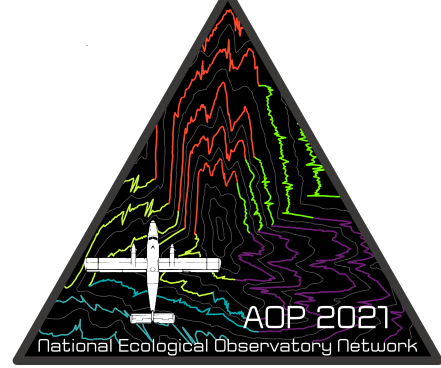




Payload 3 Daily Flight Report



Date: 2021-04-22

Flight Campaign ID: P3C1

Airport, FBO ID, City: Tuscaloosa Regional Airport (KTCL) - Tuscaloosa, AL

Aircraft: N615AR

Domain: 08 (Ozarks Complex)

Sites Flown: LENO (Lenoir Landing)

Days left in Domain: 17

Report Author: Cameron Chapman

Lidar Operators: Cameron Chapman

Spectrometer Operators: Abe Morrison

Pilots: Stephen Brawders, Vince Maarschalkerweerd

Flight Hours: 03:33

Hours until maintenance: 69.30

GPS Instruments: 03 - LENO, 09 - FBO_KTCL

Summary

The crew had to resolve a few technical issues prior to flights this morning. A big thanks to Mitch, John M and Ian for assisting with troubleshooting and resolving the issue. With clouds building to the north, the crew initially went down to DELA as the tower camera showed a high potential for a green collect. Upon arriving at DELA, a layer of cirrus and a lower layer of cumulus were lingering over the site. We then moved down to LENO and were greeted by clear skies. We collected 19 lines over LENO before the cloud conditions became unfavorable.

Concerns

None

Comments

- Crew completed all LENO priority lines.
- Continued coordination with D08 staff for coincidence flights.
- Crew will likely start GPS validation points at TALL tomorrow if it's too cloudy for flight data collection.

Daily Coverage

Estimated Cloud Cover Key

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

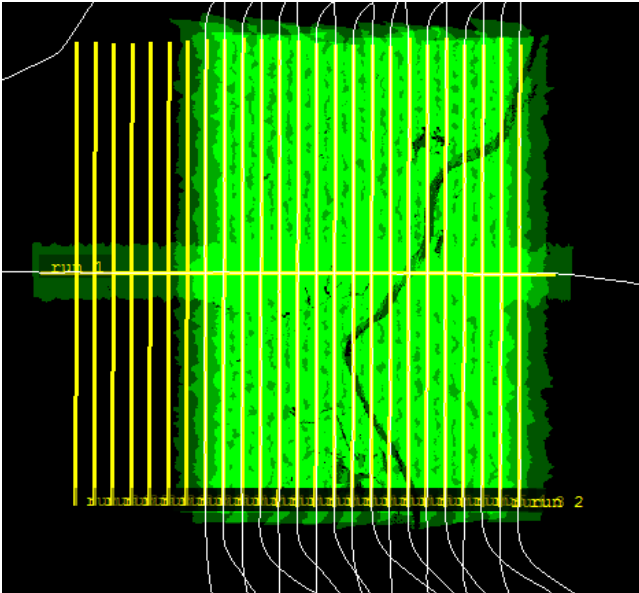
D08|LENO

Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																		

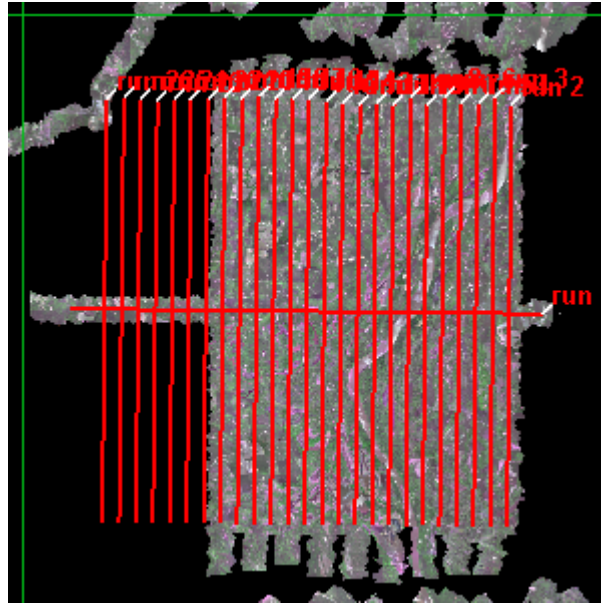
Total number of lines flown: 18

Flight Screenshots

LIDAR



NIS



Pictures



Clouds looming above DELA



Top: Clear skies over LENO for much of today's flight!

