Date: 2022-10-21
Flight Campaign ID: P1C1
Airport, FBO ID, City: Rafael Hernandez International Airport (TJBQ) - Aguadilla, Puerto Rico
Aircraft: N331AR

Domain: 04 (Atlantic Neotropical)
Sites Flown: GUAN (Guanica Forest)
Days left in Domain: 22

Report Author: Cameron
Lidar Operators: Cameron
Flight Hours: 01:05
Spectrometer Operators: Abe
Hours until maintenance: 72.93
Pilots: Brent, Justin
GPS Instruments: 04 - FBO_TBJQ, C-PRMI

Summary
The weather allowed for the collection of 4 lines in mixed sky conditions before clouds began to develop below flight altitude.

Concerns
- None

Comments
- None

Daily Coverage
Estimated Cloud Cover Key
| Green: 0-10% | Yellow: 11-50% | Red: >50% |
---|---|---|
D04|GUAN
| Line # | 18 | 19 | 20 | 21 |
| Lidar | ✓ | ✓ | ✓ |
| Spectrometer | ✓ | ✓ | ✓ | ✓ |
| Camera | ✓ | ✓ | ✓ |
| Cloud Cover | | | |
Total number of lines flown: 4
Flight Screenshots

Top: Flying over GUAN looking E / SE toward Ponce. Bottom: Looking down at the GUAN tower site.
Cumulative Domain Coverage

D04 CUPE (Rio Cupeyes)

Flown: 40% (4/10)
Green: 0% (0/10)
Yellow: 40% (4/10)
Red: 0% (0/10)

D04 GUAN (Guanica Forest)

Flown: 15% (5/34)
Green: 0% (0/34)
Yellow: 6% (2/34)
Red: 9% (3/34)

D04 GUIL (Rio Guilarte)

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

D04 LAJA (Lajas 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)

San German, Puerto Rico (LAJA & CUPE)

Adjuntas Puerto Rico (GUIL)

source: wunderground.com
Flight Collection Plan for 22 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: Abeaham  NIS: Cam