Date: 2019-06-02  
Flight Campaign ID: 2019_P2C1  
Airport, FBO ID, City: Manassas Regional (KHEF) - Manassas, VA

Domain: 02  
Sites Flown: None  
Days left in Domain: 2

Report Author: Cameron Chapman  
Flight Crew: Cameron Chapman, Abe Morrison  
Ground/GPS: Mitch Haynes  
Pilots: Justin Eddington, Chad Evans  
Additional Personnel:  
GPS Instruments: n/a

Flight Hours: 0:00  
Hours until maintenance: 24.80

Summary  
Cloudy skies were observed across all D02 sites today. No opportunity to improve data quality. The current forecast for Monday and Tuesday appear promising to collect under nominal “Green” science conditions.

Concerns  
- P2’s Telemetry system not sending scheduled status updates

Comments  
- RAID 10 is being prepared for shipment tomorrow.  
- P2 is scheduled to depart D02 Wednesday June 5th

Flight Screenshots: None

Daily Coverage: None

Cumulative Domain Coverage

<table>
<thead>
<tr>
<th>BLAN</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
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</tbody>
</table>

Flown: 100% (33/33)  
Green: 0% (0/33)  
Yellow: 0% (0/33)  
Red: 103% (34/33)

<table>
<thead>
<tr>
<th>N02A</th>
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</thead>
<tbody>
<tr>
<td>1</td>
</tr>
</tbody>
</table>

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

| 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 |

Flown: 100% (32/32)
Green: 0% (0/32)
Yellow: 0% (0/32)
Red: 103% (33/32)

**SERC**

| 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 |

Flown: 100% (26/26)
Green: 23% (6/26)
Yellow: 31% (8/26)
Red: 50% (13/26)

**Weather Forecast**

**Front Royal, VA**

<table>
<thead>
<tr>
<th>Mon 6/3</th>
<th>Tue 6/4</th>
<th>Wed 6/5</th>
<th>Thu 6/6</th>
<th>Fri 6/7</th>
<th>Sat 6/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partly Cloudy</td>
<td>Mostly Sunny</td>
<td>PM Thunderstorms</td>
<td>Cloudy</td>
<td>AM Thunderstorms</td>
<td>AM Thunderstorms</td>
</tr>
<tr>
<td>70°</td>
<td>46° F</td>
<td>78°</td>
<td>60° F</td>
<td>79°</td>
<td>65° F</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0.33 in</td>
<td>0.07 in</td>
<td>0.19 in</td>
<td>0.14 in</td>
</tr>
</tbody>
</table>

**Annapolis, MD**

<table>
<thead>
<tr>
<th>Mon 6/3</th>
<th>Tue 6/4</th>
<th>Wed 6/5</th>
<th>Thu 6/6</th>
<th>Fri 6/7</th>
<th>Sat 6/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunny</td>
<td>Mostly Sunny</td>
<td>PM Showers</td>
<td>Isolated Thunderstorms</td>
<td>Scattered Thunderstorms</td>
<td>Cloudy</td>
</tr>
<tr>
<td>73°</td>
<td>57° F</td>
<td>77°</td>
<td>68° F</td>
<td>80°</td>
<td>71° F</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
<td>0.23 in</td>
<td>0.02 in</td>
<td>0.22 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

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**Cloud Cover (%)**

**Chance of Precip. (%)**
Flight Collection Plan for 3 June 2019

Flyority 1:
Collection Area: Smithsonian Conservation Biology Institute (SCBI)
**If “Green” Conditions
Flight Plan Name: D02_SCBI_C1_P1_v1.pln
On Station Time: 09:30 L / 13:30 UTC

Flyority 2:
Collection Area: Smithsonian Ecological Research Center (SERC)
**Lines 1-11 & 18-26 If “Green” Conditions
Flight Plan Name: D02_SERC_R1_P1_v1.pln
On Station Time: 09:30 L / 13:30 UTC

Flyority 3:
Collection Area: Blandy Experimental Farm (BLAN)
**If “Green” Conditions
Flight Plan Name: D02_BLAN_R2_P1_v2.pln
On Station Time: 09:30 L / 13:30 UTC
Crew: Mitch Haynes (Lidar), Cameron Chapman (NIS), Abe Morrison (Ground/GPS)

Flight Collection Plan for 4 June 2019

Flyority 1 – 4 Same as previous day
Crew: Abe Morrison (Lidar), Mitch Haynes (NIS), Cameron Chapman (Ground/GPS)