



## Payload 1 Daily Flight Report



**Date:** 2022-10-22

**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:** 21

**Report Author:** Abe

**Lidar Operators:** Abe

**Spectrometer Operators:** Cameron

**Pilots:** Brent, Justin

**Flight Hours:** 02:02

**Hours until maintenance:** 70.90

**GPS Instruments:** 04 - FBO\_TBJQ, C-PRMI

### Summary

The crew took off to quite a bit of cloud around Aguadilla airport, but with relatively clear skies on the tower camera at the GUAN site. The clouds mostly stayed out of the flight box for a while allowing 12 lines and a cross strip to be flown in "yellow" sky conditions. As the standard low cumulus clouds started to form below our flight altitude the weather was also deteriorating around the airport in Aguadilla, this ended the collections for the day.

### Concerns

None

### Comments

None

### Daily Coverage

Estimated Cloud Cover Key

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

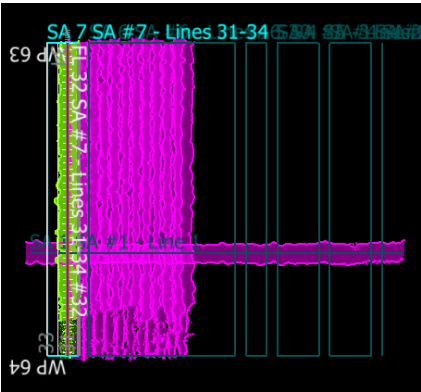
D04|GUAN

Line #	21	22	23	24	25	26	27	28	29	30	31	32
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover												

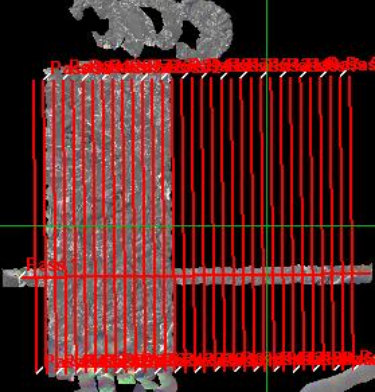
Total number of lines flown: 12

Flight Screenshots

Lidar



NIS



Cumulative Domain Coverage

D04 | CUPE (Rio Cupeyes)

1	2	3	4	5	6	7	8	9	10
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Flown: 40% (4/10)  
Green: 0% (0/10)  
Yellow: 40% (4/10)  
Red: 0% (0/10)

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: 47% (16/34)  
Green: 0% (0/34)  
Yellow: 44% (15/34)  
Red: 3% (1/34)

D04 | GUIL (Rio Guilarte)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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Flown: 0% (0/15)  
Green: 0% (0/15)  
Yellow: 0% (0/15)  
Red: 0% (0/15)

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

D04 | N04C (D04 Nominal Runway)

1	2
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Flown: 0% (0/2)  
Green: 0% (0/2)  
Yellow: 0% (0/2)  
Red: 0% (0/2)

D04 | R04A ( )

1	2	3	4	5
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Flown: 100% (5/5)

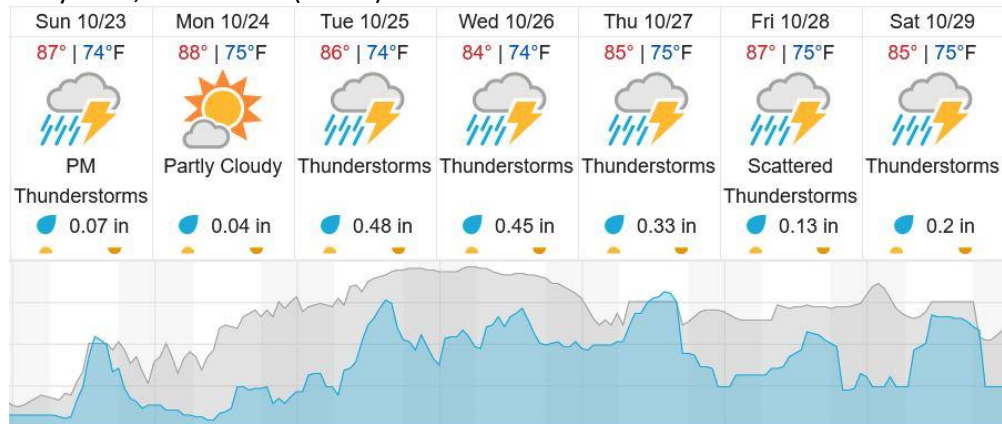
Green: 100% (5/5)

