



## 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

**Flight Hours:** 01:47

**Spectrometer Operators:** Mitch

**Hours until maintenance:** 66.18

**Pilots:** Justin, Magnus

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

D04|GUAN

Line #	1	7	8	9	10	11	12	13	14	15	16	17
Lidar		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover												

Total number of lines flown: 12

## D04 | CUPE (Rio Cupeyes)

Flown: 100% (10/10)  
Green: 0% (0/10)  
Yellow: 40% (4/10)  
Red: 60% (6/10)

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: 85% (29/34)  
Green: 0% (0/34)  
Yellow: 76% (26/34)  
Red: 9% (3/34)

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

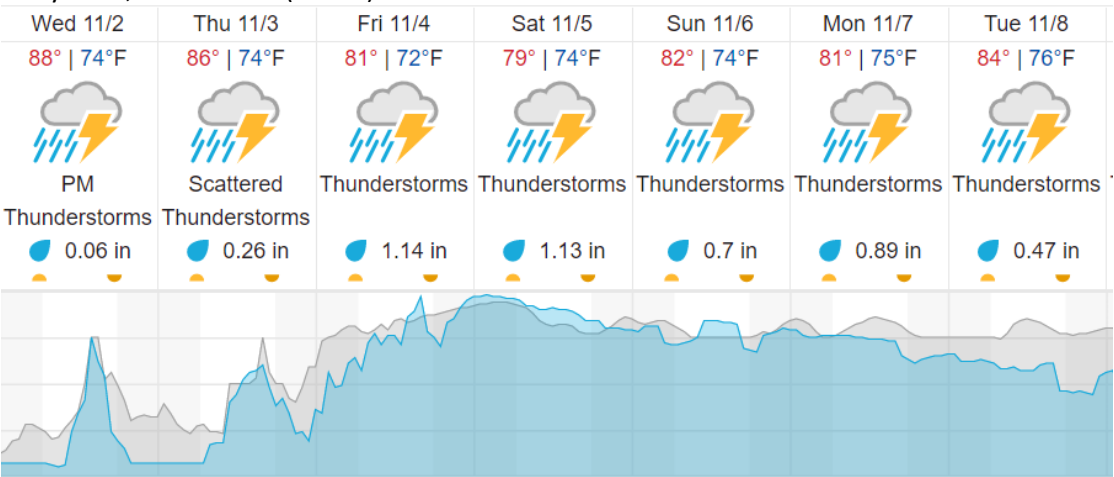
D04 | R04A ( )

1	2	3	4	5
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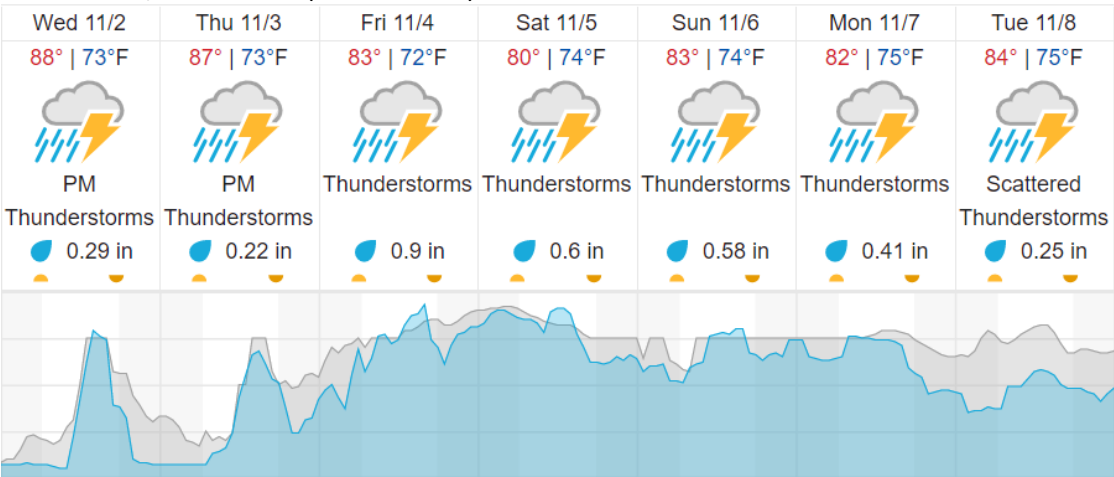
Flown: 100% (5/5)  
Green: 100% (5/5)  
Yellow: 0% (0/5)  
Red: 0% (0/5)

Weather Forecast

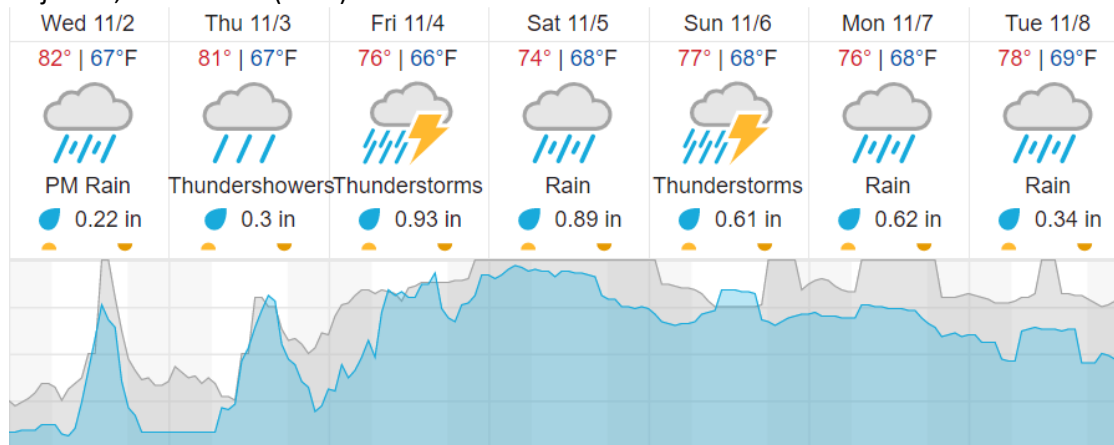
Guayanilla, Puerto Rico (GUAN)



San German, Puerto Rico (LAJA & CUPE)



## Adjuntas, Puerto Rico (GUIL)



source: wunderground.com

## Flight Collection Plan for 2 November 2022

### Flyority 1

Collection Area: Guanica Forest (GUAN)

Flight Plan Name: D04\_GUAN\_C1\_P1\_v1\_PR.M.xml

On-station Time: 1340 UTC / 0940 L

### Flyority 2

Collection Area: Lajas Experimental Station (LAJA)

Flight Plan Name: D04\_LAJA\_R1\_P1\_v6\_PR.M.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\_PR.M.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\_PR.M.xml

On-station Time: 1340 UTC / 0940 L

### Flyority 5

Collection Area: D04 Nominal Runway

Flight Plan Name: D04\_N04C\_Nominal\_Runway\_Test\_v1\_PR.M.xml

On-station Time: NA

**Crew:** Elissa (Lidar), Mitch (NIS)