Payload 1 Daily Flight Report

Date: 2022-10-30
Flight Campaign ID: P1C1
Airport, FBO ID, City: Rafeal Hernandez International Airport (TJBQ) - Aguadilla, Puerto Rico
Aircraft: N331AR

Domain: 04 (Atlantic Neotropical)
Sites Flown: None
Days left in Domain: 13

Report Author: Elissa
Lidar Operators: Elissa    Flight Hours: 00:00
Spectrometer Operators: Mitch    Hours until maintenance: 67.97
Pilots: Justin, Magnus

Summary
No flights were possible today due to rain throughout the day.

Concerns
None.

Comments
Abe left the domain last night - thanks for all the hard work Abe!

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

D04|CUPE (Rio Cupeyes)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
---|---|---|---|---|---|---|---|---|---|
Flown: 100% (10/10)
Green: 0% (0/10)
Yellow: 40% (4/10)
Red: 60% (6/10)

D04|GUAN (Guanica Forest)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
---|---|---|---|---|---|---|---|---|---|
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 18 | 19 | 20 |

Flown: 53% (18/34)
Green: 0% (0/34)
Yellow: 44% (15/34)
Red: 9% (3/34)
## D04 | GUIL (Rio Guilarte)

<table>
<thead>
<tr>
<th>1</th>
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<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
</tr>
</thead>
</table>

- Flown: 100% (15/15)
- Green: 0% (0/15)
- Yellow: 0% (0/15)
- Red: 100% (15/15)

## D04 | LAJA (Lajas Experimental Station)

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<th>18</th>
<th>19</th>
<th>20</th>
</tr>
</thead>
</table>

- 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>
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</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 10/31</th>
<th>Tue 11/1</th>
<th>Wed 11/2</th>
<th>Thu 11/3</th>
<th>Fri 11/4</th>
<th>Sat 11/5</th>
<th>Sun 11/6</th>
</tr>
</thead>
<tbody>
<tr>
<td>84°</td>
<td>75°F</td>
<td>87°</td>
<td>74°F</td>
<td>87°</td>
<td>75°F</td>
<td>83°</td>
</tr>
</tbody>
</table>

- Scattered
- Thunderstorms
- Thunderstorms
- PM
- Thunderstorms
- Thunderstorms
- Thunderstorms

- 0.16 in
- 0.18 in
- 0.1 in
- 0.1 in
- 0.85 in
- 1.75 in
- 2.02 in

- 8 PM
San German, Puerto Rico (LAJA & CUPE)

Adjuntas, Puerto Rico (GUIL)

Cloud Cover (%) | Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 31 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) **If “Green” sky conditions**
Flight Plan Name: D04_CUPE_A1_P1_v1_PRM.xml
On-station Time: 1330 UTC / 0930 L
Flyority 4
Collection Area: Rio Guilarte (GUIL) ** If “Green” sky conditions**
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: Mitch (Lidar), Elissa (NIS)