Date: 2020-07-29
Flight Campaign ID: P2C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 13 (Southern Rockies & Colorado Plateau)
Sites Flown: WLOU (West St. Louis Creek)
Days left in Domain: 13

Report Author: Ivana Vu
Lidar Operators: Ivana Vu
Flight Hours: 02:02
Spectrometer Operators: Michael Wussow
Hours until maintenance: 36.83
Pilots: Stephen Brawders, Chad Evans
GPS Instruments: 01 - WLOU, AOP_KBDU
Ground Crew: John Adler

Summary
Clouds developed early at NIWO this morning so we diverted to the WLOU aquatic site where it was still clear. The flight box was completed in mixed sky conditions and moderate turbulence.

Concerns
None

Comments
None

Daily Coverage
Estimated Cloud Cover Key

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<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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D13|WLOU

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Total number of lines flown: 15
Pictures
Views of Arapaho National Forest from WLOU site, including a herd of elk that Mike Wussow was able to spot
Cumulative Domain Coverage
D13 | NIWO (Niwot Ridge Mountain Research Station)

|   | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 29   | 30   | 31   | 32   | 33   | 34   | 35   | 36   | 37   | 38   | 39   | 40   |
| 2 | 41   | 42   | 43   | 44   | 45   | 46   | 47   | 48   | 49   | 50   | 51   | 52   |     |     |     |     |     |     |     |     |     |

Flown: 48% (25/52)
Green: 48% (25/52)
Yellow: 0% (0/52)
Red: 0% (0/52)

D13 | WLOU (West St. Louis Creek)

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Flown: 100% (14/14)
Green: 57% (8/14)
Yellow: 43% (6/14)
Red: 0% (0/14)

Weather Forecast
Nederland, CO (NIWO)
Fraser, CO (WLOU)

Flight Collection Plan for 30 July 2020
Flyority 1
Collection Area: Niwot Ridge Mountain Research Station (NIWO), Lines 2-28
Flight Plan Name: D13_NIWO_C1_P1_v4.pln
On-station Time: 0940 – 1640 Local / 1540 – 2240 UTC

Flyority 2
Collection Area: West St Louis Creek (WLOU), Lines 10-14 if conditions are “green”
Flight Plan Name: D13_WLOU_A1_P1_v1.pln
On-station Time: 0940 – 1640 Local / 1540 – 2240 UTC
Crew Members: Mike (Lidar), Ivana (NIS), John (Ground)

Flight Collection Plan for 31 July 2020
Flyority: Same as Previous Day
Crew Members: Robb (Lidar), Ivana (NIS), John (Ground)