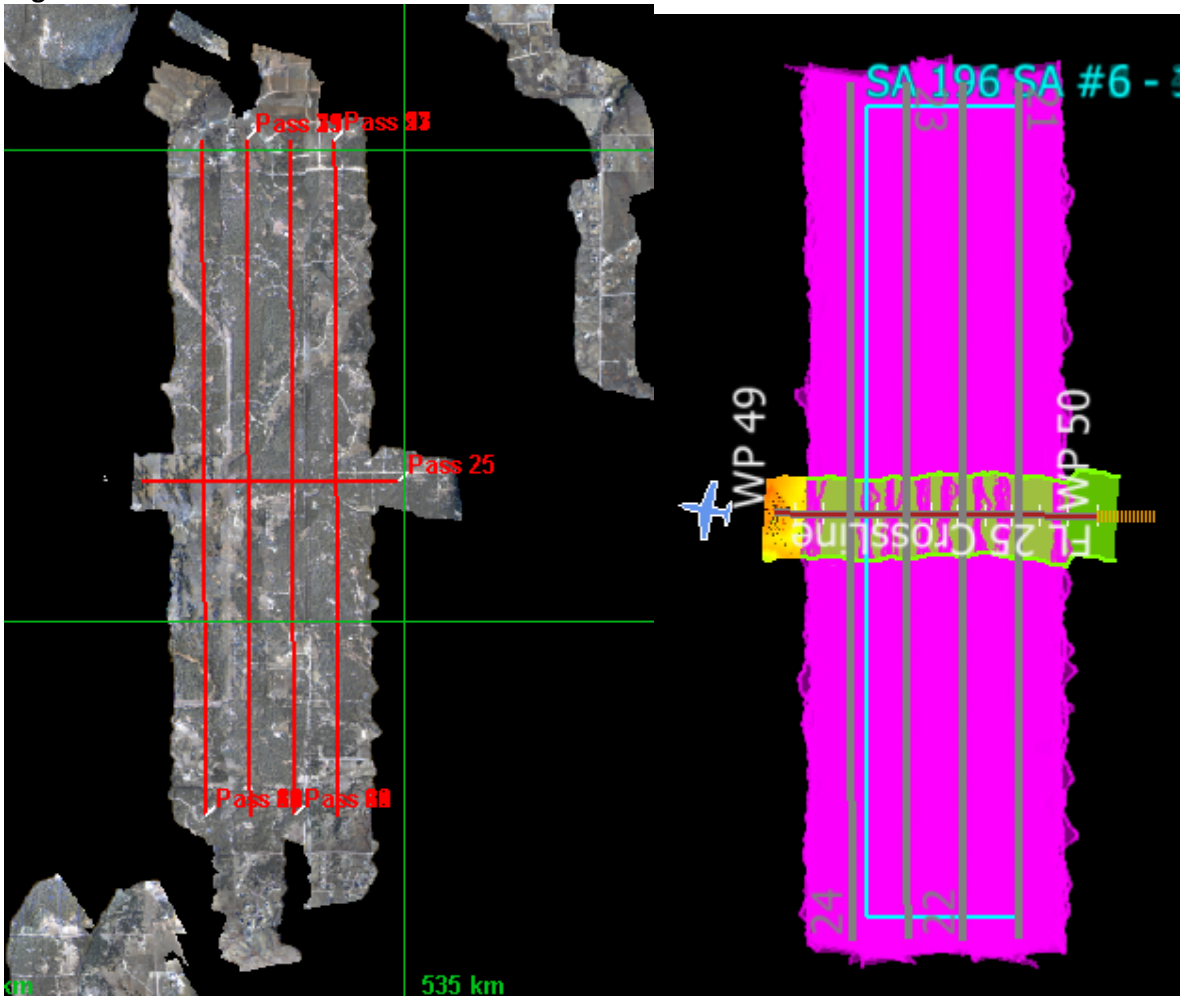




Line #	19	20	21	22	23	24	25
Lidar	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓
Cloud Cover							

Total number of lines flown: 25

**Flight Screenshots**



**Cumulative Domain Coverage**

D00|B10F (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 550m - Galaxy)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