Bottom: The LENO tower can be spotted if you look closely!



Cumulative Domain Coverage

D08 | DELA (Dead Lake)

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% (0/26)
 Green: 0% (0/26)
 Yellow: 0% (0/26)
 Red: 0% (0/26)

D08 | LENO (Lenoir Landing)

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: 73% (19/26)
 Green: 65% (17/26)
 Yellow: 8% (2/26)
 Red: 0% (0/26)

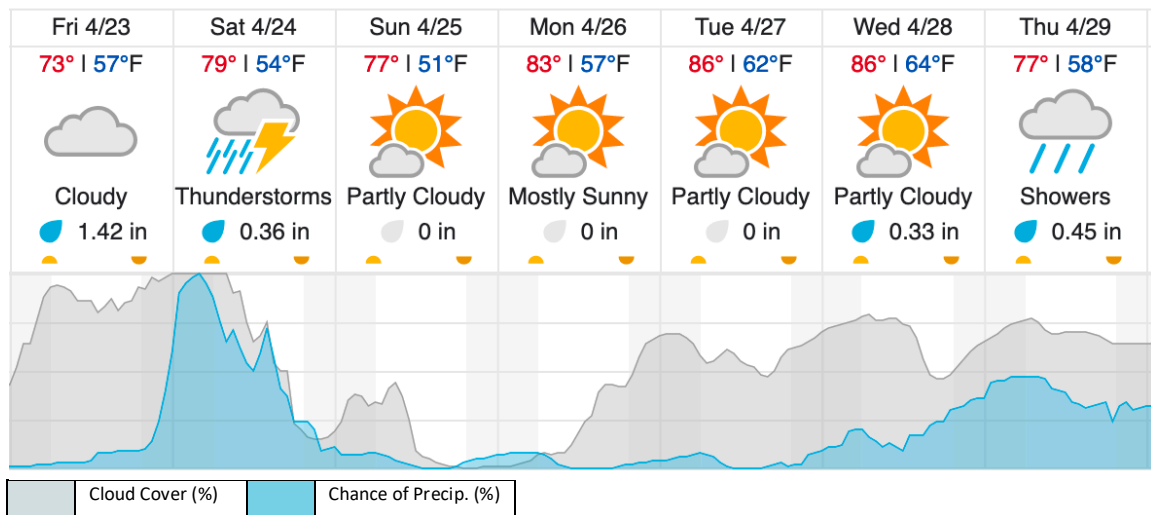
D08 | TALL (Talladega National Forest)

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% (0/26)
 Green: 0% (0/26)
 Yellow: 0% (0/26)
 Red: 0% (0/26)

