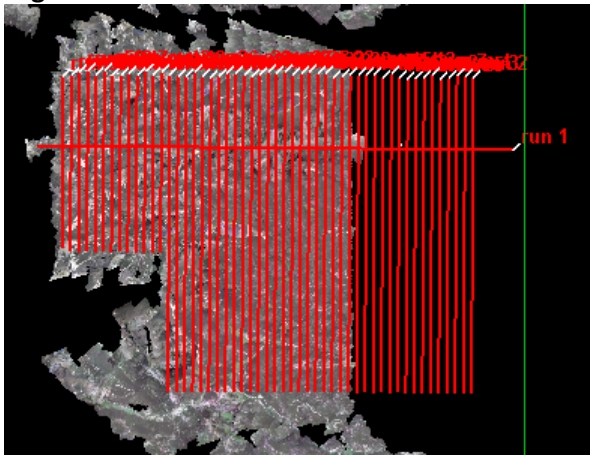




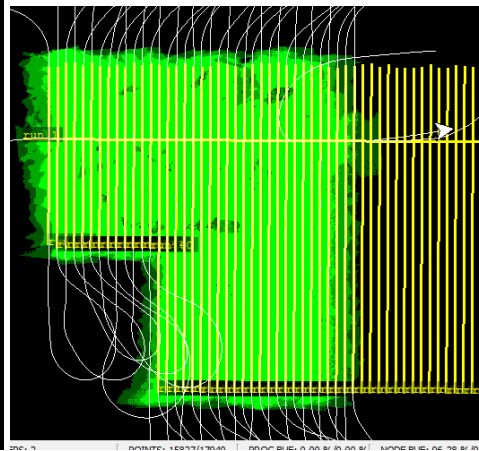
| Line #       | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Lidar        | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Spectrometer | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Camera       | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Cloud Cover  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

Total number of lines flown: 35

### Flight Screenshots



NIS



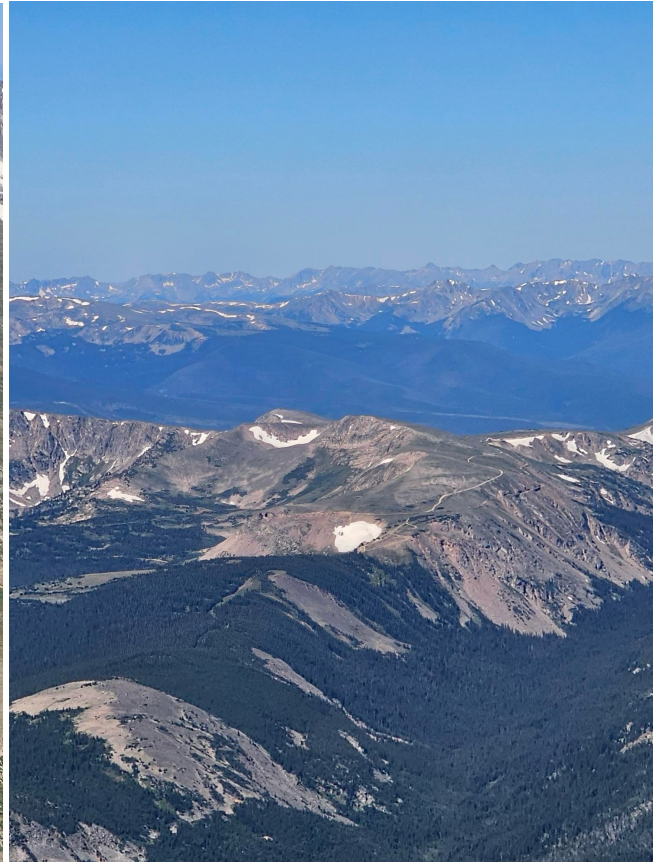
Lidar

### Pictures

#### NIWO Tower Site



#### Rollins Pass



## Cumulative Domain Coverage

### D13 | NIWO (Niwot Ridge Mountain Research Station)

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 | 38 | 39 | 40 | 41 |
| 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |    |    |    |    |    |    |    |    |    |

Flown: 76% (39/51)

Green: 73% (37/51)

Yellow: 0% (0/51)

