



Payload 1 Daily Flight Report



Date: 2022-10-28

Flight Campaign ID: P1C1

Airport, FBO ID, City: Rafeal Hernandez International Airport (TJBQ) - Aguadilla, Puerto Rico

Aircraft: N331AR

Domain: 04 (Atlantic Neotropical)

Sites Flown: None

Days left in Domain: 15

Report Author: Elissa

Lidar Operators: Elissa

Flight Hours: 00:00

Spectrometer Operators: Abe **Hours until maintenance:** 67.97

Pilots: Justin, Magnus

Ground Crew: Mitch

Summary

Today was a planned no-fly day due to yesterday's power outage and opportunistic payload maintenance. With yesterday's storm behind us and power restored, we went to the FBO this morning to turn the payload on and begin NIS getter activation. Chamber pumping and cooling began around mid-day and will likely conclude sometime this evening.

Concerns

None.

Comments

- The ion pump coax cable was reseated at both ends (ion pump and getter) prior to turning the system on for getter re-activation. Hopefully this helps with the arcing warning.
- Mitch arrived in Aguadilla this afternoon. Welcome back!

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

D04 | CUPE (Rio Cupeyes)

1	2	3	4	5	6	7	8	9	10
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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
21	22	23	24	25	26	27	28	29	30	31	32	33	34						

Flown: 53% (18/34)
Green: 0% (0/34)
Yellow: 44% (15/34)
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: 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)

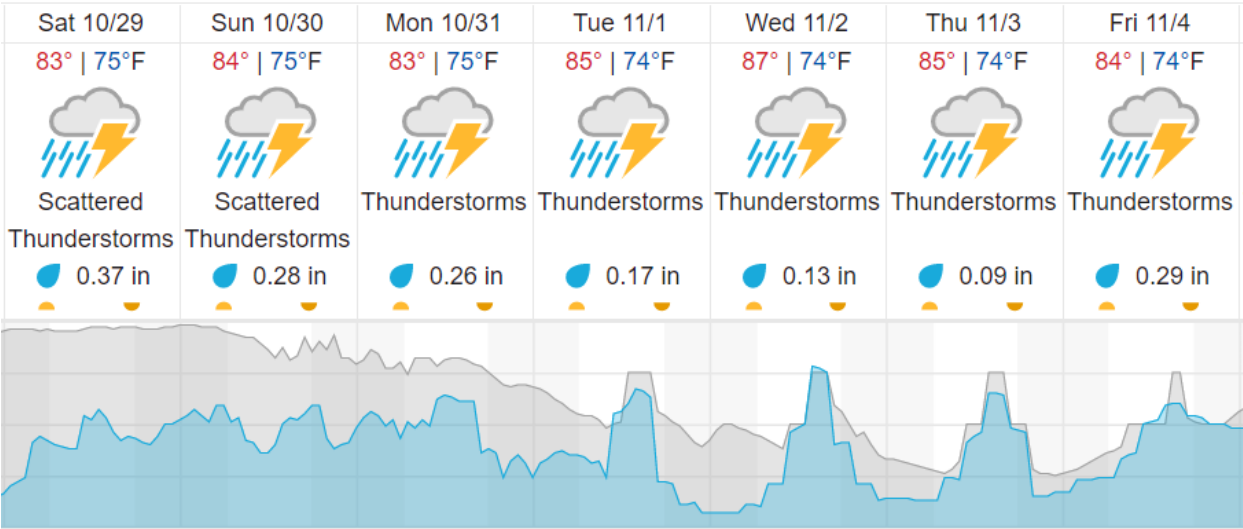
D04 | R04A ()

