Payload 1 Daily Flight Report

Date: 2022-11-08
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: 4

Report Author: Elissa
Lidar Operators: Elissa
Spectrometer Operators: Mitch
Pilots: Magnus, Justin

Flight Hours: 00:00
Hours until maintenance: 61.72

Summary
Clouds and scattered storms once again prevented green collections at our sites today. No flights were attempted.

Concerns
None.

Comments
None.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

D04|CUPE (Rio Cupeyes)

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<tr>
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<tbody>
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</table>
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: 100% (34/34)
Green: 0% (0/34)
Yellow: 91% (31/34)
Red: 9% (3/34)
**D04 | GUI (Rio Guilarte)**

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

Flown: 100% (22/22)
Green: 36% (8/22)
Yellow: 50% (11/22)
Red: 14% (3/22)

**D04 | N04C (D04 Nominal Runway)**

<table>
<thead>
<tr>
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Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 100% (2/2)

**D04 | R04A ()**

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<th>5</th>
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</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></th>
<th>Wed 11/9</th>
<th>Thu 11/10</th>
<th>Fri 11/11</th>
<th>Sat 11/12</th>
<th>Sun 11/13</th>
<th>Mon 11/14</th>
<th>Tue 11/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>84°F</td>
<td>85°F</td>
<td>87°F</td>
<td>86°F</td>
<td>86°F</td>
<td>85°F</td>
<td>86°F</td>
</tr>
<tr>
<td>Humidity</td>
<td>Scattered</td>
<td>Scattered</td>
<td>PM</td>
<td>Thunderstorms</td>
<td>PM</td>
<td>Thunderstorms</td>
<td>Scattered</td>
</tr>
<tr>
<td>Precipitation</td>
<td>0.26 in</td>
<td>0.14 in</td>
<td>0.02 in</td>
<td>0.08 in</td>
<td>0.07 in</td>
<td>0.1 in</td>
<td>0.07 in</td>
</tr>
</tbody>
</table>
San German, Puerto Rico (LAJA & CUPE)

<table>
<thead>
<tr>
<th></th>
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<th>Sun 11/13</th>
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<tbody>
<tr>
<td>Temp</td>
<td>85°F</td>
<td>85°F</td>
<td>87°F</td>
<td>86°F</td>
<td>85°F</td>
<td>85°F</td>
<td>86°F</td>
</tr>
<tr>
<td>Low Temp</td>
<td>74°F</td>
<td>73°F</td>
<td>72°F</td>
<td>72°F</td>
<td>73°F</td>
<td>74°F</td>
<td>73°F</td>
</tr>
<tr>
<td>Cloud Cover (%)</td>
<td>Scattered</td>
<td>Thunderstorms</td>
<td>PM</td>
<td>Thunderstorms</td>
<td>PM</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
</tr>
<tr>
<td>Chance of Precip. (%)</td>
<td>0.15 in</td>
<td>0.16 in</td>
<td>0.05 in</td>
<td>0.12 in</td>
<td>0.12 in</td>
<td>0.12 in</td>
<td>0.13 in</td>
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</tbody>
</table>

source: wunderground.com

Adjuntas, Puerto Rico (GUIL)

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<th>Wed 11/9</th>
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<th>Fri 11/11</th>
<th>Sat 11/12</th>
<th>Sun 11/13</th>
<th>Mon 11/14</th>
<th>Tue 11/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>77°F</td>
<td>78°F</td>
<td>80°F</td>
<td>79°F</td>
<td>78°F</td>
<td>78°F</td>
<td>78°F</td>
</tr>
<tr>
<td>Low Temp</td>
<td>67°F</td>
<td>65°F</td>
<td>65°F</td>
<td>65°F</td>
<td>66°F</td>
<td>66°F</td>
<td>66°F</td>
</tr>
<tr>
<td>Cloud Cover (%)</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>PM</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
<td>Thunderstorms</td>
</tr>
<tr>
<td>Chance of Precip. (%)</td>
<td>0.21 in</td>
<td>0.25 in</td>
<td>0.04 in</td>
<td>0.12 in</td>
<td>0.09 in</td>
<td>0.12 in</td>
<td>0.12 in</td>
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</tbody>
</table>

source: wunderground.com
Flight Collection Plan for 9 November 2022

Flyority 1
Collection Area: Guanica Forest (GUAN) ** If “Green” sky conditions**
Flight Plan Name: D04_GUAN_C1_P1_v1_PRM.xml
On-station Time: 1340 UTC / 0940 L

Flyority 2
Collection Area: Lajas Experimental Station (LAJA) ** If “Green” sky conditions**
Flight Plan Name: D04_LAJA_R1_P1_v6_PRM.xml
On-station Time: 1340 UTC / 0940 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: 1340 UTC / 0940 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: 1340 UTC / 0940 L

Crew: Mitch (Lidar), Elissa (NIS)