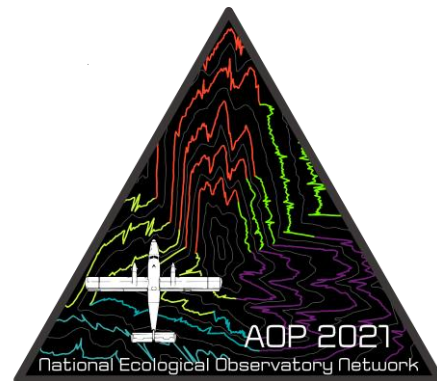




Payload 3 Daily Flight Report



Date: 2021-09-13

Flight Campaign ID: P3C1

Airport, FBO ID, City: Scottsdale Municipal Airport (KSDL) - Scottsdale, AZ

Aircraft: N615AR

Domain: Cottonwood AA Project

Sites Flown: CTWD_4, CTWD_5, CTWD_6

Days left in Domain: TBD

Report Author: Abe Morrison

Lidar Operators: Abe Morrison

Flight Hours: 03:05

Spectrometer Operators: Matt Devoe

Hours until maintenance: 19.85

Pilots: Scott Hayward, Will Mathews

GPS Instruments: 06 - KSDL

Summary

The crew took off into another clear sky this morning to collect the remaining lines in the Agua Fria loop of the Cottonwood AA project. The skies stayed clear long enough for us to collect 11 lines in "green" sky conditions. At the end of the flight, the crew attempted to re-collect the 2 lines that were collected in "yellow" sky conditions yesterday. Unfortunately, before we got back to the area of the lines, cumulus clouds started to develop making it the same conditions as yesterday. Those lines were not re-collected.

Concerns

None

Comments

-A TFR in the Boulder CO area tomorrow will not allow the crew to make the trip back home until Wednesday morning.

Daily Coverage

Estimated Cloud Cover Key

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

CTWD_4

Line #	1	2	3	4	5	6	7	8	9	10	11
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover											

Total number of lines flown: 11

CTWD_5

Line #	1	2	3	4
Lidar		✓	✓	✓
Spectrometer	✓	✓	✓	✓
Camera		✓	✓	✓
Cloud Cover				

Total number of lines flown: 4

CTWD_6

Line #	1	2	3	4
Lidar		✓	✓	✓
Spectrometer	✓	✓	✓	✓
Camera		✓	✓	✓
Cloud Cover				

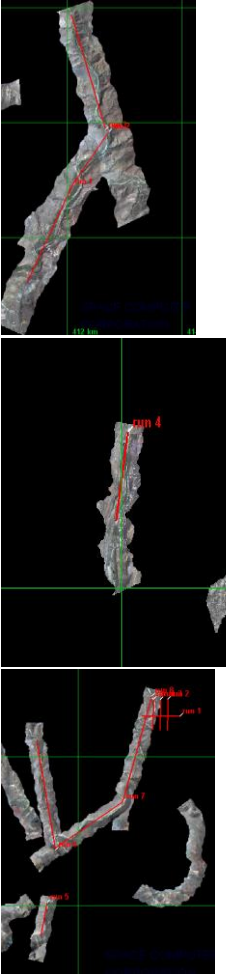
Total number of lines flown: 4

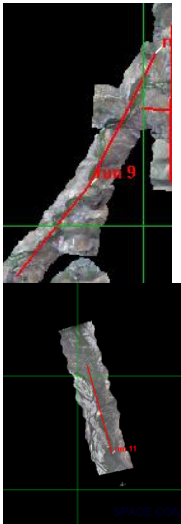
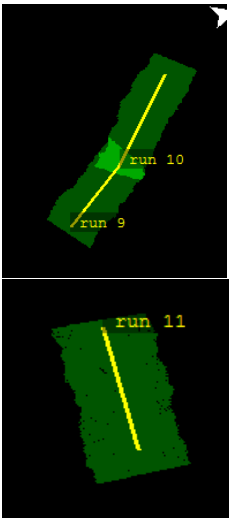
Flight Screenshots

Lidar

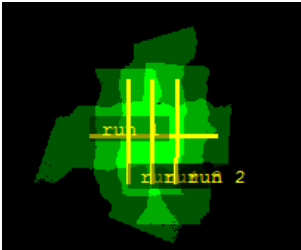
NIS

CTWD_4

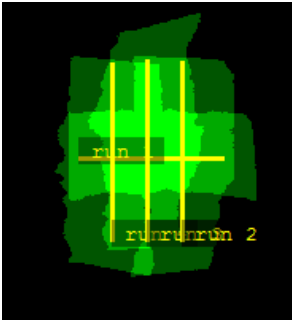




CTWD_5



CTWD_6



Cumulative Domain Coverage

CTWD_1

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

Flown: 100% (9/9)
 Green: 78% (7/9)
 Yellow: 22% (2/9)
 Red: 0% (0/9)

CTWD_2

1

Flown: 100% (1/1)
 Green: 100% (1/1)
 Yellow: 0% (0/1)
 Red: 0% (0/1)

CTWD_3

1	2	3	4
---	---	---	---

Flown: 100% (4/4)
Green: 100% (4/4)
Yellow: 0% (0/4)
Red: 0% (0/4)

CTWD_4

1	2	3	4	5	6	7	8	9	10	11
---	---	---	---	---	---	---	---	---	----	----

Flown: 100% (11/11)
Green: 100% (11/11)
Yellow: 0% (0/11)
Red: 0% (0/11)

CTWD_5

1	2	3	4
---	---	---	---

Flown: 100% (4/4)
Green: 100% (4/4)
Yellow: 0% (0/4)
Red: 0% (0/4)

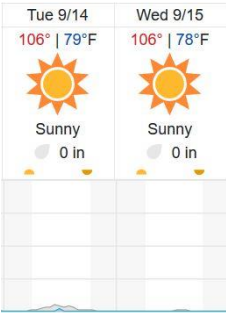
CTWD_6

1	2	3	4
---	---	---	---

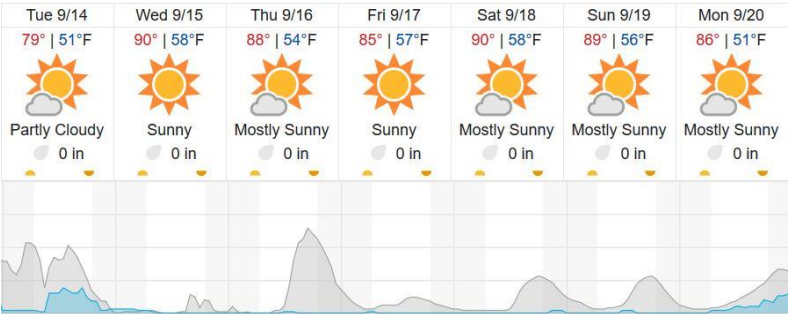
Flown: 100% (4/4)
Green: 100% (4/4)
Yellow: 0% (0/4)
Red: 0% (0/4)

Weather Forecast

Scottsdale, AZ



Boulder, CO



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

Flight Collection Plan for 14 September 2021

Finish with data extraction activities and load plane for departure on Wednesday.

Flight Collection Plan for 15 September 2021

Transit to Boulder, CO

Crew: Abe Morrison, Matt DeVoe