April 25, 2019 Payload 2 Daily Flight Report

Date: 2019-04-25
Flight Campaign ID: 2019_P2C1
Airport, FBO ID, City: Tuscaloosa Regional Airport (KTCL) - Tuscaloosa, AL

Domain: 08
Sites Flown: None
Days left in Domain: 16

Report Author: Michael Wussow
Flight Crew: Cameron Chapman, Michael Wussow

Flight Hours: 00:00
Ground/GPS: Abe Morrison

Hours until maintenance: 59.07
Pilots: Wesley Wyatt, David Little
Additional Personnel: None
GPS Instruments: None

Summary
Thunderstorms and heavy rain prevented any flights today. The crew took the down time to reactivate the getter and pump the system down.

Concerns
Abe’s preliminary analysis of the permanent basestation data at DELA and TALL has shown less than acceptable quality. Temporary basestations will be deployed at these sites to prevent any data quality issues until a more in-depth analysis can be done using flight data.

Comments
Mike Wussow departs from D08 tomorrow and Robb Walker arrives.

Daily Coverage: None

Cumulative Domain Coverage

**DELA**

|   | 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: 0% (0/26)  
Green: 0% (0/26)  
Yellow: 0% (0/26)  
Red: 0% (0/26)

**LENO**

<table>
<thead>
<tr>
<th></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>
<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Flown: 0% (0/26)  
Green: 0% (0/26)  
Yellow: 0% (0/26)  
Red: 0% (0/26)
### N08A

<table>
<thead>
<tr>
<th></th>
<th>1</th>
</tr>
</thead>
</table>

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

#### TALL

<table>
<thead>
<tr>
<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>
<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Flown:** 0% (0/26)
- **Green:** 0% (0/26)
- **Yellow:** 0% (0/26)
- **Red:** 0% (0/26)

### Weather Forecast

**Tuscaloosa, AL**

<table>
<thead>
<tr>
<th>Fri 4/26</th>
<th>Sat 4/27</th>
<th>Sun 4/28</th>
<th>Mon 4/29</th>
<th>Tue 4/30</th>
<th>Wed 5/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>77°F</td>
<td>48°F</td>
<td>79°F</td>
<td>56°F</td>
<td>80°F</td>
<td>57°F</td>
</tr>
</tbody>
</table>

- **Partly Cloudy**
- **Partly Cloudy**
- **Mostly Cloudy**
- **Mostly Sunny**
- **Mostly Cloudy**
- **Cloudy**

**Cloud Cover (%)**

**Chance of Precip. (%)**

---

**Demopolis, AL**

<table>
<thead>
<tr>
<th>Fri 4/26</th>
<th>Sat 4/27</th>
<th>Sun 4/28</th>
<th>Mon 4/29</th>
<th>Tue 4/30</th>
<th>Wed 5/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>78°F</td>
<td>48°F</td>
<td>80°F</td>
<td>55°F</td>
<td>81°F</td>
<td>56°F</td>
</tr>
</tbody>
</table>

- **Partly Cloudy**
- **Mostly Sunny**
- **Partly Cloudy**
- **Sunny**
- **Cloudy**
- **Cloudy**

**Cloud Cover (%)**

**Chance of Precip. (%)**
Flight Collection Plan for 26 April 2019

Flyority 1:
Collection Area: Dead Lake (DELA)
Flight Plan Name: D08_DELA_R1_P1_v1.pln
On Station Time: 1010 L / 1410 UTC

Flyority 2:
Collection Area: Talladega National Forest (TALL)
Flight Plan Name: D08_TALL_C1_P1_v1.pln
On Station Time: 0930 L / 1430 UTC

Flyority 3:
Collection Area: Lenoir Landing (LENO)
Flight Plan Name: D08_LENO_R2_P1_v1.pln
On Station Time: 0930L / 1430 UTC

Flyority 4:
Collection Area: Nominal Runway – D08
Flight Plan Name: D08_N08A_Nominal_Runway_Test_v1.pln
Purpose: To test LiDAR range accuracies and noise levels at 100 kHz PRF.
On Station Time: N/A
Crew: (LiDAR) Cameron Chapman (NIS) Abe Morrison (Ground/GPS) None

Flight Collection Plan for 27 April 2019

Flyority 1 – 4 Same as previously briefed
Crew: (LiDAR) Abe Morrison (NIS) Cameron Chapman (Ground/GPS) Robb Walker