



Payload 1 Daily Flight Report



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_TJBQ, 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

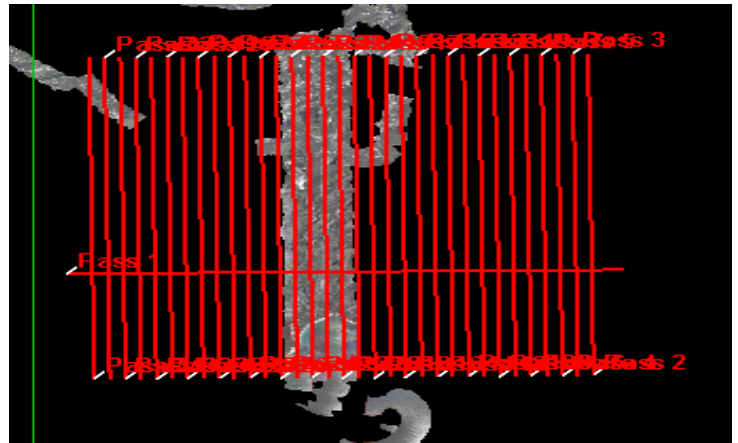
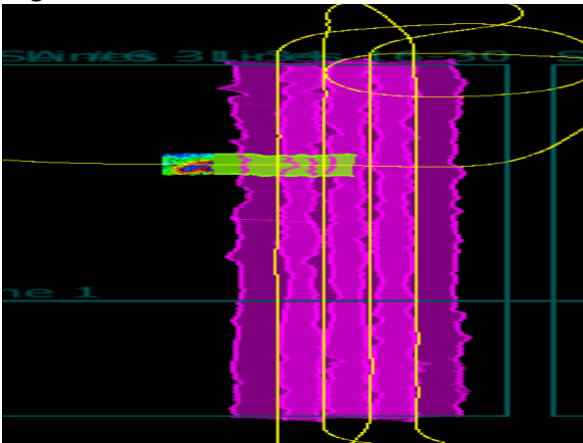
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D04|GUAN

Line #	18	19	20	21
Lidar	✓	✓	✓	
Spectrometer	✓	✓	✓	✓
Camera	✓	✓	✓	
Cloud Cover	Yellow	Yellow	Red	Red

Total number of lines flown: 4

Flight Screenshots



Pictures



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



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: 15% (5/34)

Green: 0% (0/34)

Yellow: 6% (2/34)

Red: 9% (3/34)

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)

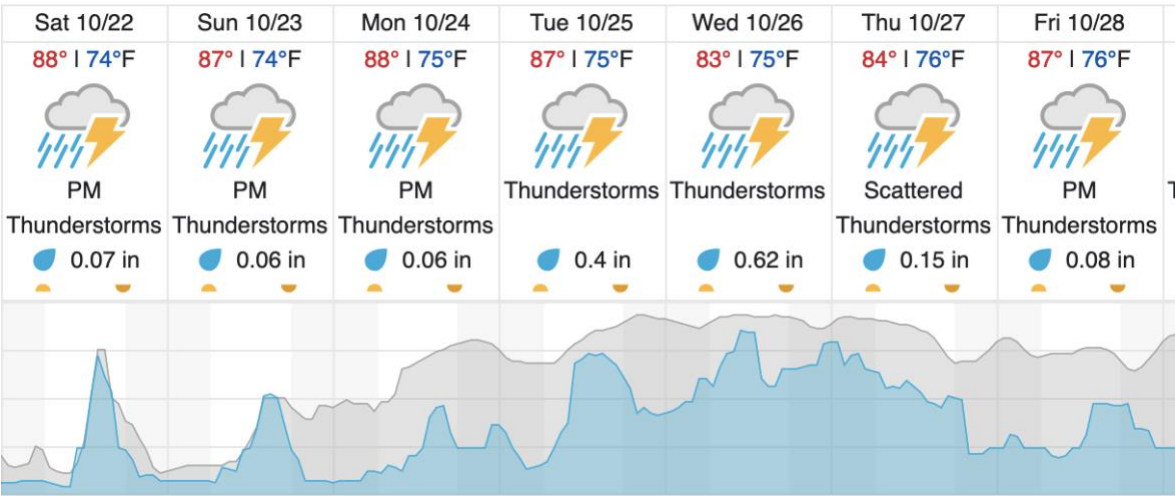
Green: 100% (5/5)

