



May 14, 2018 Payload 2 Daily Flight Report



Date: 2018-05-14

Flight Campaign ID: 2018_P2C1

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

Domain: 04

Sites Flown: CUPE (Rio Cupeyes), N04A (D04 Nominal Runway Option A)

Days left in Domain: 10

Report Author: Mitch Haynes

Flight Crew: Mitch Haynes, Michael Wussow

Flight Hours: 01:50

Ground/GPS: Heather Rogers

Hours until maintenance: 81.47

Pilots: Stephen Brawders, Wesley Wyatt

Additional Personnel:

GPS Instruments: 01 - FBO_TJIG, C-PRMI, C-PRGY, U-P780

Summary

Low clouds over the two coastal sites with more clear conditions present in the mountains allowed the flight crew to collect our first data over a D04 Aquatic Site, Rio Cupeyes. As the flight progressed, so did the number of eye safety shutoffs due to clouds, eventually leading us to call off the collect. 90% of the flight box was collected under yellow conditions.

Concerns

None

Comments

- Lines 1 & 3-10 were collected over CUPE under yellow conditions. Several of these lines should re-flown due to eye safety shutoffs, if given the opportunity.
- No pilot display issues during today's flight.
- Nominal runway calibration flight was completed over TJSP.
- RAID 2018_P2C1_04 was shipped to Denver.
- An alternate LAJA flight plan (v2) has been provided should the Aerostat balloon ever be down and entry into the restricted airspace given.
- Additionally, line 21 of the planned LAJA flight box (v6) have proved to be too close to the restricted airspace for our pilots to fly without risk of accidentally entering the airspace. This line won't be attempted unless we're granted permission to enter the restricted airspace.

Daily Coverage

D04 CUPE	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC

	10				✓	✓	✓	NLC
Flown:	9							
D04 N04A	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
Flown:	1							

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: 83% (19/23)

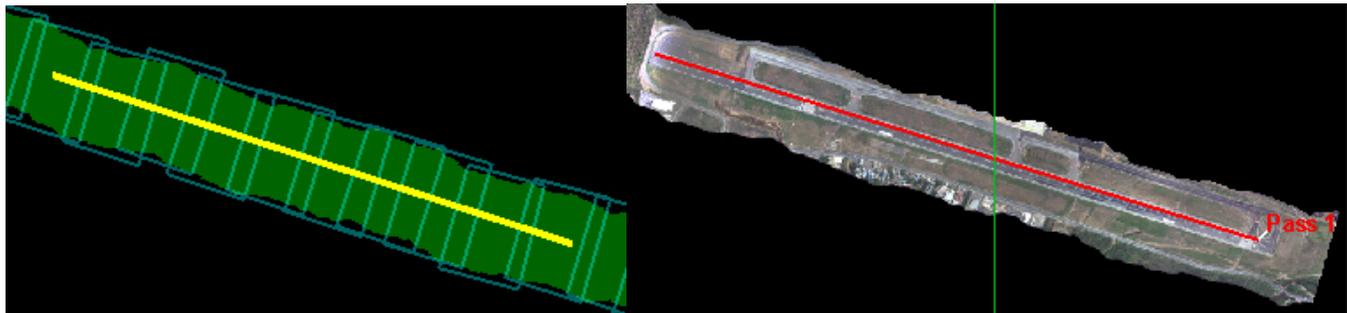
Green: 0% (0/23)

