



Payload 3 Daily Flight Report



Date: 2024-05-07

Flight Campaign ID: P3C1

Airport, FBO ID, City: Ocala International Airport (KOCF) - Ocala, FL, Thomasville Regional Airport (KTVI) - Thomasville, GA

Aircraft: N821AR

Domain: 03 (Southeast)

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

Days left in Domain: 5

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 01:19:00, 00:56:00

Spectrometer Operators: Mitch

Hours until maintenance: 86.98

Pilots: Justin, Manning

GPS Instruments: 01 - JERC_P1, 02 - KOCF

Summary

The crew took to the sky early this morning with the intent to collect initial coverage at JERC. Regrettably, a series of unfortunate events occurred which prevented data collection. The site was obscured with an early morning fog that was forecast to burn off around solar angle. The fog did burn off however a low layer of cumulus clouds lingered around the site. Thus, we landed at KTVI in Thomasville, GA for fuel and to wait for the clouds to lift higher. An hour after landing, the FBO's New GPU ran out of gas and their backup GPU was inoperable. No fuel for the GPU was readily available so the system was placed into safe mode and shutdown. The system was restarted on the ferry back to Ocala.

Concerns

- KTVI's ongoing GPU issues will likely result in the utilization of alternate fueling airports when flying JERC.

Comments

- TOIL maintenance crew is scheduled to arrive today. The maintenance is not expected to interfere with flight operations.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

Line #

Flight Screenshots: None

Pictures: None

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: 0% (0/25)

Green: 0% (0/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

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: 0% (0/24)

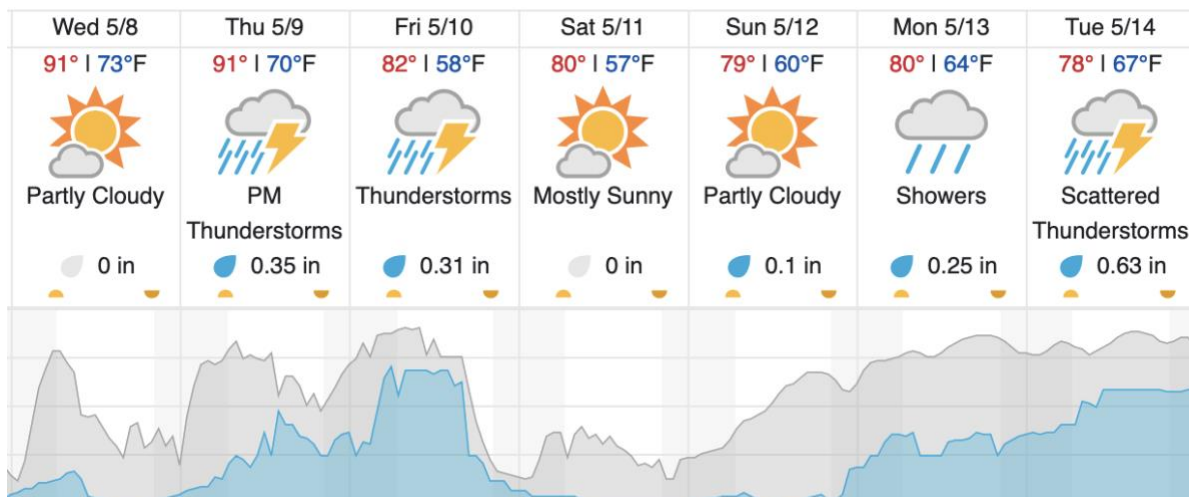
Green: 0% (0/24)

Yellow: 0% (0/24)

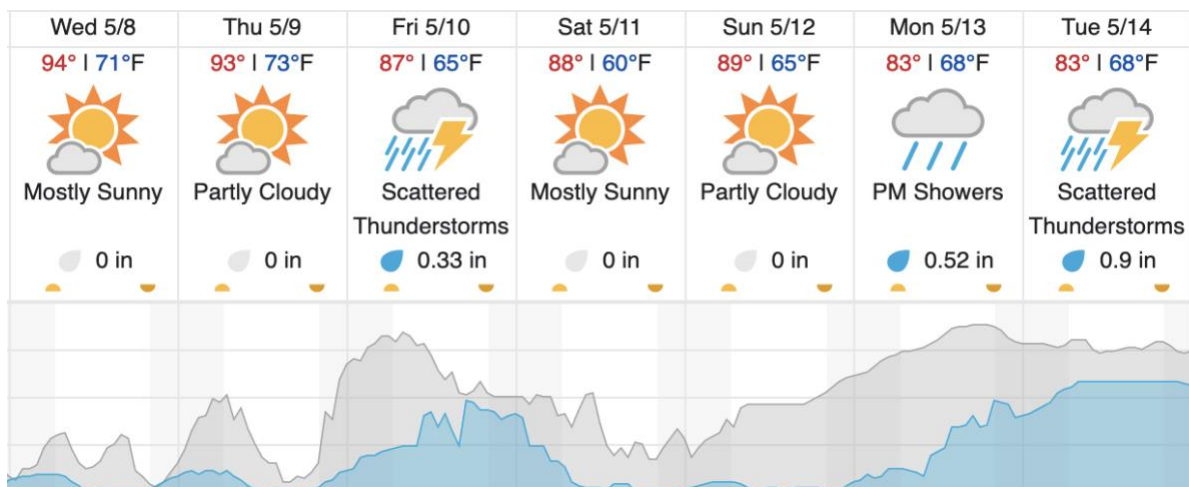
Red: 0% (0/24)

Weather Forecast

Newton, GA (JERC)



Ocala, FL (FBO)



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for May 8, 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: 1410 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: 1410 UTC/ 1010 L

Crew: Mikhell (Lidar), Cameron (NIS)