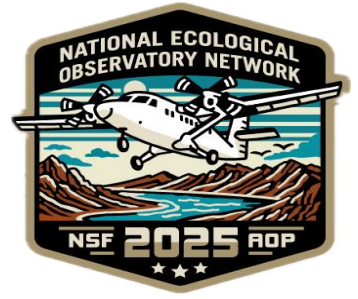




Payload 3 Daily Flight Report



Date: 2025-09-01

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: 14

Report Author: Elissa

Lidar Operators: Elissa

Flight Hours: 00:00

Spectrometer Operators: Cameron **Hours until maintenance:** 71.07

Pilots: Jeff, Mac

Summary

Cirrus clouded both sites this morning, and heavy stratus and cumulus developed in the afternoon. No flights were conducted.

Concerns

None.

Comments

Matt traveled home today. Thanks for the hard work in the field!

Cumulative Domain Coverage

Estimated Cloud Cover Key

| | | |
|--------|---------|------|
| Green: | Yellow: | Red: |
| 0-10% | 11-50% | >50% |

Solar Angle Less Than 40 degrees: (*)

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: 0% (0/34)

Green: 0% (0/34)

Yellow: 0% (0/34)

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: 56% (22/39)
Green: 56% (22/39)
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: 0% (0/23)
Green: 0% (0/23)
Yellow: 0% (0/23)
Red: 0% (0/23)
* Flown within 35deg solar angle

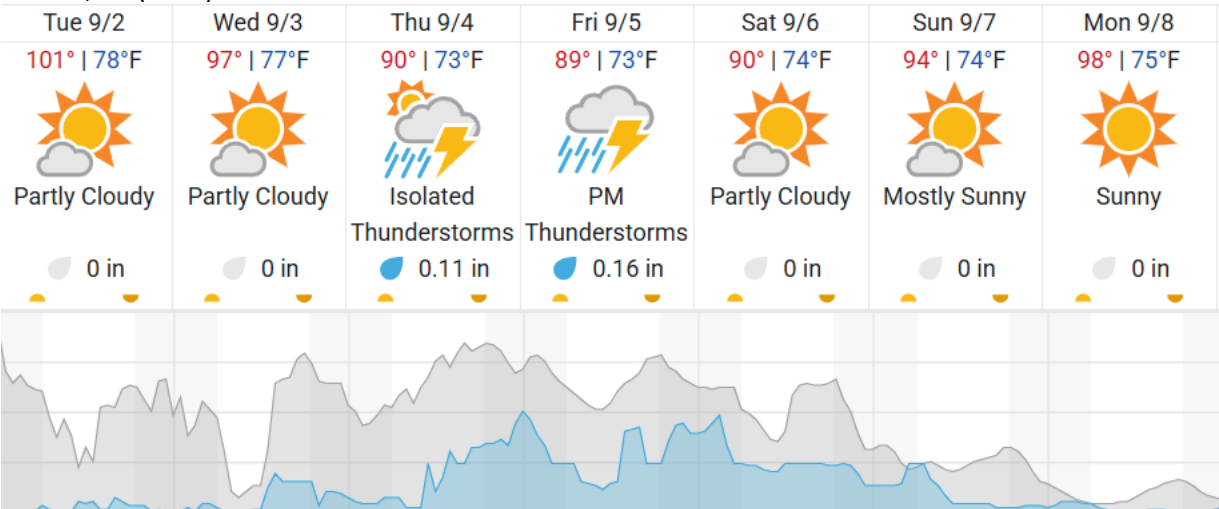
D14|SRER_P3 (Santa Rita Experimental Range Priority 3)

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

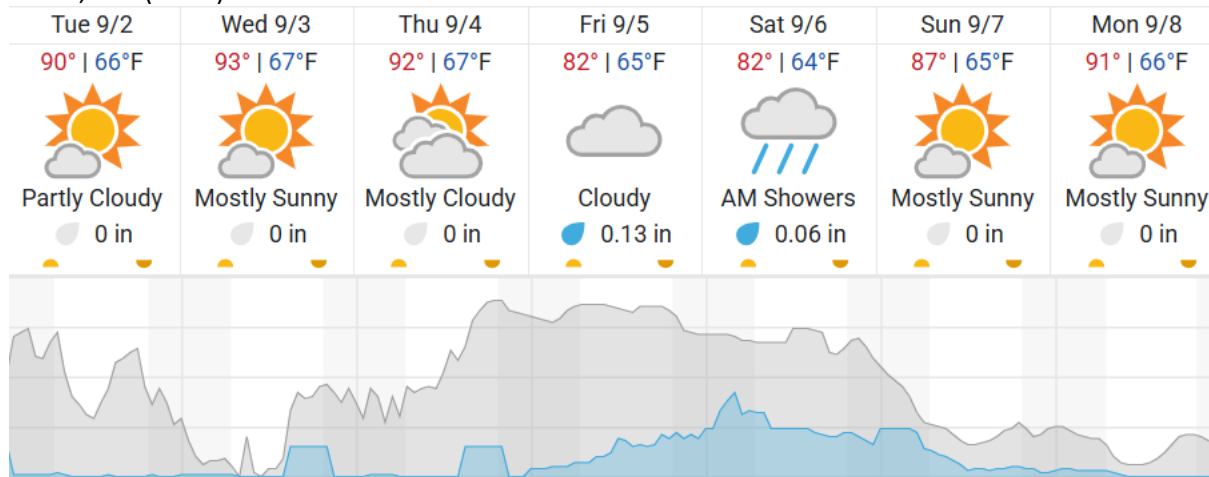
Flown: 0% (0/25)
Green: 0% (0/25)
Yellow: 0% (0/25)
Red: 0% (0/25)
* Flown within 35deg solar angle

Weather Forecast

Tucson, AZ (SRER)



Hatch, NM (JORN)



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

source: wunderground.com

Flight Collection Plan for 2 September 2025

Flyority 1

Collection Area: Santa Rita Experimental Range (SRER) P1

Flight Plan Name: D14_SRER_C1_P1_v8_Q780

On-Station Time: 1620 UTC / 0920 L

Flyority 2

Collection Area: Santa Rita Experimental Range (SRER) P2

Flight Plan Name: D14_SRER_C1_P2_v8_Q780

On-Station Time: 1620 UTC / 0920 L

Flyority 3

Collection Area: Santa Rita Experimental Range (SRER) P3

Flight Plan Name: D14_SRER_C1_P3_v8_Q780

On-Station Time: 1620 UTC / 0920 L

Flyority 4

Collection Area: Jornada (JORN) – Priority 1 Flight Box

Flight Plan Name: D14_JORN_R1_P1_v4_Q780

On-Station Time: 1540 UTC / 0820 L *35 degree

Flyority 5

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

Flight Plan Name: D14_JORN_R1_P2_v4_Q780

On-Station Time: 1540 UTC / 0820 L *35 degree

Crew: Cameron (Lidar), Elissa (NIS)