Flown: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

D00|BLKF (Black Forest Waveform Range Test - Galaxy)

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
----	----	----	----	----

Flown: 100% (21/25)  
 Green: 0% (0/25)  
 Yellow: 100% (25/25)  
 Red: 0% (0/25)

D00|D10C (Boulder City Eye Safety Test)

1	2
---	---

Flown: 100% (2/2)  
 Green: 0% (0/2)  
 Yellow: 100% (2/2)  
 Red: 0% (0/2)

D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

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

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

D00|N10F (Nominal Runway at KBDU - Galaxy)

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	36	37			

Flown: 100% (37/37)  
 Green: 59% (22/37)  
 Yellow: 41% (15/37)  
 Red: 0% (0/37)

D00|O10C (NIS Offset - Galaxy)

1	2	1	2	1	2	1	2	1	2
---	---	---	---	---	---	---	---	---	---

Flown: 100% (2/2)  
 Green: 100% (2/2)  
 Yellow: 0% (0/2)  
 Red: 0% (0/2)

D00|R10E (Table Mountain Radiometric Calibration - Galaxy)

1	2	3	4	5
---	---	---	---	---

Flown: 100% (5/5)  
 Green: 100% (5/5)  
 Yellow: 0% (0/5)  
 Red: 0% (0/5)

D00|W10D (Wiggle Timing Test - Galaxy)

1	2
---	---

Flown: 100% (2/2)  
 Green: 100% (2/2)  
 Yellow: 0% (0/2)  
 Red: 0% (0/2)

Photos



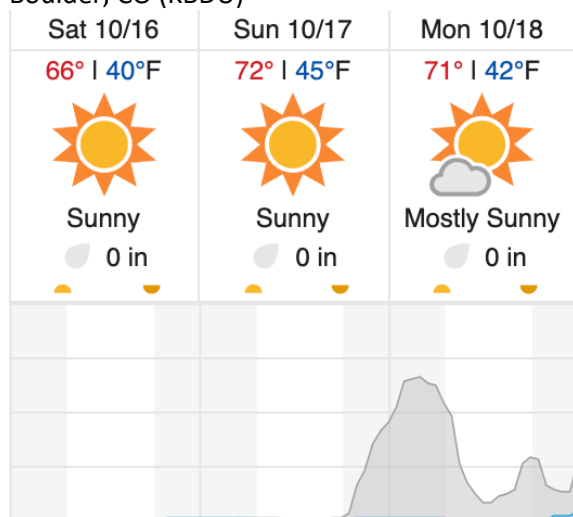
Early morning flight operations out of Boulder.



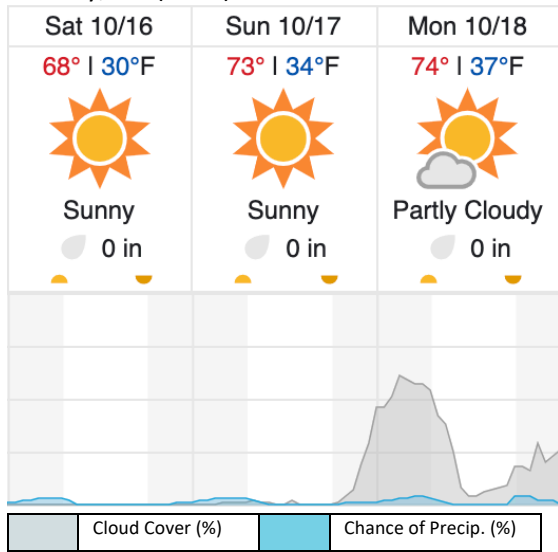


### Weather Forecast

Boulder, CO (KBDU)



Greeley, CO (B10F)



source: wunderground.com

**Flight Collection Plan for 16 October 2021**

Flyority 1

Collection Area: Boresight Calibration – Greeley, CO

Flight Plan Name: D10\_B10F\_Boresight\_Geocal\_v8\_PRM

On-station Time: 16:20 UTC / 10:20 L

Crew: Abe (Lidar), John (NIS), Cam (Ground)