Payload 1 Daily Flight Report

Date: 2022-10-26
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: 17

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

Summary
Overcast and rainy conditions continued today; no flights were conducted.

Concerns
None.

Comments
Cam departed the domain this morning - Safe travels Cam!

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 | 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: 53% (18/34)
Green: 0% (0/34)
Yellow: 44% (15/34)
Red: 9% (3/34)
D04|GUI (Rio Guiarte)

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

D04|LAJA (Laajas Experimental Station)

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

D04|N04C (D04 Nominal Runway)

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

D04|R04A()

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>Thu 10/27</th>
<th>Fri 10/28</th>
<th>Sat 10/29</th>
<th>Sun 10/30</th>
<th>Mon 10/31</th>
<th>Tue 11/1</th>
<th>Wed 11/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>82°</td>
<td>76°F</td>
<td>87°</td>
<td>75°F</td>
<td>87°</td>
<td>75°F</td>
<td>86°</td>
</tr>
</tbody>
</table>

Thunderstorms | Scattered | Scattered | Scattered | Scattered | Scattered | Scattered | Thunderstorms | Thunderstorms | Thunderstorms | Thunderstorms | Thunderstorms |

0.87 in | 0.14 in | 0.08 in | 0.21 in | 0.15 in | 0.05 in | 0.08 in
### San German, Puerto Rico (LAJA & CUPE)

<table>
<thead>
<tr>
<th>Date</th>
<th>High Temp</th>
<th>Low Temp</th>
<th>Weather</th>
<th>Cloud Cover (%)</th>
<th>Chance of Precip. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thu 10/27</td>
<td>83°</td>
<td>75°F</td>
<td>Thunderstorms</td>
<td>0.55 in</td>
<td></td>
</tr>
<tr>
<td>Fri 10/28</td>
<td>85°</td>
<td>75°F</td>
<td>Scattered</td>
<td>0.09 in</td>
<td></td>
</tr>
<tr>
<td>Sat 10/29</td>
<td>87°</td>
<td>74°F</td>
<td>Scattered</td>
<td>0.11 in</td>
<td></td>
</tr>
<tr>
<td>Sun 10/30</td>
<td>86°</td>
<td>75°F</td>
<td>Scattered</td>
<td>0.17 in</td>
<td></td>
</tr>
<tr>
<td>Mon 10/31</td>
<td>86°</td>
<td>74°F</td>
<td>Thunderstorms</td>
<td>0.18 in</td>
<td></td>
</tr>
<tr>
<td>Tue 11/1</td>
<td>86°</td>
<td>75°F</td>
<td>Scattered</td>
<td>0.12 in</td>
<td></td>
</tr>
<tr>
<td>Wed 11/2</td>
<td>87°</td>
<td>74°F</td>
<td>Thunderstorms</td>
<td>0.16 in</td>
<td></td>
</tr>
</tbody>
</table>

### Adjuntas, Puerto Rico (GUIL)

<table>
<thead>
<tr>
<th>Date</th>
<th>High Temp</th>
<th>Low Temp</th>
<th>Weather</th>
<th>Cloud Cover (%)</th>
<th>Chance of Precip. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thu 10/27</td>
<td>74°</td>
<td>68°F</td>
<td>Thunderstorms</td>
<td>0.57 in</td>
<td></td>
</tr>
<tr>
<td>Fri 10/28</td>
<td>78°</td>
<td>67°F</td>
<td>Scattered</td>
<td>0.11 in</td>
<td></td>
</tr>
<tr>
<td>Sat 10/29</td>
<td>80°</td>
<td>66°F</td>
<td>PM</td>
<td>0.08 in</td>
<td></td>
</tr>
<tr>
<td>Sun 10/30</td>
<td>80°</td>
<td>67°F</td>
<td>Scattered</td>
<td>0.21 in</td>
<td></td>
</tr>
<tr>
<td>Mon 10/31</td>
<td>79°</td>
<td>67°F</td>
<td>Thunderstorms</td>
<td>0.14 in</td>
<td></td>
</tr>
<tr>
<td>Tue 11/1</td>
<td>79°</td>
<td>68°F</td>
<td>Thunderstorms</td>
<td>0.11 in</td>
<td></td>
</tr>
<tr>
<td>Wed 11/2</td>
<td>80°</td>
<td>66°F</td>
<td>Thunderstorms</td>
<td>0.17 in</td>
<td></td>
</tr>
</tbody>
</table>

source: wunderground.com
Flight Collection Plan for 27 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:** Abe
**NIS:** Elissa