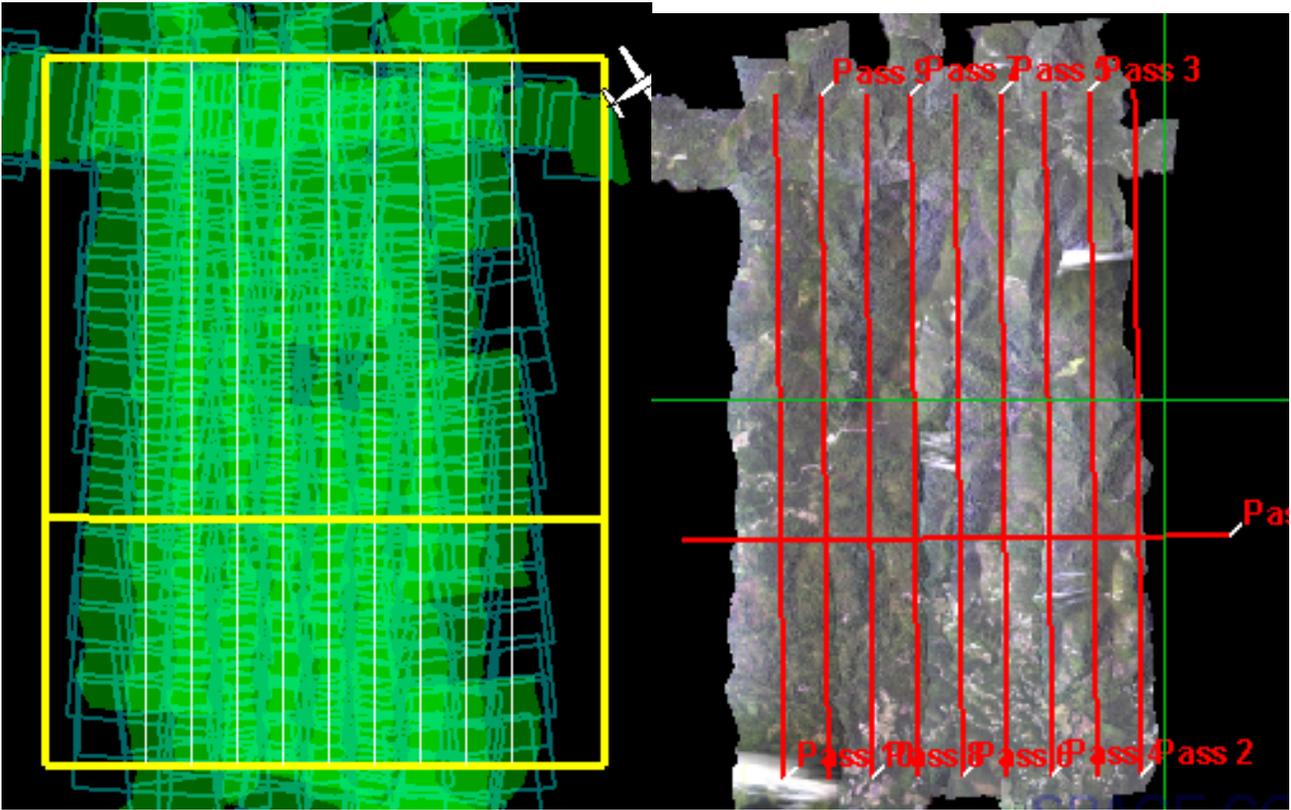
Yellow: 48% (11/23)

Red: 35% (8/23)

Flight Screenshots

N04A





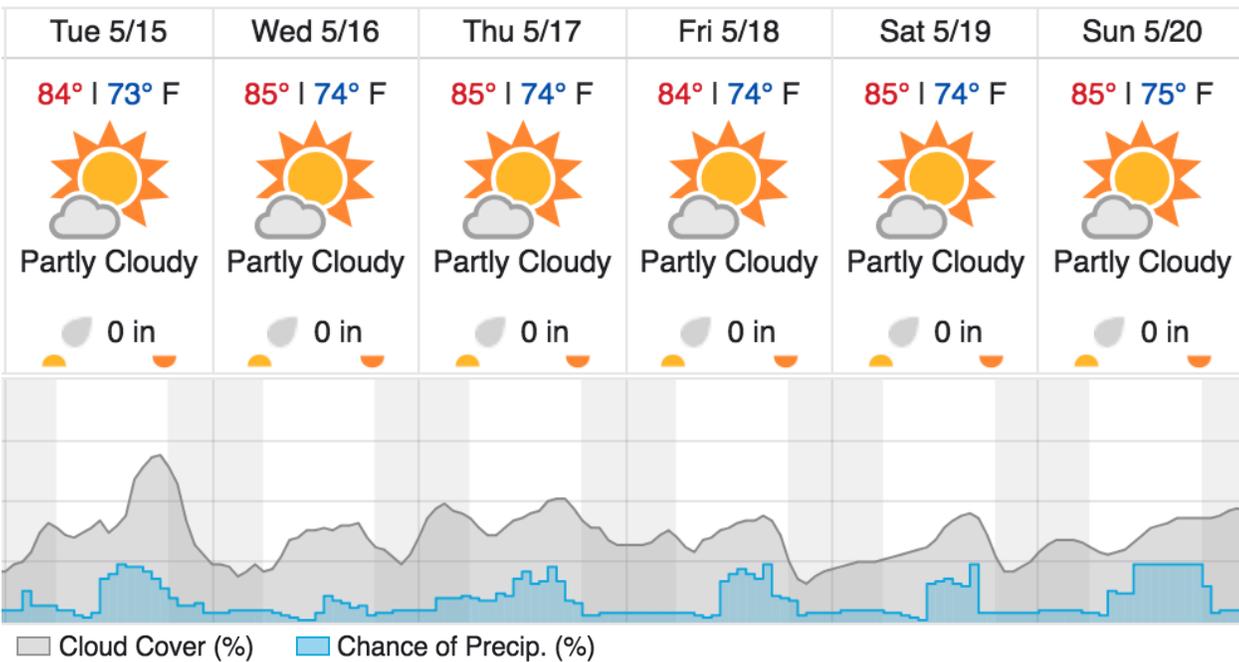
Pictures Rio Cupeyes site





First time we've seen the Rio Cupeyes aquatic site not soaked in with clouds

Weather Forecast



Flight Collection Plan for 15 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, 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 1-16,20,22-23 complete under non-green

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: Heather Rogers (Lidar), Mitch Haynes (NIS), Michael Wussow (Ground/GPS)