Red: 4% (2/51)

### D13 | WLOU (West St. Louis Creek)

|   |   |   |   |   |   |   |   |    |    |    |    |    |
|---|---|---|---|---|---|---|---|----|----|----|----|----|
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|----|----|----|----|----|

Flown: 0% (0/13)

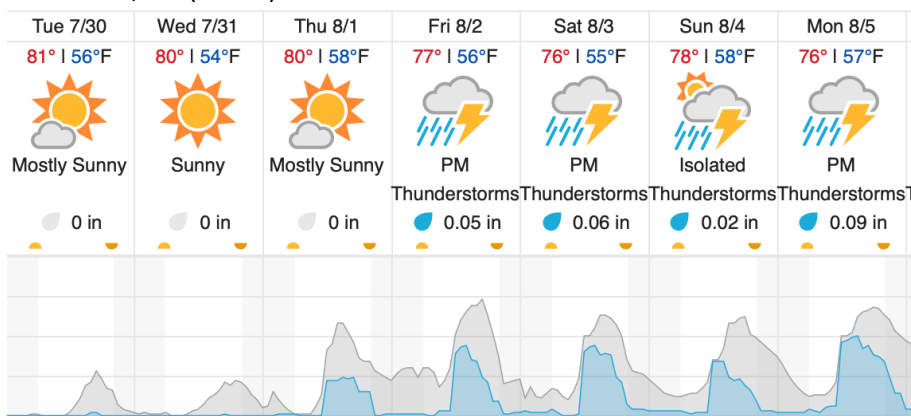
Green: 0% (0/13)

Yellow: 0% (0/13)

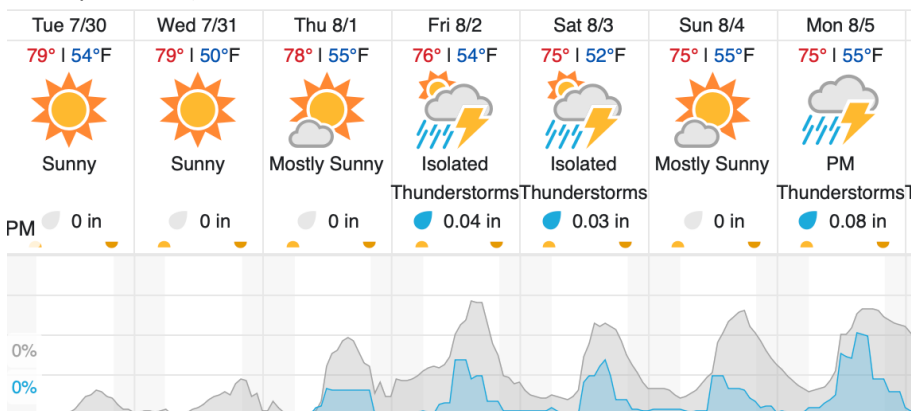
Red: 0% (0/13)

## Weather Forecast

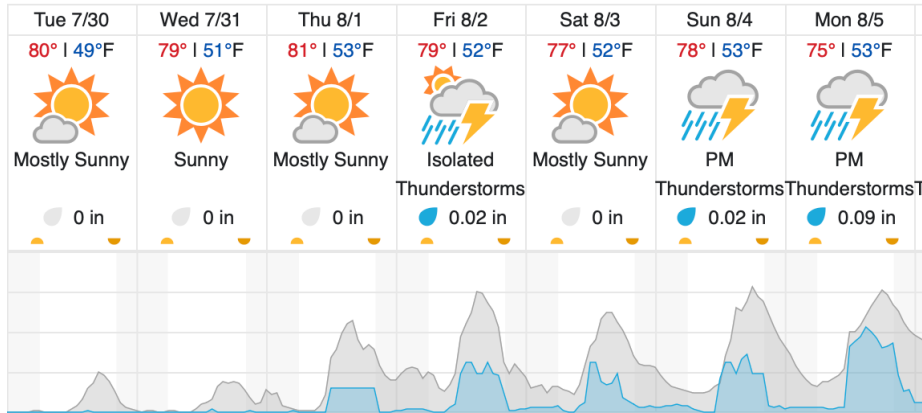
### Nederland, CO (NIWO)



