



Payload 2 Daily Flight Report



Date: 2026-04-29

Flight Campaign ID: P2C1

Airport, FBO ID, City: Gainesville Regional Airport (KGNV) - Gainesville, FL

Aircraft: N821AR

Domain: 03 (Southeast)

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

Days left in Domain: 2

Report Author: Alyssa

Lidar Operators: Alyssa

Spectrometer Operators: Cameron

Pilots: Jonathon, Justin

Flight Hours: 03:36:00, 00:46:00

Hours until maintenance: 58.67

GPS Instruments: 03 - JERC_P1, C-GNVL

Summary

With the storm cell coming in at the end of this week, crew decided to collect the rest of JERC in yellow conditions.

Concerns

N/A

Comments

N/A

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

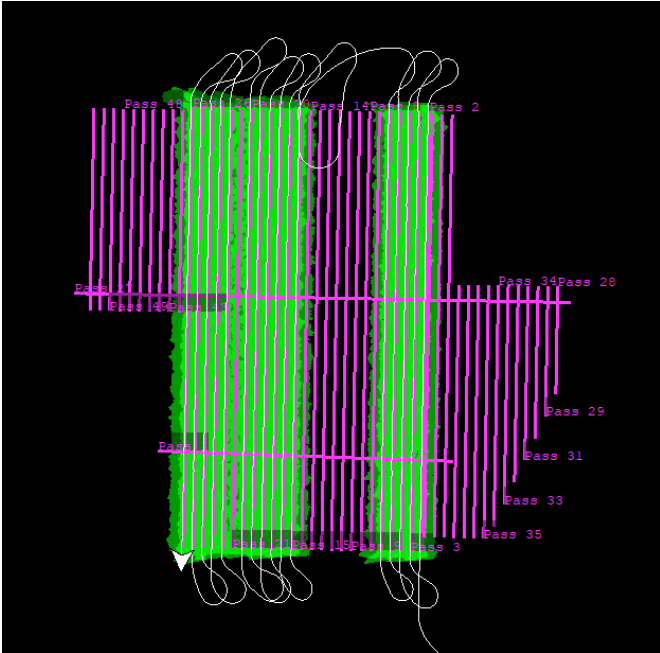
D03|JERC_P1

Line #	2	3	4	5	6	15	16	17	18	19	20	22	23	24	25	26
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																

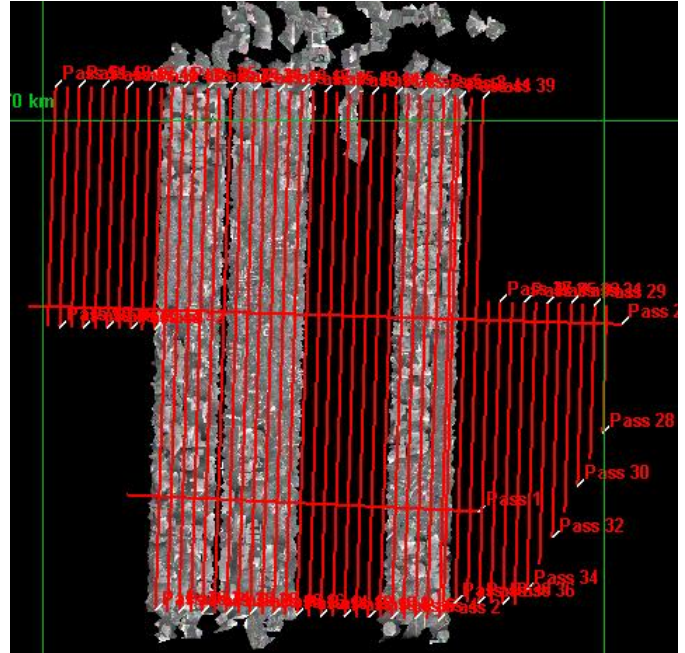
Total number of lines flown: 16

Flight Screenshots

Lidar



NIS



Pictures

Thick haze/smoke made for yellow data



Cumulative Domain Coverage

D03 | DSNY (Disney Wilderness Preserve)

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: 100% (35/35)

Green: 0% (0/35)

Yellow: 77% (27/35)

Red: 23% (8/35)

* Flown within 35deg solar angle

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: 32% (8/25)

Yellow: 68% (17/25)

Red: 0% (0/25)

* Flown within 35deg solar angle

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)

* Flown within 35deg solar angle

D03 | OSBS_P1 (Ordway-Swisher Biological Station 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	27															

Flown: 100% (26/26)

Green: 100% (26/26)

Yellow: 0% (0/26)

Red: 0% (0/26)

* Flown within 35deg solar angle

D03 | OSBS_P2 (Ordway-Swisher Biological Station Priority 2)

