Date: 2021-06-04  
**Flight Campaign ID:** P3C1  
**Airport, FBO ID, City:** Boulder Municipal Airport (KBDU) - Boulder, CO  
**Aircraft:** N615AR  

**Domain:** 10 (Central Plains)  
**Sites Flown:** ARIK (Arikaree River ), STER (Sterling Agricultural Site )  
**Days left in Domain:** 5  

**Report Author:** Abe Morrison  
**Lidar Operators:** Abe Morrison  
**Spectrometer Operators:** Matt Devoe  
**Pilots:** Vibeke Gaard, Mark Solper  
**Ground Crew:** Nick Marusich  

**Flight Hours:** 02:54:00, 02:52:00, 01:37:00  
**Hours until maintenance:** 111.80  
**GPS Instruments:** 06 - ARIK, AOP_STER, AOP_KBDU  

**Summary**  
The crew departed the Boulder airport this morning under completely clear skies bound for the CPER site. Unfortunately just prior to arrival at the site, air traffic control advised that there were rockets being fired in the vicinity of our collection area. No collections were made at CPER and these rockets will continue to be launched, with some going as high as 30,000 feet, until Sunday evening. Attention was then turned to the STER site which was finished, after a fuel stop in Boulder, under green sky conditions. The crew continued on their grand journey to the ARIK site and was able to collect 6 lines before the solar angle and low fuel ended the collections for the day. One more fuel stop in Goodland KS and the crew returned to Boulder.

**Concerns**  
-Rocket launches will preclude any collection at the CPER site until Monday.

**Comments**  
-Maintenance will be performed on the Otter by TOIL on Tuesday.

**Pictures**

Blue sky morning in Boulder. Pic by Nick M.
Daily Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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D10|STER

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<th>Line #</th>
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<th>15</th>
<th>16</th>
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Total number of lines flown: 13

D10|ARIK

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Total number of lines flown: 6

Flight Screenshots

Lidar

STER

ARIK

NIS
Cumulative Domain Coverage

D10|ARIK (Arikaree River)

- Flown: 17% (6/35)
- Green: 17% (6/35)
- Yellow: 0% (0/35)
- Red: 0% (0/35)

D10|CPER (Central Plains Ecological Range)

- Flown: 75% (21/28)
- Green: 71% (20/28)
- Yellow: 4% (1/28)
- Red: 0% (0/28)

D10|STER (Sterling Agricultural Site)

- Flown: 100% (25/25)
- Green: 100% (25/25)
- Yellow: 0% (0/25)
- Red: 0% (0/25)

Weather Forecast

Boulder, CO

- Sat 6/5: Mostly Sunny, 87° | 59°F
- Sun 6/6: Isolated Thunderstorms, 87° | 60°F
- Mon 6/7: Partly Cloudy, 85° | 59°F
- Tue 6/8: Mostly Sunny, 87° | 60°F
- Wed 6/9: Mostly Sunny, 87° | 60°F

Nunn, CO (CPER)

- Sat 6/5: Party Cloudy, 89° | 60°F
- Sun 6/6: Party Cloudy, 87° | 58°F
- Mon 6/7: Party Cloudy, 87° | 58°F
- Tue 6/8: Mostly Sunny, 89° | 58°F
- Wed 6/9: Mostly Sunny, 89° | 58°F
Flight Collection Plan for June 5, 2021

Flyority 1
Collection Area: Central Plains Ecological Range (CPER)
Flight Plan Name: D10_CPER_C1_P1_v6_Q780
On-station Time: 1450 UTC / 0850 L

Flyority 2
Collection Area: Arikaree River (ARIK)
Flight Plan Name: D10_ARIK_A1_P2_v3_Q780
On-station Time: 1510 UTC / 0910 L

Flight Crew: Abe (Lidar), Matt (NIS), Nick (ground)