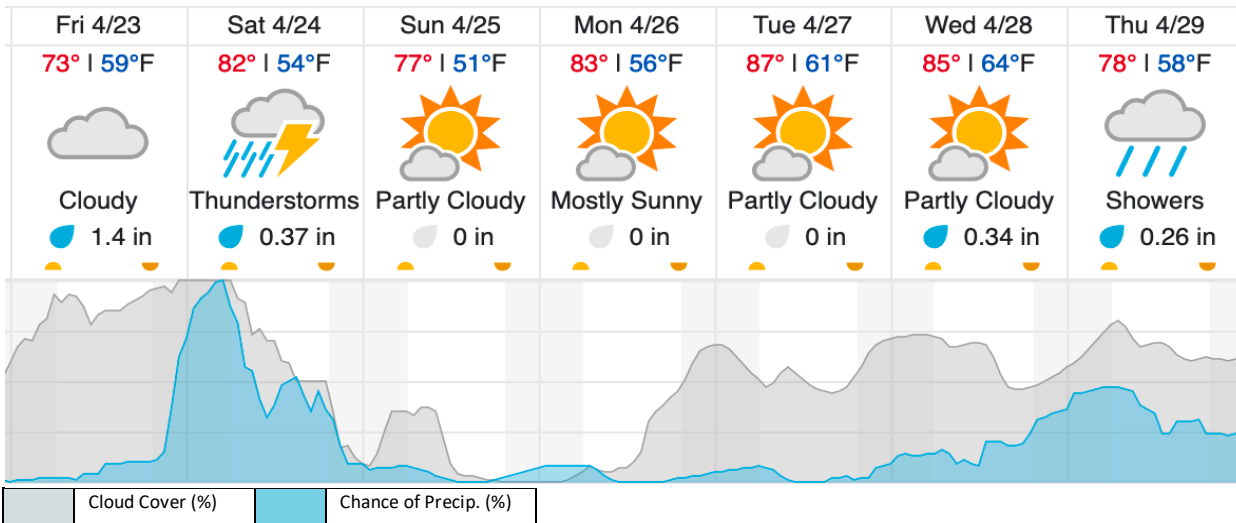
Weather Forecast

Tuscaloosa, AL (TALL)



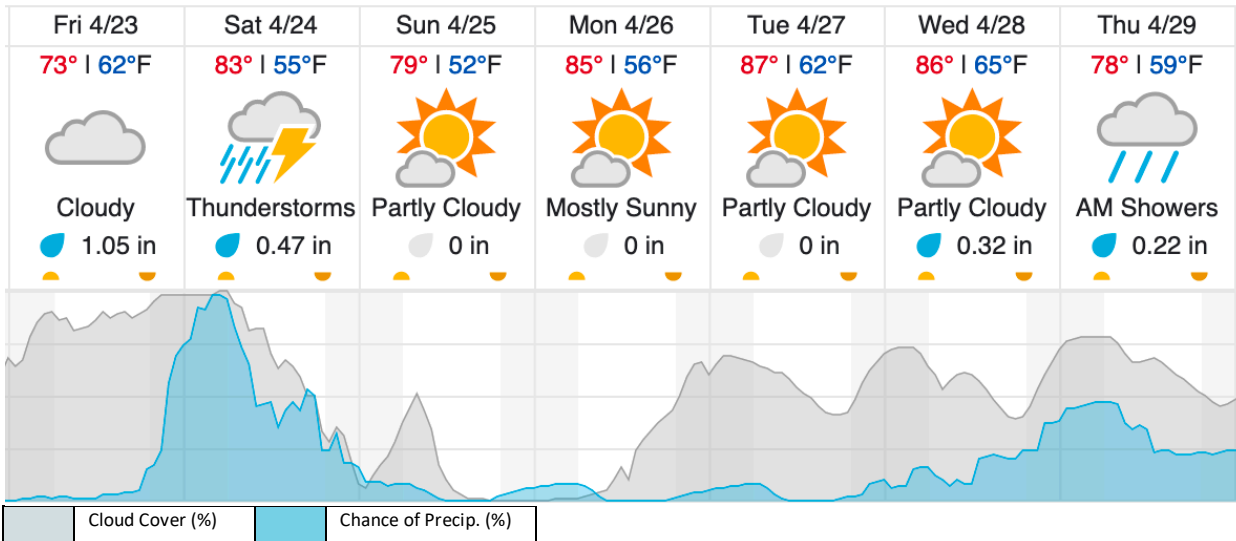
source: wunderground.com

Demopolis, AL (DELA)



source: wunderground.com

Coffeeville, AL (LENO)



source: wunderground.com

Flight Collection Plan for 22 April 2021

Flyority 1

Collection Area: Talladega National Forest (TALL)

Flight Plan Name: D08_TALL_C1_P1_v2_Q780

On-station Time: 1430 UTC / 0930 L

Flyority 2

Collection Area: Dead Lake (DELA) – Priority 1 Flight Box

Flight Plan Name: D08_DELA_R1_P1_v2_Q780

On-station Time: 1430 UTC / 0930 L

Flyority 3

Collection Area: Dead Lake (DELA) – Priority 2 Flight Box

Flight Plan Name: D08_DELA_R1_P2_v2_Q780

On-station Time: 1430 UTC / 0930 L

Flyority 4

Collection Area: Lenoir Landing (LENO)

Flight Plan Name: D08_LENO_R2_P1_v2_Q780

On-station Time: 1430 UTC / 0930 L

Flight Crew: Abe, Cam