



May 19, 2018 Payload 2 Daily Flight Report



Date: 2018-05-19

Flight Campaign ID: 2018_P2C1

Airport, FBO ID, City: Fernando Luis Ribas Dominicci Airport (TJIG) - San Juan, Puerto Rico

Domain: 04

Sites Flown: LAJA (Lajas Experimental Station)

Days left in Domain: 5

Report Author: Mitch Haynes

Flight Crew: Mitch Haynes, Michael Wussow

Ground/GPS: John Adler

Pilots: Stephen Brawders, Wesley Wyatt

Additional Personnel:

GPS Instruments: 01 - FBO_TJIG, C-PRMI

Flight Hours: 01:56

Hours until maintenance: 79.53

Summary

Collected 6 lines over Lajas during an early morning flight before low clouds and rain forced us to return to San Juan.

Concerns

Issues persist with waveform data extraction on the hotel kit failing initial extraction and needing to be re-extracted a second or third time before a successful extraction occurs.

Comments

- Collected lines 16-20,23 at LAJA. Line 21 remains the only line without initial coverage. Due to close proximity to restricted airspace, it won't be attempted till permission to enter restricted airspace is given.
- Attempted re-fly of line 22 at GUAN, but had to abort due to low clouds.
- Power cable to pilot display was replaced. No pilot display errors occurred during flight. Flight crew will continue to monitor.
- Conducted aircraft tour with Domain 04 staff.

Daily Coverage

D04 LAJA	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
Flown:	6							

Cumulative Domain Coverage

GUAN

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: 100% (34/34)

Green: 0% (0/34)

Yellow: 3% (1/34)

Red: 109% (37/34)

CUPE

1	2	3	4	5	6	7	8	9	10
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Flown: 90% (9/10)
Green: 0% (0/10)
Yellow: 90% (9/10)
Red: 0% (0/10)

GUIL

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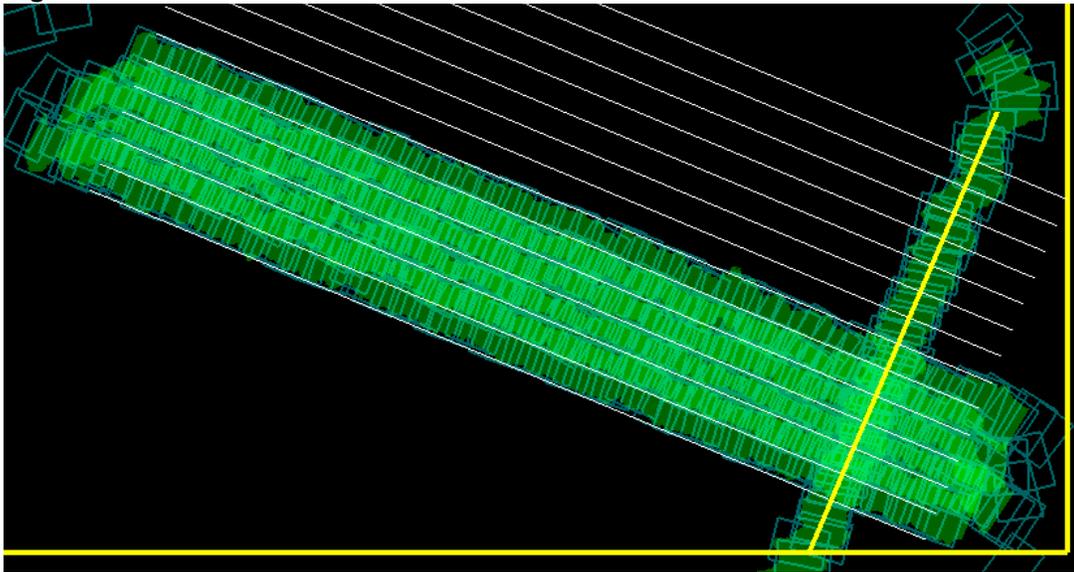
Flown: 0% (0/15)
Green: 0% (0/15)
Yellow: 0% (0/15)
Red: 0% (0/15)

LAJA

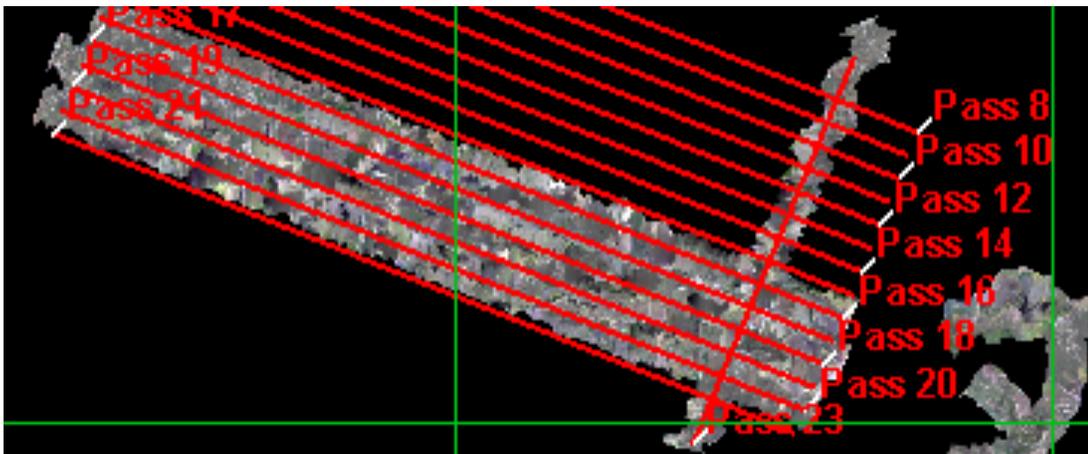
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21	22	23																		

