Payload 1 Daily Flight Report

Date: 2022-11-01
Flight Campaign ID: P1C1
Airport, FBO ID, City: Rafeal Hernandez International Airport (TJBQ) - Aguadilla, Puerto Rico
Aircraft: N331AR

Domain: 04 (Atlantic Neotropical)
Sites Flown: GUAN (Guanica Forest)
Days left in Domain: 11

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

Flight Hours: 01:47
Hours until maintenance: 66.18
GPS Instruments: 04 - FBO_TBJQ, C-PRGY, U-AGPR

Summary
Despite some cloud buildup over Aguadilla this morning, the skies over Guanica were clear enough to allow over an hour of collections, aided with our earlier solar angle start.

Concerns
None

Comments
None

Daily Coverage

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

D04|GUAN

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<th>Line #</th>
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<td>Lidar</td>
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<tr>
<td>Cloud Cover</td>
<td>Red</td>
<td>Yellow</td>
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Total number of lines flown: 12
Flight Screenshots

Cumulative Domain Coverage

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 |
---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
Flown: 85% (29/34)
Green: 0% (0/34)
Yellow: 76% (26/34)
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)

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

### D04|N04C (D04 Nominal Runway)

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

### D04|R04A ()

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

### Weather Forecast

#### Guayanilla, Puerto Rico (GUAN)

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<th>Wed 11/2</th>
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<th>Sat 11/5</th>
<th>Sun 11/6</th>
<th>Mon 11/7</th>
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#### San German, Puerto Rico (LAJA & CUPE)

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<td>0.58 in</td>
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Flight Collection Plan for 2 November 2022

Flyority 1
Collection Area: Guanica Forest (GUAN)
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)
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

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

Crew: Elissa (Lidar), Mitch (NIS)