



## Payload 3 Daily Flight Report



**Date:** 2024-09-01

**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:** 5

**Report Author:** Mitch

**Lidar Operators:** Mitch

**Flight Hours:** 00:00

**Spectrometer Operators:** Cameron

**Hours until maintenance:** 73.60

**Pilots:** Vince, Manning

### Summary

Today looked to be the last day in a monsoonal stretch. The crew was greeted this morning to a higher strato-cirrus layer above Tucson and a thinner cumulus layer over the Santa Ritas, which eventually built into much thicker cumulonimbus clouds, event threatening precipitation is isolated locations. No flights occurred. A dryer pattern looks to move into place tomorrow, hopefully leading to less cloud coverage over the next few days.

### Concerns

None

### Comments

None

### Cumulative Domain Coverage

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: 0% (0/39)

Green: 0% (0/39)

Yellow: 0% (0/39)

Red: 0% (0/39)

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)

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															

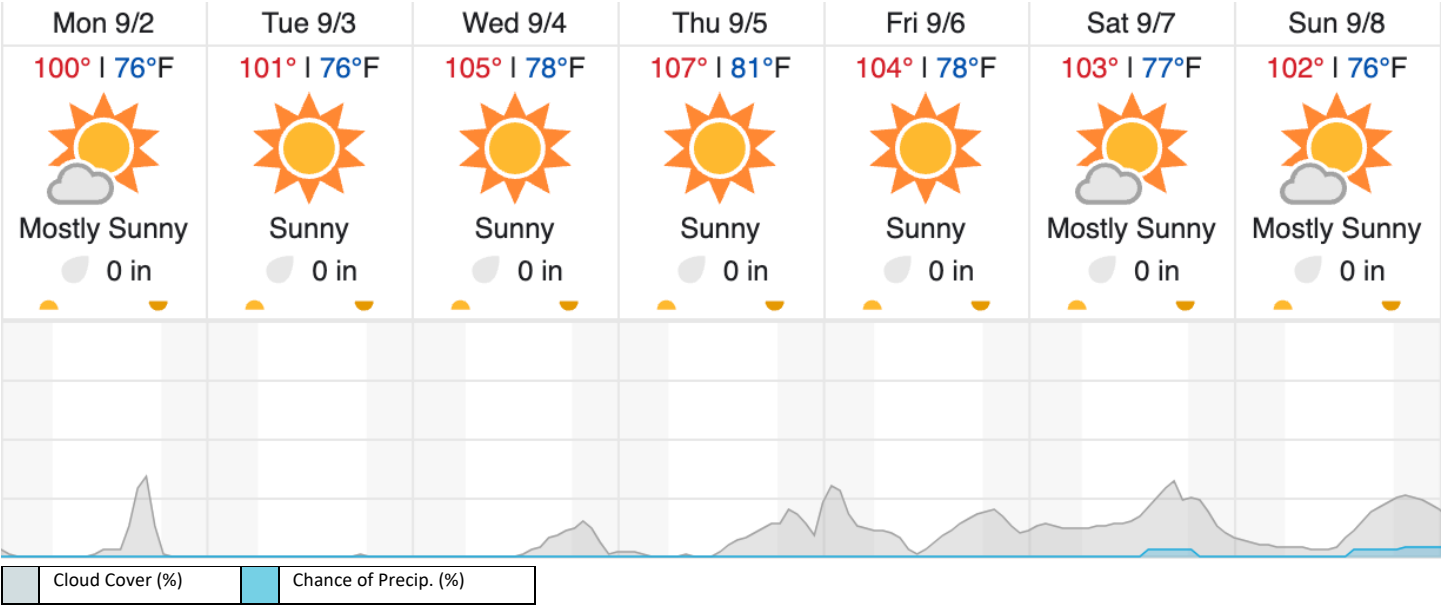
Flown: 0% (0/25)

Green: 0% (0/25)

Yellow: 0% (0/25)  
Red: 0% (0/25)

Weather Forecast

Tucson, AZ



source: wunderground.com

Flight Collection Plan for 02 September 2024

Flyority 1

Collection Area: Santa Rita Experimental Range (SRER) – Priority 1 Box

Flight Plan Name: D14\_SRER\_C1\_P1\_v4\_Q780

40° On-station Time: 16:20 UTC / 09:20 MST

Flyority 3

Collection Area: Santa Rita Experimental Range (SRER) – Priority 2 Box

Flight Plan Name: D14\_SRER\_C1\_P2\_v5\_Q780

40° On-station Time: 16:20 UTC / 09:20 MST

Flyority 4

Collection Area: Santa Rita Experimental Range (SRER) – Priority 3 Box

Flight Plan Name: D14\_SRER\_C1\_P3\_v5\_Q780

40° On-station Time: 16:20 UTC / 09:20 MST

Crew: Cam (Lidar), Mitch (NIS)