Yellow: 0% (0/5)

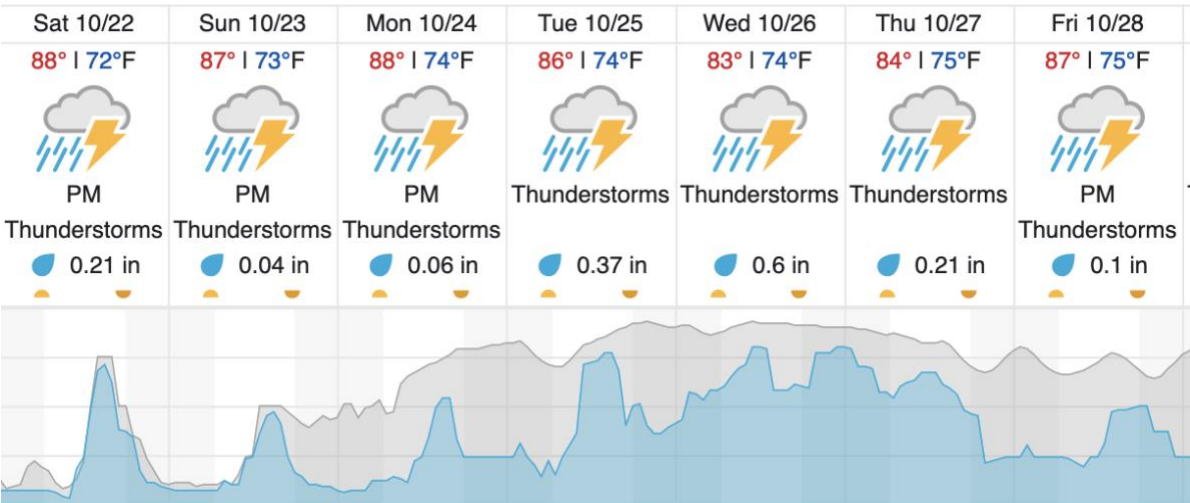
Red: 0% (0/5)

Weather Forecast

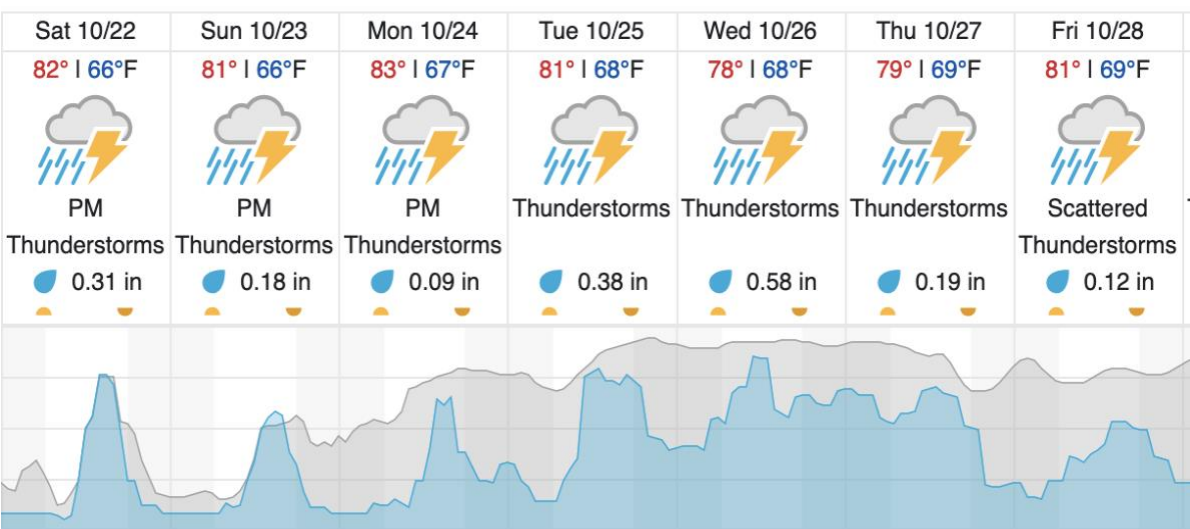
Guayanilla, Puerto Rico (GUAN)



San German, Puerto Rico (LAJA & CUPE)



Adjuntas Puerto Rico (GUIL)



	Cloud Cover (%)	Chance of Precip. (%)
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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