



September 6, 2019 Payload 3 Daily Flight Report



Date: 2019-09-06

Flight Campaign ID: 2019_P3C1

Airport, FBO ID, City: Thomasville Regional Airport (KTVI) - Thomasville, GA

Domain: 03

Sites Flown: JERC_P1 (Jones Ecological Research Center Priority 1)

Days left in Domain: 8

Report Author: Elissa Barris

Flight Crew: Elissa Barris, Robb Walker

Ground/GPS: Robb Walker

Pilots: Mike Francis, Shelby Schulz

Additional Personnel: None

GPS Instruments: 06 - FBO_KTVI, 10 - JERC

Flight Hours: 04:25

Hours until maintenance: 27.73

Summary

We conducted a full length flight today in mixed conditions, which enabled us to collect all priority lines in the JERC P1 box in green conditions. Afterward, we departed for a second, shorter flight, collecting several more lines in green conditions up until the end of our solar window.

Concerns

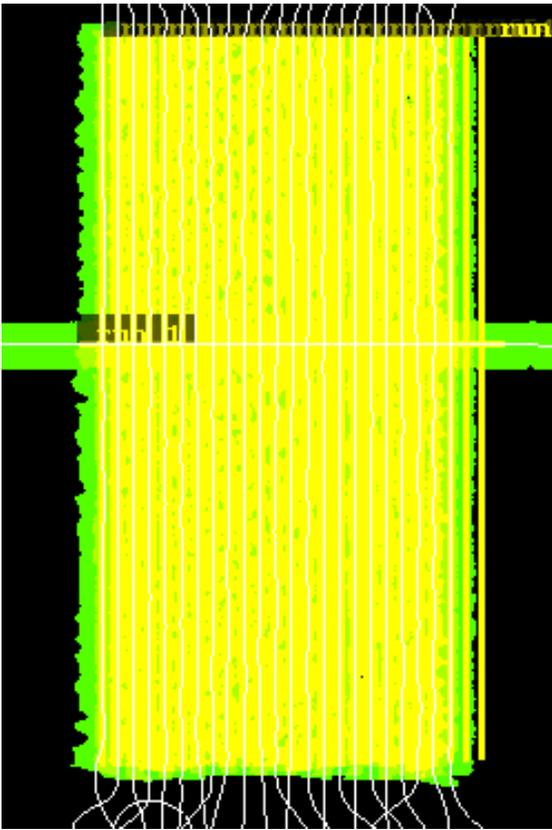
During today's second flight, the LiDAR failed to register returns on several test attempts, possibly due to a connection issue between RiAcquire and the scanner. Powercycling the scanner and reseating the scanner comm cable resolved the issue for the time being, but some collection time was lost.

