Payload 1 Daily Flight Report

Date: 2021-10-05
Flight Campaign ID: P1C2
Airport, FBO ID, City: Ocala International Airport (KOCF) - Ocala, FL
Aircraft: N331AR

Domain: 03 (Southeast)
Sites Flown: None
Days left in Domain: 0

Report Author: Cameron Chapman
Lidar Operators: Cameron Chapman
Spectrometer Operators: Elissa Barris
Pilots: Justin Eddington, Nick Koukoutsakis

Flight Hours: 00:00
Hours until maintenance: 18.72
GPS Instruments: None

Summary
Cloudy skies across the region would have precluded flights from occurring today. The payload is shutdown awaiting a weather opportunity to begin the transit back to Boulder, CO. This concludes our D03 deployment.

Concerns
- TOIL mechanics arrived today and are attempting to resolve an aircraft issue which is preventing the aircraft from flying in IFR conditions.

Comments
- AOP lab is coordinating with Optech to implement the Galaxy firmware update. We are expecting this to occur at 0900 MT 10/11/21 at the AOP hangar.

Daily Coverage

Estimated Cloud Cover Key

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

Flight Screenshots: None

Pictures: None

Cumulative Domain Coverage

D03 | DSNY (Disney Wilderness Preserve )

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 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 |

Flown: 100% (36/36)
Green: 0% (0/36)
Yellow: 25% (9/36)
Red: 75% (27/36)
D03 | JERC_P1 (Jones Ecological Research Center Priority 1)

Flown: 100% (26/26)
Green: 100% (26/26)
Yellow: 0% (0/26)
Red: 0% (0/26)

D03 | JERC_P2 (Jones Ecological Research Center Priority 2)

Flown: 96% (24/25)
Green: 0% (0/25)
Yellow: 0% (0/25)
Red: 96% (24/25)

D03 | N03B (D03 Nominal Runway South)

Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 100% (2/2)

D03 | OSBS_P1 (Ordway-Swisher Biological Station Priority 1)

Flown: 100% (27/27)
Green: 7% (2/27)
Yellow: 4% (1/27)
Red: 89% (24/27)

D03 | OSBS_P2 (Ordway-Swisher Biological Station Priority 2)

Flown: 100% (16/16)
Green: 0% (0/16)
Yellow: 0% (0/16)
Red: 100% (16/16)

Weather Forecast

Ocala, FL (KOCF)
### Tallahassee, FL (KTLH)

<table>
<thead>
<tr>
<th>Day</th>
<th>Wednesday 6th</th>
<th>Thursday 7th</th>
<th>Friday 8th</th>
<th>Saturday 9th</th>
<th>Sunday 10th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>79°F l 70°F</td>
<td>85°F l 71°F</td>
<td>84°F l 67°F</td>
<td>84°F l 67°F</td>
<td>84°F l 67°F</td>
</tr>
<tr>
<td>Weather</td>
<td>Rain</td>
<td>Scattered Thunderstorms</td>
<td>Thunderstorms</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>Precip</td>
<td>0.34 in</td>
<td>0.08 in</td>
<td>0.28 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

Source: wunderground.com

### Boulder, CO (KBDU)

<table>
<thead>
<tr>
<th>Day</th>
<th>Wednesday 6th</th>
<th>Thursday 7th</th>
<th>Friday 8th</th>
<th>Saturday 9th</th>
<th>Sunday 10th</th>
<th>Monday 11th</th>
<th>Tuesday 12th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>76°F l 51°F</td>
<td>77°F l 50°F</td>
<td>75°F l 52°F</td>
<td>72°F l 45°F</td>
<td>67°F l 42°F</td>
<td>70°F l 43°F</td>
<td>66°F l 37°F</td>
</tr>
<tr>
<td>Weather</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
</tr>
<tr>
<td>Precip</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

Source: wunderground.com

**Flight Collection Plan for 6 October 2021**

Begin transit to Boulder, weather permitting.

Crew: Elissa, Cam