



## Payload 3 Daily Flight Report



**Date:** 2025-09-13

**Flight Campaign ID:** P3C1

**Airport, FBO ID, City:** Tucson International Airport (KTUS) - Tucson, AZ

**Aircraft:** N821AR

**Domain:** 14 (Desert Southwest)

**Sites Flown:** None

**Days left in Domain:** 3

**Report Author:** Mitch

**Lidar Operators:** Mitch

**Flight Hours:** 00:00

**Spectrometer Operators:** Matt

**Hours until maintenance:** 61.08

**Pilots:** Vince, Greg

### Summary

The flight crew remained grounded today due to persistent low cloud cover over the Santa Rita Mountains, which never lifted high enough to permit even a red collect to occur.

### Concerns

None

### Comments

The transit back to Boulder is being delayed to allow for an additional SRER collect to occur on Tuesday. Departure from Tucson will now occur either late on Tuesday or Wednesday morning.

### Cumulative Domain Coverage

D14|JORN\_P1 (Jornada Priority 1)

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 |    |    |    |    |    |    |

Flown: 91% (31/34)

Green: 79% (27/34)

Yellow: 12% (4/34)

Red: 0% (0/34)

\* Flown within 35deg solar angle

D14|JORN\_P2 (Jornada Priority 2)

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

Flown: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

\* Flown within 35deg solar angle

D14|SRER\_P1 (Santa Rita Experimental Range Priority 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 | 38 | 39 | 40 |    |

Flown: 100% (39/39)

Green: 100% (39/39)

Yellow: 0% (0/39)  
Red: 0% (0/39)  
\* Flown within 35deg solar angle

D14|SRER\_P2 (Santa Rita Experimental Range Priority 2)

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 |
| 62 | 63 | 64 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

Flown: 9% (2/23)  
Green: 4% (1/23)  
Yellow: 4% (1/23)  
Red: 0% (0/23)  
\* Flown within 35deg solar angle

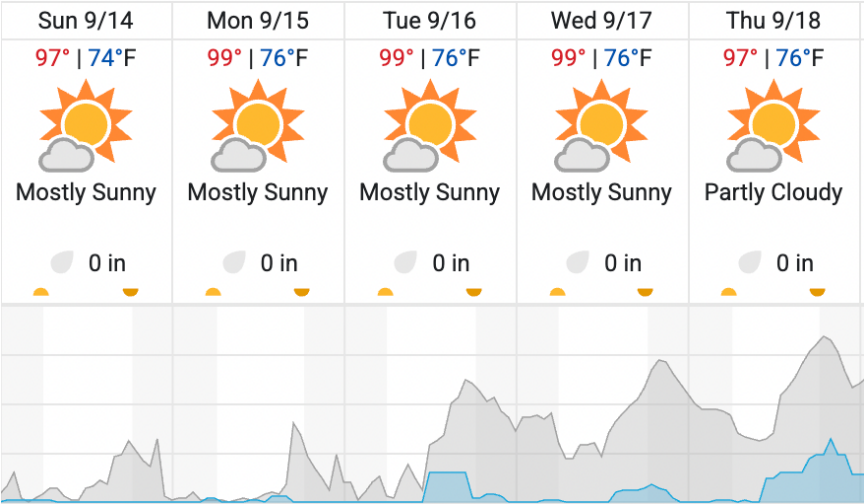
D14|SRER\_P3 (Santa Rita Experimental Range Priority 3 )

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 |
| 86 | 87 | 88 | 89 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

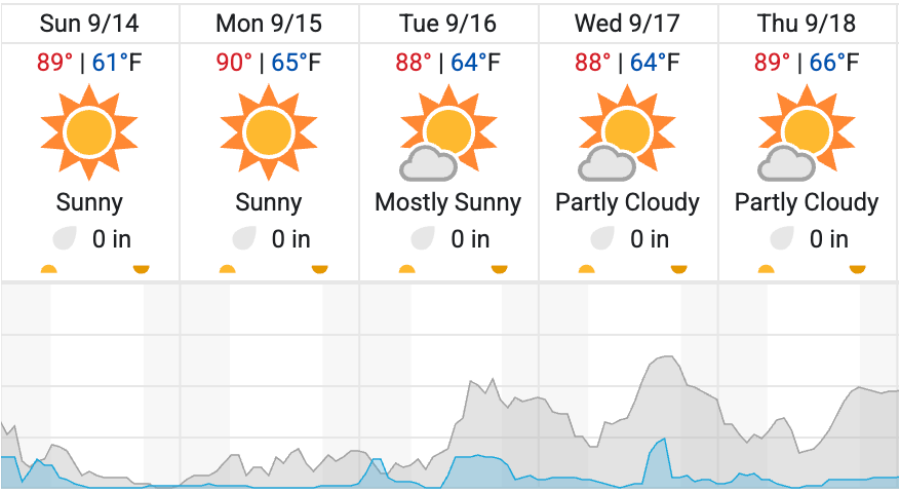
Flown: 0% (0/25)  
Green: 0% (0/25)  
Yellow: 0% (0/25)  
Red: 0% (0/25)  
\* Flown within 35deg solar angle

Weather Forecast

Tucson, AZ (SRER)



Hatch, NM (JORN)



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

source: wunderground.com

## Flight Collection Plan for 14 September 2025

### Flyority 1

Collection Area: Santa Rita Experimental Range (SRER) P2

Flight Plan Name: D14\_SRER\_C1\_P2\_v8\_Q780

On-Station Time: 1630 UTC / 0930 L

### Flyority 2

Collection Area: Santa Rita Experimental Range (SRER) P3

Flight Plan Name: D14\_SRER\_C1\_P3\_v8\_Q780

On-Station Time: 1630 UTC / 0930 L

### Flyority 3

Collection Area: Jornada (JORN) – Priority 2A Flight Box

Flight Plan Name: D14\_JORN\_R1\_P2\_v4\_Q780

On-Station Time: 1550 UTC / 0850 MST \*35 degree

**Crew:** Mitch (Lidar), Matt (NIS)