



Payload 3 Daily Flight Report



Date: 2024-05-11

Flight Campaign ID: P3C1

Airport, FBO ID, City: Ocala International Airport (KOCF) - Ocala, FL, Tallahassee International Airport (KTLH) - Tallahassee, FL

Aircraft: N821AR

Domain: 03 (Southeast)

Sites Flown: JERC_P1 (Jones Ecological Research Center Priority 1), JERC_P2 (Jones Ecological Research Center Priority 2)

Days left in Domain: 1

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 03:47:00, 03:15:00

Spectrometer Operators: Mitch

Hours until maintenance: 75.20

Pilots: Justin, Manning

GPS Instruments: 01 - JERC_P1, 02 - KOCF

Summary

We completed initial coverage at JERC_P1 & JERC_P2 boxes under “yellow” cloud conditions in two flights using Tallahassee as a fuel stop.

Concerns

- cRIO needed to be reset again prior to today's flight.

Comments

- Tomorrow is the last day for possible data collection in D03.
- Pilot Manning leaves tomorrow and pilot Will replaces him. Thanks for the hard work Manning!

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

Line #

D03|JERC_P1

Line #	2	3	4	5	6	22	23	24	25	26
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover										

Total number of lines flown: 10

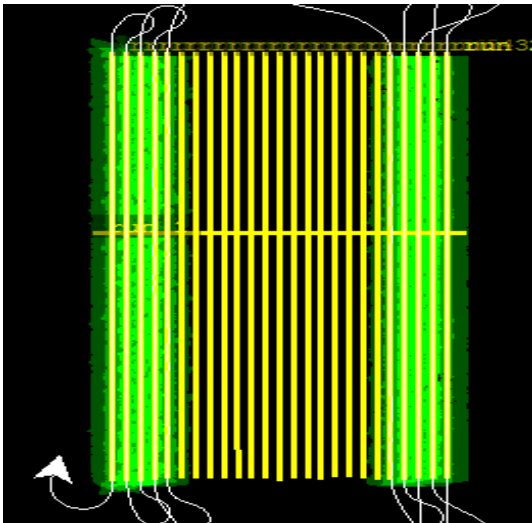
Line #	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	48	49	50	51
Lidar	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓
Camera	✓	✓	✓	✓
Cloud Cover				

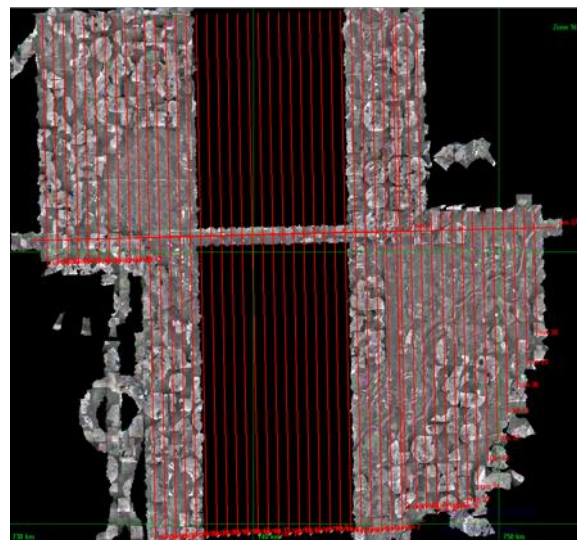
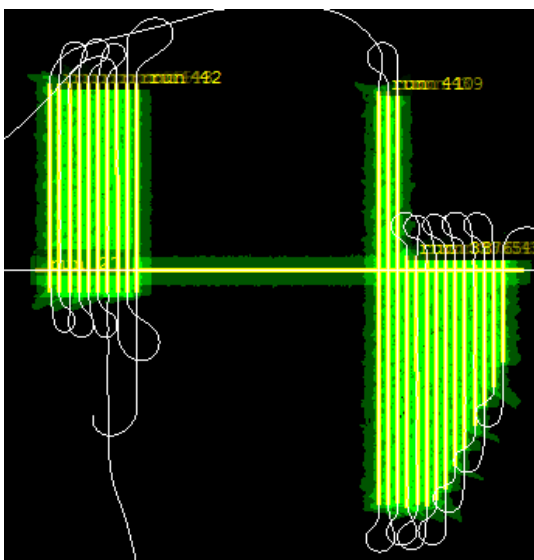
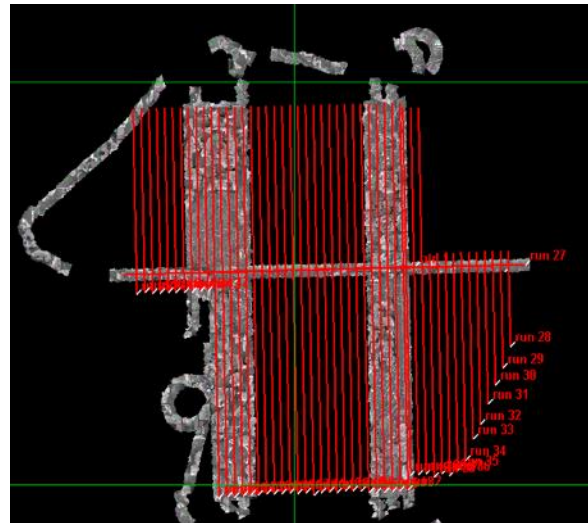
Total number of lines flown: 24

