Payload 1 Daily Flight Report

Date: 2021-06-22
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: 7

Report Author: Michael Wussow
Lidar Operators: Michael Wussow
Spectrometer Operators: Cameron Chapman
Pilots: Justin Eddington, Nick Koukoutsakis
Flight Hours: 00:00
Hours until maintenance: 51.98

Summary
Cloudy and wet conditions precluded flights today.

Concerns
None

Comments
- All data from last week has been extracted although QA activities are still on-going.
- P1C2_RAID_04 was shipped today.
- Thanks to Andrew for completing a tool to automatically upload GRSM GPS basestation data to the ECS.
- Mitch Haynes arrives this evening to replace Michael Wussow, who departs D07 tomorrow.

Daily Coverage

Estimated Cloud Cover Key

| Green: 0-10% | Yellow: 11-50% | Red: >50% |

Flight Screenshots: None

Pictures: None

Cumulative Domain Coverage

| D07 GRSM_P1 (Great Smoky Mountains National Park Priority 1) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | Flown: 19% (13/69) |
Green: 14% (10/69)
Yellow: 4% (3/69)
Red: 0% (0/69)

**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)**

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

**D07|N07A (D07 Nominal Runway)**

Flown: 100% (1/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 100% (1/1)

**D07|ORNL (Oak Ridge National Laboratory)**

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Flown: 100% (61/61)
Green: 38% (23/61)
Yellow: 62% (38/61)
Red: 0% (0/61)

**Weather Forecast**

Gatlinburg, TN

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<td>85°F</td>
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<tr>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Mostly Cloudy</td>
<td>Scattered Thunderstorms</td>
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Flight Collection Plan for 23 June 2021

Flyority 1
Collection Area: Great Smoky Mountains National Park (GRSM) – Priority 1 Flight Box
Flight Plan Name: D07_GRSM_R1_P1_P2_v5_PRM_Var_Alt.xml
On-Station Time: 1400 – 2100 UTC / 1000 – 1700 L

Flyority 2
Collection Area: Oak Ridge National Laboratory (ORNL)
Flight Plan Name: D07_ORNL_C1_P1_v9_PRM_highPRF.xml
On-Station Time: 1400 – 2100 UTC / 1000 – 1700 L
*only if green conditions exist

Flyority 3
Collection Area: Great Smoky Mountains National Park (GRSM) – Priority 2 Flight Box
Flight Plan Name: D07_GRSM_R1_P1_P2_v5_PRM_Var_Alt.xml
On-Station Time: 1400 – 2100 UTC / 1000 – 1700 L

Crew: Cam & Mike