Flown: 96% (22/23)
Green: 0% (0/23)
Yellow: 48% (11/23)
Red: 61% (14/23)

Flight Screenshots



Above: Lidar screenshot of LAJA Below: NIS Screenshot



Pictures



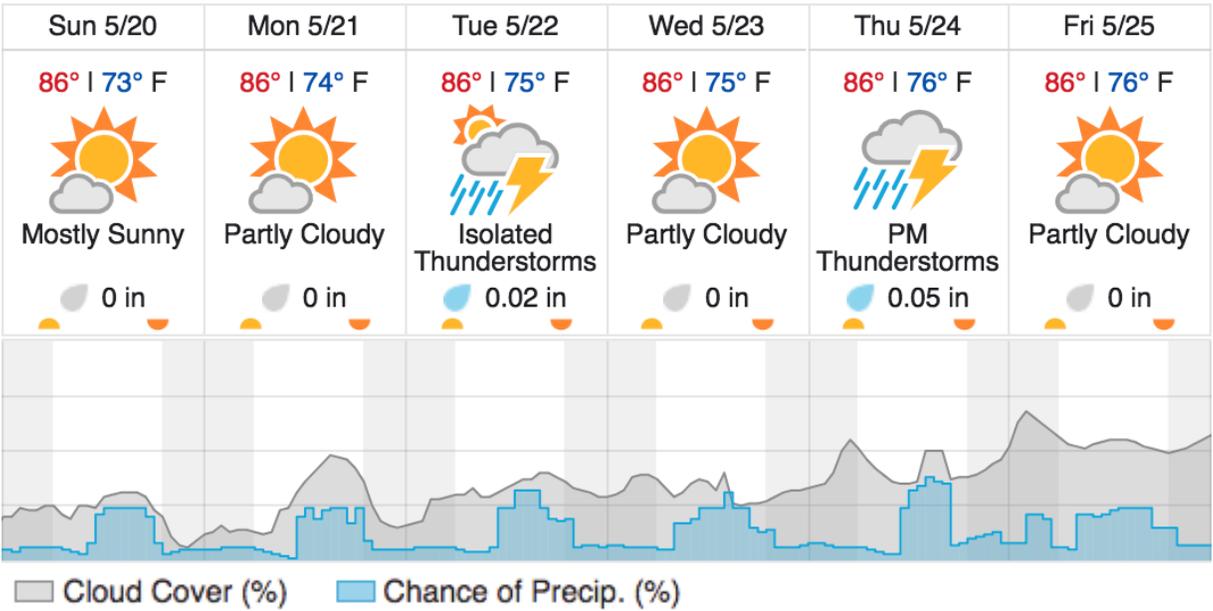
Above: View of Arecibo Radio Telescope Observatory on our transit. **Below:** Conditions of Lajas during today's flight.





Above: Payload 2 flight crew and Domain 04 staff

Weather Forecast



Flight Collection Plan for 20 May 2018

Flight Priority (Flyority) 1:

Collection Area: Guanica Forest (GUAN)

Flight Plan Name: D04_GUAN_C1_P1_v1.pln

On-station Time: 1300 UTC / 0900 L

Lines 1-34 (100%) complete under non-green, line 22 needs to be reflown, re-fly if green

Flyority 2:

Collection Area: Lajas Experimental Station (LAJA)

Flight Plan Name: D04_LAJA_R1_P1_v3.pln

On-station Time: 1300 UTC / 0900 L

Lines 1-20,22-23 complete under non-green, line 21 awaiting restricted area entry

Flyority 3:

Collection Area: Rio Cupeyes (CUPE)

Flight Plan Name: D04_CUPE_A1_P1_v1.pln

On-station Time: 1300 UTC / 0900 L

Lines 1,2-10 complete under non-green, lines 3 & 6 should be re-flown if possible

Flyority 4:

Collection Area: Rio Guilarte (GUIL)

Flight Plan Name: D04_GUIL_A2_P1_v1.pln

On-station Time: 1300 UTC / 0900 L

Crew: John Adler (Lidar), Mitch Haynes (NIS), Michael Wussow (Ground)