June 22, 2018 Payload 3 Daily Flight Report

Date: 2018-06-22
Flight Campaign ID: 2018_P3C1
Airport, FBO ID, City: Asheville Regional Airport (KAVL) - Fletcher, NC

Domain: 07
Sites Flown: 1
Days left in Domain: 1

Report Author: Heather Rogers
Flight Crew: Heather Rogers, Cameron Chapman, Mitch Haynes
Flight Hours: 00:00
Ground/GPS: Hours until maintenance: 95.80
Pilots: Dylan Malfatti, Gina Moore
Additional Personnel: GPS Instruments

Summary
At first the weather appeared to be improving, but persistent low clouds and thunderstorms prevented data collection today.

Concerns
N/A

Comments
2018_P3C1_11 was shipped today.
The GPS station at MLBS will be taken down tomorrow.
The crew packed Hotel Kit 3 in anticipation of Sunday’s transit. If data is collected tomorrow, it will be extracted once the plane reaches D12.

Cumulative Domain Coverage

### GRSM_P1

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Flown: 15% (16/106)
Green: 0% (0/106)
Yellow: 11% (12/106)
Red: 4% (4/106)

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## Yellow: 0% (0/68)
## Red: 0% (0/68)

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Green: 0% (0/34)
Yellow: 0% (0/34)
Red: 100% (34/34)

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Flown: 100% (61/61)
Green: 25% (15/61)
Yellow: 61% (37/61)
Red: 23% (14/61)

### Weather Forecast

**Gatlinburg, TN**

- **Sat 6/23**
  - 86°F | 86°F
  - Partly Cloudy
  - 0.24 in

- **Sun 6/24**
  - 86°F | 86°F
  - Thunderstorms
  - 0.31 in

**Asheville, NC**
Flight Collection Plan for 23 June 2018

**Flyority 1:**
Collection Area: Mountain Lake Biological Station (MLBS) **If Green Conditions**
Flight Plan Name: D07_MLBS_R1_P1_v6_Q780
On-station Time: 1340 UTC / 0940 L

**Flyority 2:**
Collection Area: Great Smoky Mountains National Park – Priority 1 Flight Box (GRSM_P1)
Flight Plan Name: D07_GRSM_R2_P1_v2_Q780
On-station Time: 1350 UTC / 0950 L

**Flyority 3:**
Collection Area: Great Smoky Mountains National Park – Priority 2 Flight Box (GRSM_P2)
Flight Plan Name: D07_GRSM_R2_P2_v2_east_Q780 / D07_GRSM_R2_P2_v2_west_Q780
On-station Time: 1350 UTC / 0950 L

**Flyority 4:**
Collection Area: Oak Ridge National Laboratory (ORNL)
Flight Plan Name: D07_ORNL_C1_P1_v10_east_Q780 / D07_ORNL_C1_P1_v10_west_Q780
On-station Time: 1400 UTC / 1000 L

**Crew:** Mitch Haynes (Lidar), Heather Rogers (NIS), Cameron Chapman (Ground)