Date: 2022-10-23
Flight Campaign ID: P1C1
Airport, FBO ID, City: Rafael Hernandez International Airport (TJBQ) - Aguadilla, Puerto Rico
Aircraft: N331AR

Domain: 04 (Atlantic Neotropical)
Sites Flown: None
Days left in Domain: 20

Report Author: Cameron
Lidar Operators: Cameron  Flight Hours: 00:00
Spectrometer Operators: Abe  Hours until maintenance: 70.90
Pilots: Brent, Justin

Summary
The clouds formed early and continued to build throughout the day. No flights were conducted.

Concerns
- None

Comments
- Elissa is scheduled to arrive in D04 late tonight.

Daily Coverage
Estimated Cloud Cover Key
Green: 0-10%  Yellow: 11-50%  Red: >50%

Flight Screenshots: None

Pictures: None

Cumulative Domain Coverage
D04 | CUPE (Rio Cupeyes)

<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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Flown: 40% (4/10)
Green: 0% (0/10)
Yellow: 40% (4/10)
Red: 0% (0/10)

D04 | GUAN (Guanica Forest)

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

Flown: 47% (16/34)
Green: 0% (0/34)
Yellow: 44% (15/34)
Red: 3% (1/34)
D04 | GUIL (Rio Guilarte)

<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>
</tr>
</thead>
</table>

- Flown: 0% (0/15)
- Green: 0% (0/15)
- Yellow: 0% (0/15)
- Red: 0% (0/15)

D04 | LAJA (Lajas Experimental Station)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|

- Flown: 0% (0/22)
- Green: 0% (0/22)
- Yellow: 0% (0/22)
- Red: 0% (0/22)

D04 | N04C (D04 Nominal Runway)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
</tr>
</thead>
</table>

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

D04 | R04A ()

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
</table>

- Flown: 100% (5/5)
- Green: 100% (5/5)
- Yellow: 0% (0/5)
- Red: 0% (0/5)

Weather Forecast
Guayanilla, Puerto Rico (GUAN)

<table>
<thead>
<tr>
<th>Mon 10/24</th>
<th>Tue 10/25</th>
<th>Wed 10/26</th>
<th>Thu 10/27</th>
<th>Fri 10/28</th>
<th>Sat 10/29</th>
<th>Sun 10/30</th>
</tr>
</thead>
<tbody>
<tr>
<td>88°</td>
<td>76°F</td>
<td>87°</td>
<td>74°F</td>
<td>82°</td>
<td>74°F</td>
<td>82°</td>
</tr>
</tbody>
</table>

- Partly Cloudy
- Thunderstorms

- 0 in
- 0.72 in
- 0.69 in
- 0.64 in
- 0.16 in
- 0.21 in
- 0.27 in
### San German, Puerto Rico (LAJA & CUPE)

<table>
<thead>
<tr>
<th>Date</th>
<th>Cloud Cover (%)</th>
<th>Chance of Precip. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon 10/24</td>
<td>Partly Cloudy</td>
<td>0 in</td>
</tr>
<tr>
<td>Tue 10/25</td>
<td>Thunderstorms</td>
<td>0.83 in</td>
</tr>
<tr>
<td>Wed 10/26</td>
<td>Thunderstorms</td>
<td>0.58 in</td>
</tr>
<tr>
<td>Thu 10/27</td>
<td>Thunderstorms</td>
<td>0.51 in</td>
</tr>
<tr>
<td>Fri 10/28</td>
<td>Thunderstorms</td>
<td>0.31 in</td>
</tr>
<tr>
<td>Sat 10/29</td>
<td>Thunderstorms</td>
<td>0.24 in</td>
</tr>
<tr>
<td>Sun 10/30</td>
<td>Thunderstorms</td>
<td>0.26 in</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Cloud Cover (%)</th>
<th>Chance of Precip. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon 10/24</td>
<td>Partly Cloudy</td>
<td>0 in</td>
</tr>
<tr>
<td>Tue 10/25</td>
<td>Thunderstorms</td>
<td>0.83 in</td>
</tr>
<tr>
<td>Wed 10/26</td>
<td>Thunderstorms</td>
<td>0.74 in</td>
</tr>
<tr>
<td>Thu 10/27</td>
<td>Thunderstorms</td>
<td>0.62 in</td>
</tr>
<tr>
<td>Fri 10/28</td>
<td>Thunderstorms</td>
<td>0.19 in</td>
</tr>
<tr>
<td>Sat 10/29</td>
<td>Thunderstorms</td>
<td>0.19 in</td>
</tr>
<tr>
<td>Sun 10/30</td>
<td>Thunderstorms</td>
<td>0.25 in</td>
</tr>
</tbody>
</table>

*source: wunderground.com*

### Flight Collection Plan for 24 October 2022

**Flyority 1**
Collection Area: Guanica Forest (GUAN)
Flight Plan Name: D04_GUAN_C1_P1_v1_PRM.xml
On-station Time: 1330 UTC / 0930 L

**Flyority 2**
Collection Area: Lajas Experimental Station (LAJA)
Flight Plan Name: D04_LAJA_R1_P1_v6_PRM.xml
On-station Time: 1330 UTC / 0930 L
Flyority 3
Collection Area: Rio Cupeyes (CUPE)
Flight Plan Name: D04_CUPE_A1_P1_v1_PRM.xml
On-station Time: 1330 UTC / 0930 L

Flyority 4
Collection Area: Rio Guilarte (GUIL)
Flight Plan Name: D04_GUIL_A2_P1_v2_PRM.xml
On-station Time: 1330 UTC / 0930 L

Flyority 5
Collection Area: D04 Nominal Runway
Flight Plan Name: D04_N04C_Nominal_Runway_Test_v1_PRM.xml
On-station Time: NA

CREW: Lidar: Abrahams  NIS: Cameron