29	30	31	32	33	34	35	36	37	38	39	40	41	42	43						
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Flown: 100% (15/15)

Green: 67% (10/15)

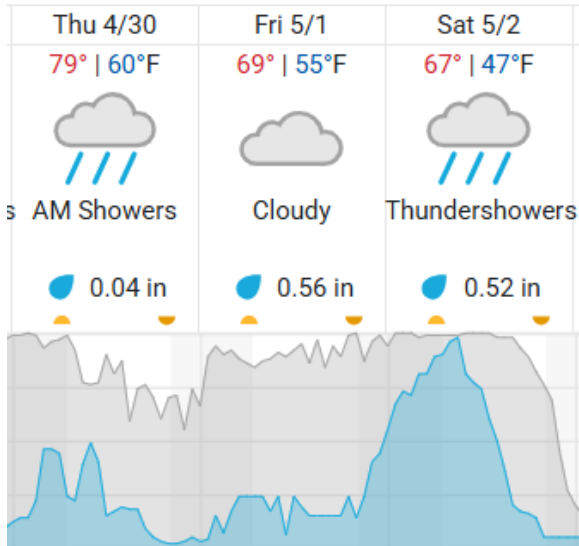
Yellow: 0% (0/15)

Red: 33% (5/15)

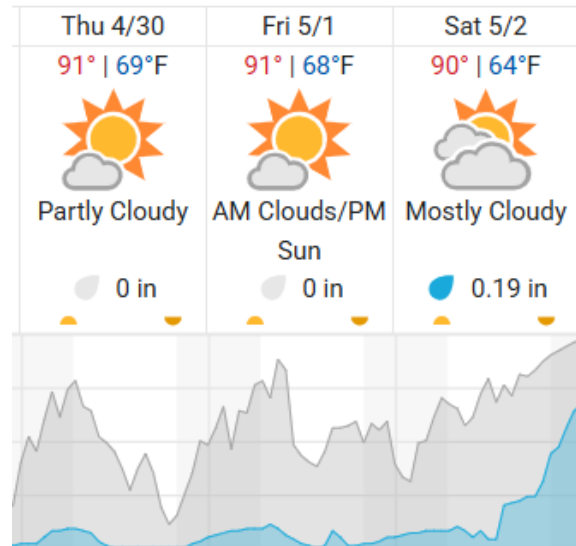
* Flown within 35deg solar angle

Weather Forecast

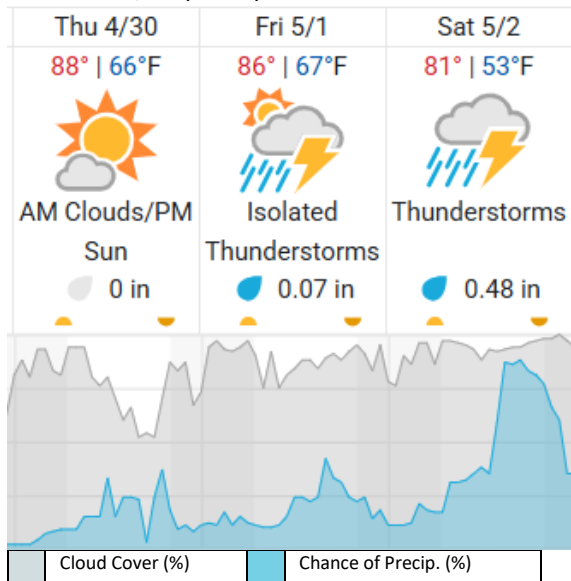
Newton, GA (JERC)



Kissimmee, FL (DSNY)



Gainesville, FL (OSBS)



source: wunderground.com

Flight Collection Plan for April 2026

Flyority 1

Site: Jones Ecological Research Center (JERC) P1 **Only if Green**

Flight Plan Name: D03_JERC_R2_P1_P2_v6_VQ78

Solar Angle Time: 14:30UTC/10:30L to 20:50UTC/16:50L

Flyority 2

Site: Disney Wilderness Preserve (DSNY) **Only if Green**

Flight plan name: D03_DSNY_R1_P1_v5_VQ780

Solar Angle Time: 14:10UTC/10:10L to 20:40UTC/16:40L

Flyority 3

Site: Jones Ecological Research Center (JERC) P2 **Only if Green**

Flight Plan Name: D03_JERC_R2_P1_P2_v6_VQ78

Solar Angle Time: 14:30UTC/10:30L to 20:50UTC/16:50L

Flyority 4

Site: Ordway-Swisher Biological Station (OSBS) P2 *Lines 29-33, Only if Green*

Flight Plan Name: D03_OSBS_C1_P1_P2_v5_VQ780

Solar Angle Time: 14:10UTC/10:10L to 20:40UTC/16:40L

Crew: Cam (Lidar), Alyssa (NIS)