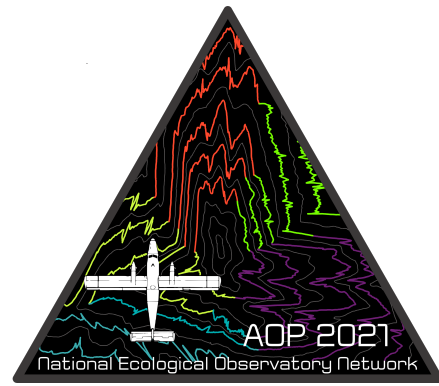




Payload 3 Daily Flight Report



Date: 2021-05-08

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: 0

Report Author: Cameron Chapman

Lidar Operators: Cameron Chapman

Spectrometer Operators: Abe Morrison

Pilots: Stephen Brawders, Vince Maarschalkerweerd

Flight Hours: 02:24

Hours until maintenance: 50.90

GPS Instruments: 03 - LENO, 09 - FBO_KTCL

Summary

We flew to LENO this morning and completed the remaining 7 flight lines under "red" cloud conditions. This concludes flight operations for D08. After the flight, we drove to DELA and TALL and recovered the GPS units and shipped them back to the PIF along with the other GPS accessory equipment. We have started prepping the aircraft for tomorrow's transit.

Concerns

- Pilot display timed out during yesterday flight. We will continue to monitor and troubleshoot as necessary.
- Thunderstorms and rain showers along the transit route will likely impact the transit tomorrow.

Comments

- TALL GPS and DELA GPS were recovered today and shipped back to the PIF.
- LENO GPS will be recovered on Tuesday by D08 staff and shipped back to the PIF.
- RAID 2021_P3C1_04 was shipped to the Denver Data Center
- MIDAS 1 disk from 20210713 flight was repaired by Andrew and the hotel kit is currently churning away at the data.
- Today's flight will be processed after completion of yesterday's flight.

Daily Coverage

Estimated Cloud Cover Key

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

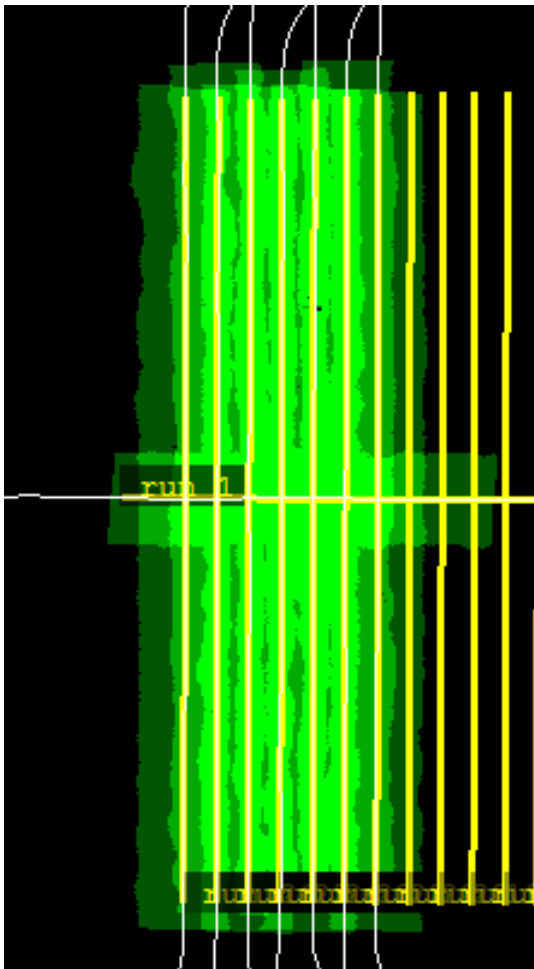
D08|LENO

Line #	20	21	22	23	24	25	26
Lidar	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓
Cloud Cover							

