Payload 1 Daily Flight Report

Date: 2022-11-09
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: 2

Report Author: Mitch
Lidar Operators: Mitch   Flight Hours: 00:00
Spectrometer Operators: Elissa   Hours until maintenance: 61.72
Pilots: Justin, Magnus

Summary
Another day of dealing with heavy tropical moisture; rain showers and scattered thunderstorms throughout the region prevented any opportunity of a “green up” at any sites.

Concerns
None

Comments
• Upcoming NATAMs have confirmed runway closures from 8am-6pm L this weekend at TJBQ Airport in Aguadilla. Given this and the lack of positive forecast, the crew will look to depart D04 early Saturday morning prior to the runway closures, which will be one day earlier than scheduled. This should allow enough time for Tropical Storm Nicole to move far enough north that it will not be a factor once the plane reaches Florida. Given the Saturday departure, the crew is estimating either a Monday or Tuesday arrival back in Boulder.
• Tour with local D04 Staff is confirmed for Friday.
• Cameron arrived back in Aguadilla this afternoon, rejoining the crew after some time off. Welcome back, Cam!
• RAID 25 was shipped back to the Denver Data Center today and the Hotel Kit room packed up. HK1 will remain offline until the plane has arrived back in Boulder.
• AOP Field Science equipment was also shipped back to Boulder today.

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>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100% (10/10)</td>
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<tr>
<td>Flown: 100% (10/10)</td>
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<tr>
<td>Green: 0% (0/10)</td>
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<tr>
<td>Yellow: 40% (4/10)</td>
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<td>Red: 60% (6/10)</td>
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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 |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 100% (34/34) |
| Flown: 100% (34/34) |
| Green: 0% (0/34) |
| Yellow: 91% (31/34) |
Red: 9% (3/34)

D04 | GUIL (Rio Guilarte)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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

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

21 22

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

D04 | N04C (D04 Nominal Runway)

1 2

Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 100% (2/2)

D04 | R04A ()

1 2 3 4 5

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 11/10</th>
<th>Fri 11/11</th>
<th>Sat 11/12</th>
<th>Sun 11/13</th>
</tr>
</thead>
<tbody>
<tr>
<td>86°</td>
<td>74°F</td>
<td>87°</td>
<td>75°F</td>
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</tbody>
</table>

Scattered Thunderstorms
PM Showers
PM Thunderstorms
PM Thunderstorms

<table>
<thead>
<tr>
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<th>Fri 11/11</th>
<th>Sat 11/12</th>
<th>Sun 11/13</th>
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</thead>
<tbody>
<tr>
<td>0.05 in</td>
<td>0.02 in</td>
<td>0.15 in</td>
<td>0.11 in</td>
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Flight Collection Plan for 10 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: Elissa (Lidar), Mitch (NIS), Cam (Ground)