Flight Screenshots

Lidar Swath



NIS Geo Paint



Pictures



Skies over JERC this morning!

Cumulative Domain Coverage

D03|JERC_P1 (Jones Ecological Research Center Priority 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% (25/25)

Green: 0% (0/25)

Yellow: 40% (10/25)

Red: 60% (15/25)

D03|JERC_P2 (Jones Ecological Research Center Priority 2)

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: 100% (24/24)

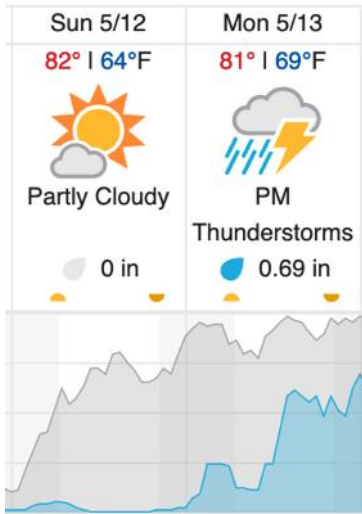
Green: 0% (0/24)

Yellow: 100% (24/24)

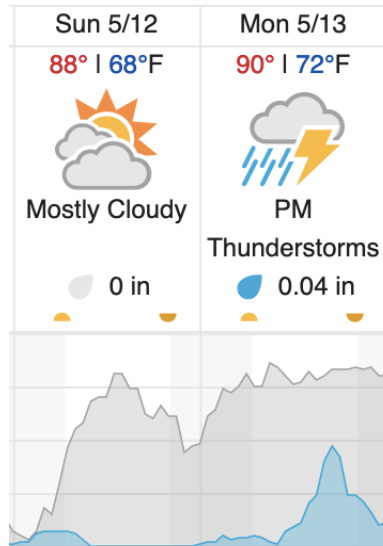
Red: 0% (0/24)

Weather Forecast

Newton, GA (JERC)



Ocala, FL (FBO)



source: wunderground.com

Flight Collection Plan for May 12, 2024

Flyority 1

Collection Area: Jones Ecological Research Center (JERC) P1

Flight Plan Name: D03_JERC_R2_P1_P2_v4_PRM.xml

On-Station Time: 1400 UTC/ 1000 L

Flyority 2

Collection Area: Jones Ecological Research Center (JERC) P2

Flight Plan Name: D03_JERC_R2_P1_P2_v4_PRM.xml

On-Station Time: 1400 UTC/ 1000 L

Crew: Mitch (Lidar), Cam (NIS)