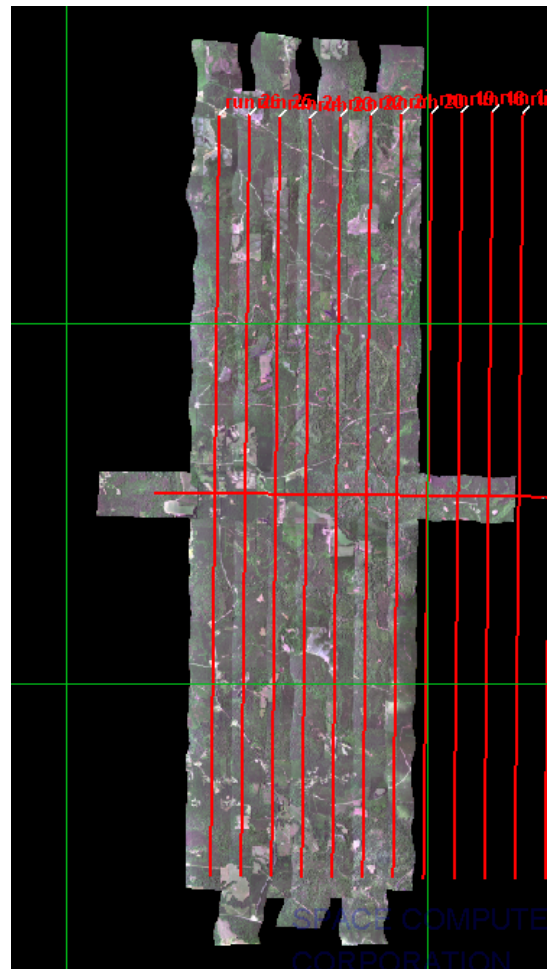
Total number of lines flown: 7

Flight Screenshots

Lidar Swath



NIS Geo Paint



Pictures



Abe Morrison assisting with GPS recovery at TALL

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	27	28	29	30	31	32	33	34	35						

Flown: 100% (35/35)

Green: 100% (35/35)

Yellow: 0% (0/35)

Red: 0% (0/35)

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: 100% (26/26)

Green: 65% (17/26)

Yellow: 8% (2/26)

Red: 27% (7/26)

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: 100% (26/26)

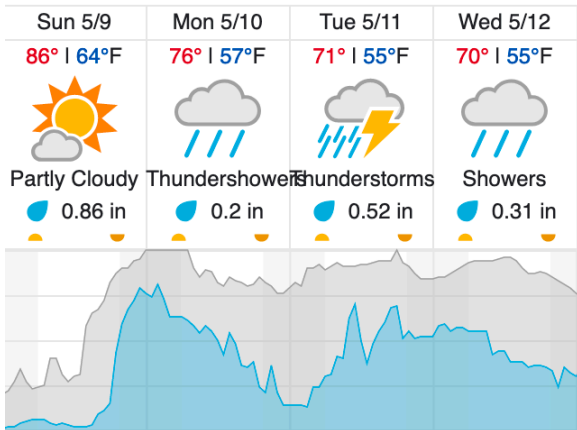
Green: 100% (26/26)

Yellow: 0% (0/26)

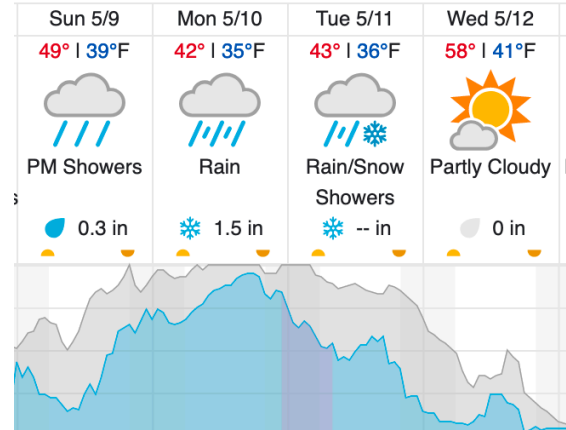
Red: 0% (0/26)

Weather Forecast

Tuscaloosa, AL



Boulder, CO



Cloud Cover (%)	Chance of Precip. (%)

source: wunderground.com

Flight Collection Plan for 09 May 2021

Begin Transit to PIF Boulder

Flight Crew: Cameron, Abe

Flight Collection Plan for 10 May 2021

Continue Transit to PIF Boulder

Flight Crew: Cameron, Abe