**Payload 3 Daily Flight Report**

**Date:** 2022-07-07  
**Flight Campaign ID:** P3C1  
**Airport, FBO ID, City:** Boulder Municipal Airport (KBDU) - Boulder, CO  
**Aircraft:** N70AR

Domain: 10 (Central Plains)  
Sites Flown: ARIK (Arikaree River)  
Days left in Domain: 20

**Report Author:** John  
**Lidar Operators:** John  
**Spectrometer Operators:** Matt  
**Pilots:** Magnus, Brent  
**Flight Hours:** 02:36  
**Hours until maintenance:** 25.32  
**GPS Instruments:** 03 - AOP Hangar

**Summary:** Collected Green lines over ARIK, but had to return to Boulder due to impending summer storm at Boulder.

**Concerns:** None

**Comments:** Poor cell reception does not allow the ARIK camera to be used, maybe forego deploying it next year. Using HK3 to extract today's flight.

**Daily Coverage**

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<th>Estimated Cloud Cover Key</th>
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| **Green:** 0-10% | **Yellow:** 11-50% | **Red:** >50%  

| D10|ARIK |  
|---|---|---|---|---|---|---|---|  
| Line # | 3 | 4 | 5 | 6 | 7 |  
| Lidar | ✓ | ✓ | ✓ | ✓ | ✓ |  
| Spectrometer | ✓ | ✓ | ✓ | ✓ | ✓ |  
| Camera | ✓ | ✓ | ✓ | ✓ | ✓ |  
| Cloud Cover | ✓ | ✓ | ✓ | ✓ | ✓ |  

Total number of lines flown: 5
Flight Screenshots

NIS screenshot  lidar screenshot

Cumulative Domain Coverage

D10|ARIK (Arikaree River)

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

D10|CTWD BOX ()

| 1 | 2 | 3 |

- Flown: 0% (0/3)
- Green: 0% (0/3)
- Yellow: 0% (0/3)
- Red: 0% (0/3)

D10|CTWD_LINES ()

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- Flown: 0% (0/21)
- Green: 0% (0/21)
- Yellow: 0% (0/21)
- Red: 0% (0/21)

D10|RMNP (Rocky Mountain National Park Priority 1)

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- Flown: 0% (0/39)
- Green: 0% (0/39)
- Yellow: 0% (0/39)
- Red: 0% (0/39)
Weather Forecast
Allenspark, CO (RMNP)

Joes, CO (ARIK)

Moab, UT

Flight Collection Plan for 8 July 2022
Flyority 1:
Collection Area: Canyonlands 800m Flight Box (CTWD_BOX)
Flight plan name: D13_CTWD_CnynInds_FB_800m_v1
On-Station Time: 1540 UTC / 0940 L

Crew: Matt (Lidar), John (NIS)