Yellow: 0% (0/5)

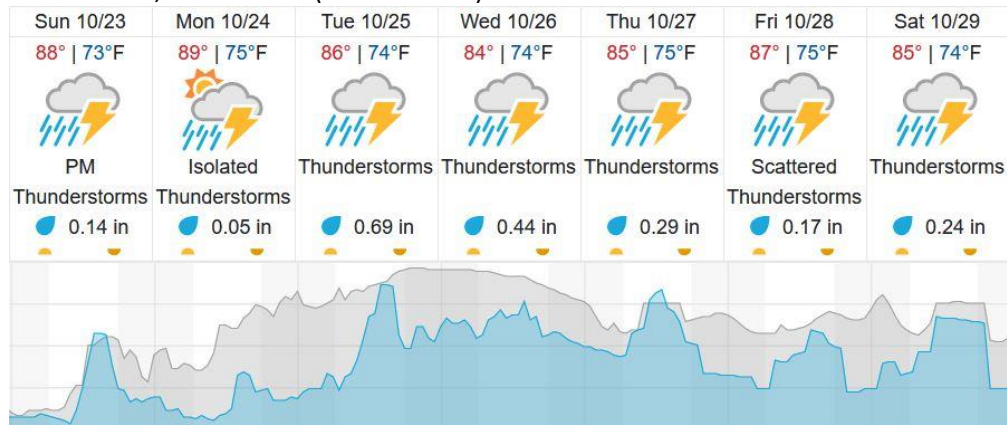
Red: 0% (0/5)

## Weather Forecast

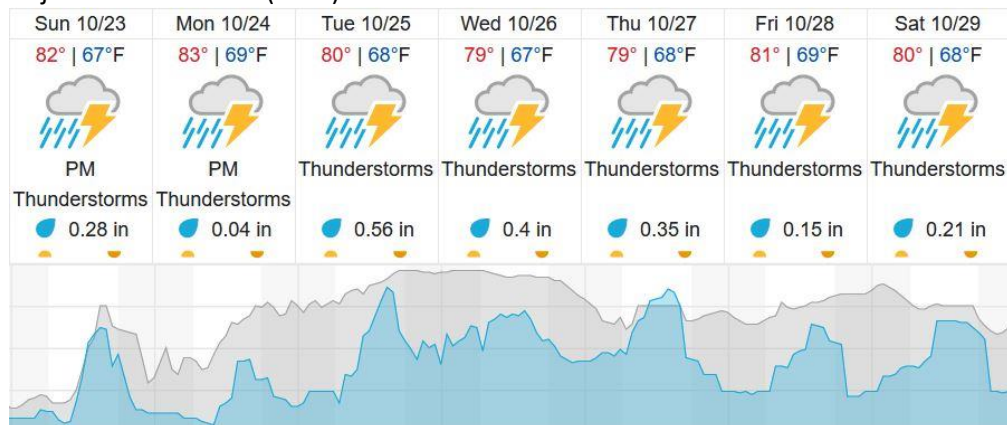
### Guayanilla, Puerto Rico (GUAN)



### San German, Puerto Rico (LAJA & CUPE)



### Adjuntas Puerto Rico (GUIL)



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

## **Flight Collection Plan for 23 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:** Camron **NIS:** Abraham