Comments

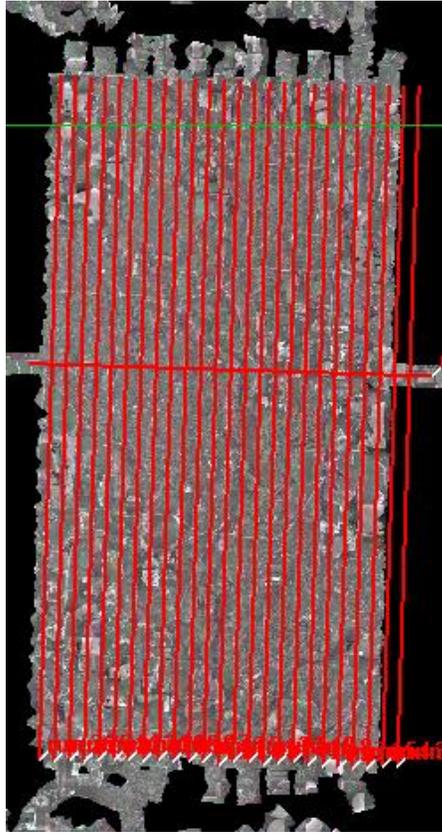
None

Flight Screenshots

Flight 2019090613

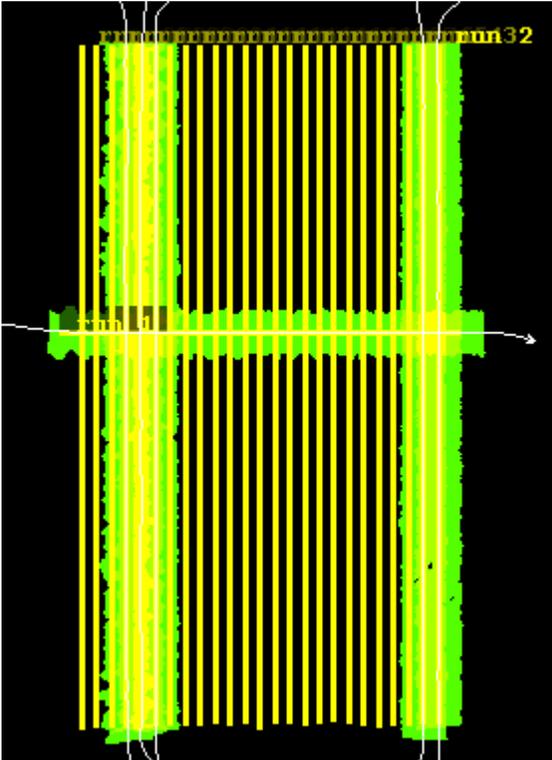


Lidar

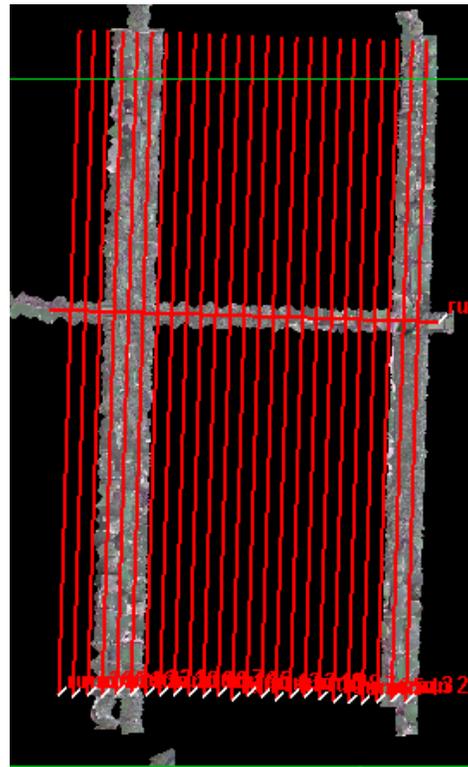


NIS

Flight 2019090619



Lidar



NIS

Pictures



Smoke and haze on the Eastern horizon at JERC

Daily Coverage

D03 JERC_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC

	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
Flown:	26							

Cumulative Domain Coverage

DSNY

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	35	36				

Flown: 0% (0/36)
 Green: 0% (0/36)
 Yellow: 0% (0/36)
 Red: 0% (0/36)

JERC_P1

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														

Flown: 100% (26/26)
 Green: 92% (24/26)
 Yellow: 23% (6/26)
 Red: 54% (14/26)

JERC_P2

27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
47	48	49	50	51															

Flown: 0% (0/25)
 Green: 0% (0/25)
 Yellow: 0% (0/25)
 Red: 0% (0/25)

OSBS_P1

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													

Flown: 0% (0/27)
 Green: 0% (0/27)
 Yellow: 0% (0/27)
 Red: 0% (0/27)

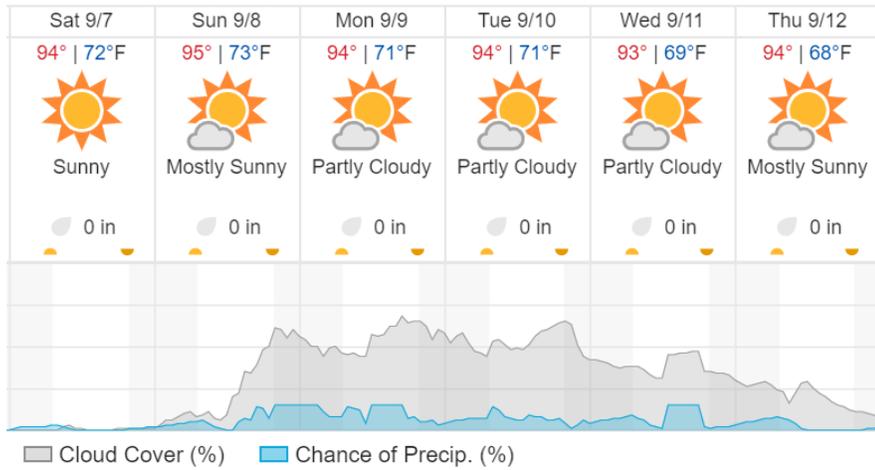
OSBS_P2

28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
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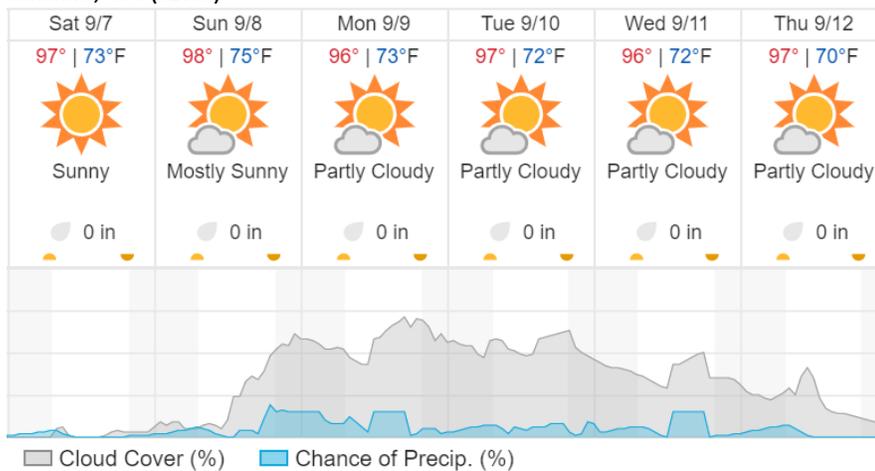
Flown: 0% (0/16)
 Green: 0% (0/16)
 Yellow: 0% (0/16)
 Red: 0% (0/16)

Weather Forecast

Thomasville, GA (KTVI)



Camilla, GA (JERC)



Flight Collection Plan for 07 September 2019

Flyority 1

Collection Area: Jones Ecological Research Center (JERC) Priority 1 Flight Box, Lines 24-26

Flight Plan Name: D03_JERC_R2_P1_v5_Q780

On-Station Time: 1440 – 2040 UTC / 1040 – 1640 L

Flyority 2

Collection Area: Jones Ecological Research Center (JERC) Priority 2 Flight Box

Flight Plan Name: D03_JERC_R2_P2_v5_Q780

On-Station Time: 1440 – 2040 UTC / 1040 – 1640 L

Crew: Robb Walker (Lidar), Elissa Barris (NIS/Ground)

Flight Collection Plan for 08 September 2019

Flyority 1-2: Same as previous day

Crew: Elissa Barris (Lidar), Robb Walker (NIS/Ground)