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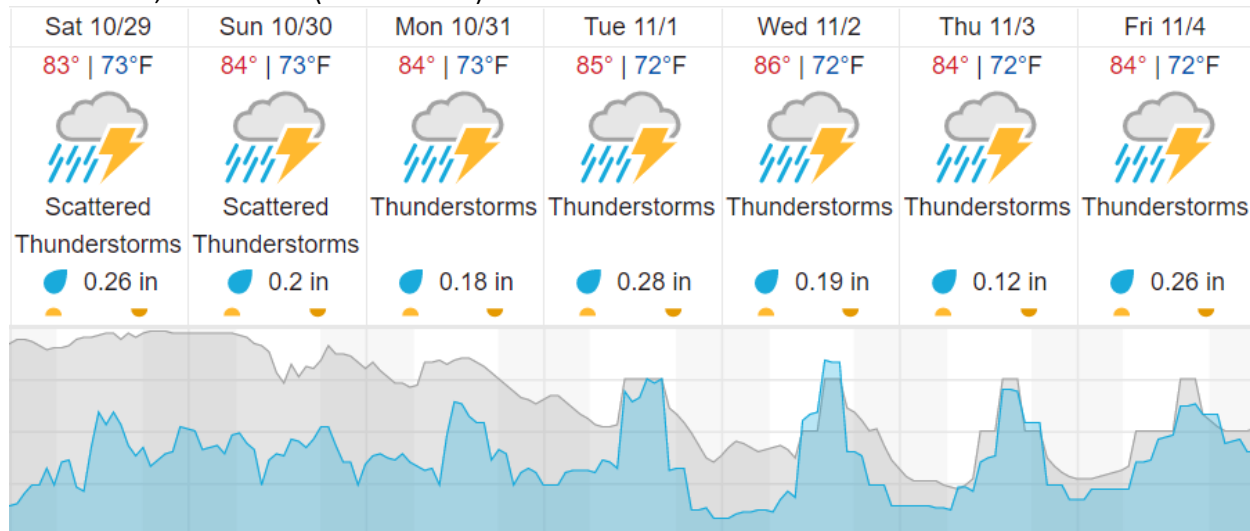
Flown: 100% (5/5)
Green: 100% (5/5)
Yellow: 0% (0/5)
Red: 0% (0/5)

Weather Forecast

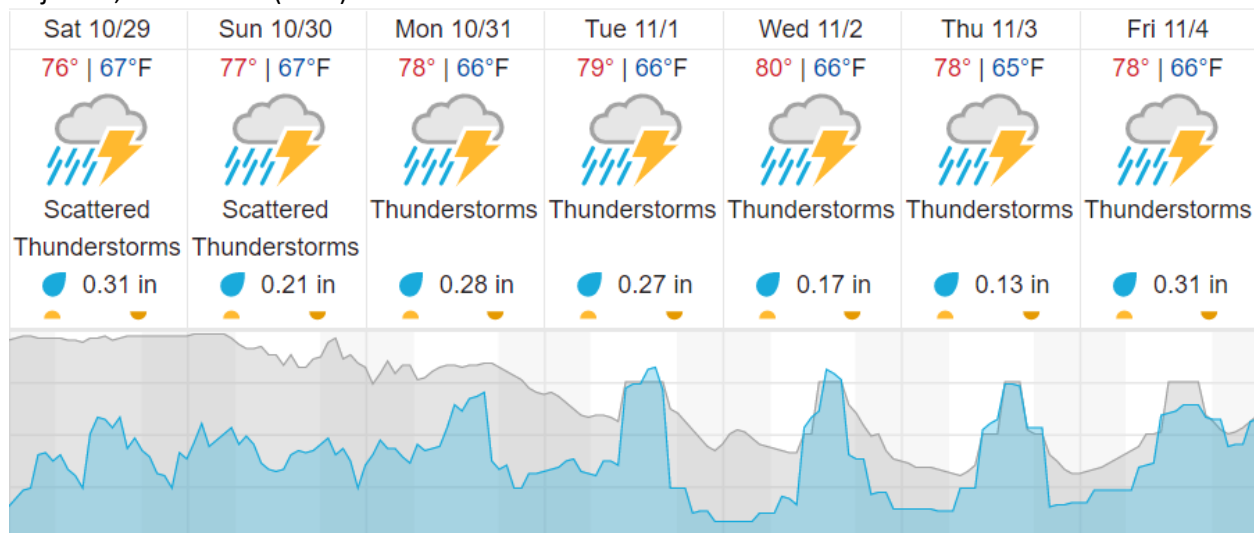
Guayanilla, Puerto Rico (GUAN)



San German, Puerto Rico (LAJA & CUPE)



Adjuntas, Puerto Rico (GUIL)



source: wunderground.com

Flight Collection Plan for 29 October 2022

Flyority 1

Collection Area: Guanica Forest (GUAN)

Flight Plan Name: D04_GUAN_C1_P1_v1_PR.M.xml

On-station Time: 1330 UTC / 0930 L

Flyority 2

Collection Area: Lajas Experimental Station (LAJA)

Flight Plan Name: D04_LAJA_R1_P1_v6_PR.M.xml

On-station Time: 1330 UTC / 0930 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: 1330 UTC / 0930 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: 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: Abe (Lidar), Elissa (NIS), Mitch (Ground)