relaxed 30-degree solar angle  
  Lines 15-28 collected within 40-degree solar angle  
- GPS03 (GRSM) has been retrieved  
- Hotel Kit has been packed up and will  
- Crew will plan to spend the night at (KFOE) Topeka, KS tomorrow where shore power is available to ensure the payload is ready for calibration flights in Boulder this Sunday
NIS/Lidar Screenshot

Priority 1 re-fly

Priority 2

Domain Coverage

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### Weather Forecast

**Asheville, NC**
- **Fri 10/27**: 69° | 48° F, Sunny (0 in)
- **Sat 10/28**: 54° | 29° F

**Topeka, KS**
- **Fri 10/27**: 47° | 28° F, Partly Cloudy/Wind (0 in)
- **Sat 10/28**: 54° | 29° F, Sunny (0 in)

**Boulder, CO**
- **Sat 10/28**: 58° | 44° F, Partly Cloudy (0 in)
- **Sun 10/29**: 70° | 29° F, Sunny (0 in)
- **Mon 10/30**: 35° | 21° F, AM Snow Showers (0 in)

- **Cloud Cover (%)**
- **Chance of Precip. (%)**
Pictures
Fall foliage in the Great Smoky Mountains
Flight Collection Plan for October 27\textsuperscript{th} 2017:
Transit to KFOE (Topeka, KS)

Flight Collection Plan for October 28\textsuperscript{th} 2017:
Transit to KBDU (Boulder, CO)

Flight Collection Plan for October 29\textsuperscript{th} 2017:
Radiometric Calibration at Table Mountain