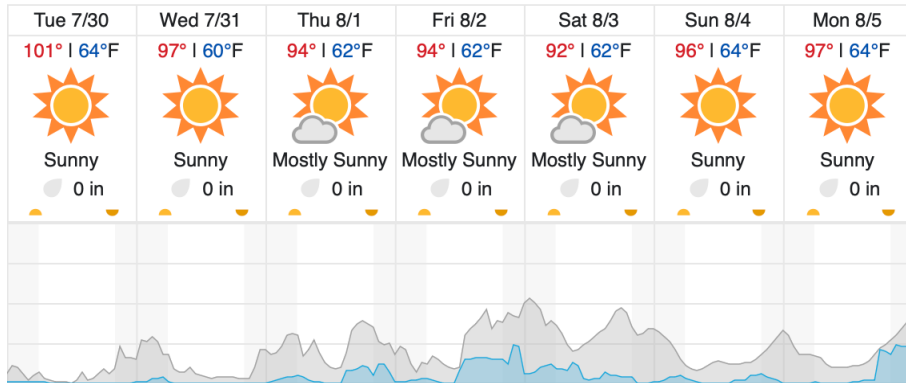
### Allenspark, CO (RMNP)



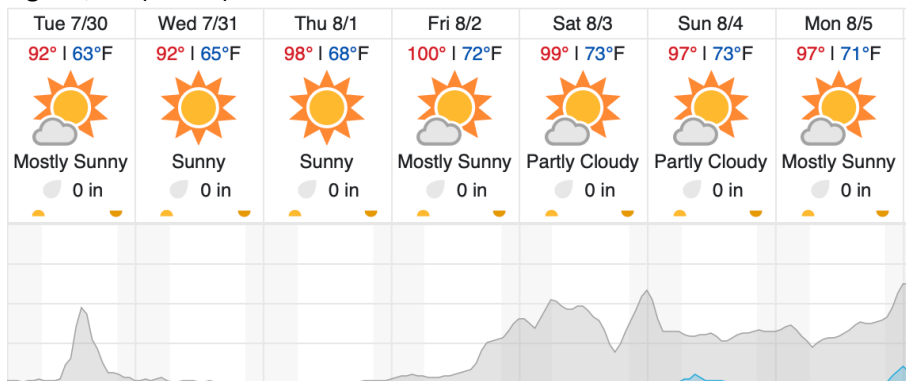
Fraser, CO (WLOU Allenspark, CO (RMNP))



Joes, CO (ARIK)



Ogden, UT (CTWD)



|                 |                       |
|-----------------|-----------------------|
| Cloud Cover (%) | Chance of Precip. (%) |
|-----------------|-----------------------|

source: wunderground.com

**Flight Collection Plan for July 30, 2024**

Flyority 1

Collection Area: Niwot Ridge Mountain Research Station

Flight Plan Name: D13\_NIWO\_C1\_P1\_v5\_Q780

On-station Time: 1530 UTC / 0930 L

Flyority 2

Collection Area: Rocky Mountain National Park (RMNP)

Flight Plan Name: D10\_RMNP\_R2\_P1\_v4\_Q780

On-station Time: 1530 UTC / 0930 L

Flyority 3

Collection Area: West St. Louis Creek (WLOU)

Flight Plan Name: D13\_WLOU\_A1\_P1\_v2\_Q780

On-station Time: 1540 UTC / 0940 L

Flyority 4

Collection Area: Arikaree River (ARIK) – Priority 1 & 2 Flight Box

Flight Plan Name: D10\_ARIK\_A1\_P2\_v3\_Q780

On-station Time: 1520 UTC / 0920 L

Flyority 5

Collection Area: Northern Utah Priority 1 Flight Plan

Flight Plan Name: D15\_CTWD\_S1\_P1\_v1

On-station Time: 1520 UTC / 0920 L

Flyority 6

Collection Area: Northern Utah Priority 2 Flight Plan

Flight Plan Name: D15\_CTWD\_S1\_P2\_v1

On-station Time: 1520 UTC / 0920 L

Crew: Nick (Lidar), Matt (NIS)