



Payload 3 Daily Flight Report



Date: 2026-09-06

Flight Campaign ID: P3C1

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

Aircraft: N537AR

Domain: 14 (Desert Southwest)

Sites Flown: None.

Days left in Domain: 8

Report Author: John

Lidar Operators: John

Flight Hours: 00:00

Spectrometer Operators: Nick

Hours until maintenance: 105.12

Pilots: Jeff, Landon

Summary

Cloudy conditions over both D14 areas kept us from flying today.

Concerns

Yesterday's extraction failed due to a MIDAS1 read error. We are looking into fixes.

Comments

Thank you Alyssa for your work the past week! Welcome Nick!

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														

Flown: 0% (0/26)

Green: 0% (0/26)

Yellow: 0% (0/26)

Red: 0% (0/26)

* 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
55																			

Flown: 90% (19/21)

Green: 0% (0/21)

Yellow: 67% (14/21)

Red: 24% (5/21)

* Flown within 35deg solar angle

D14|SRER_P1 (Santa Rita Experimental Range Priority 1, Lines 3-28 on Payload #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: 67% (26/39)

Green: 67% (26/39)

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: 100% (25/25)

Green: 0% (0/25)

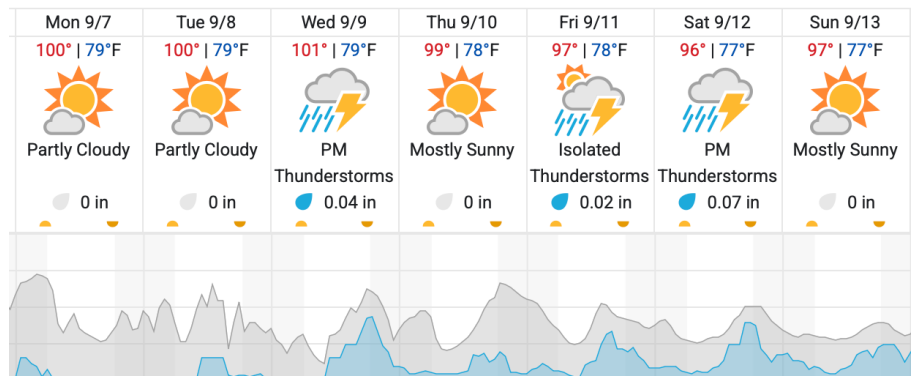
Yellow: 0% (0/25)

Red: 100% (25/25)

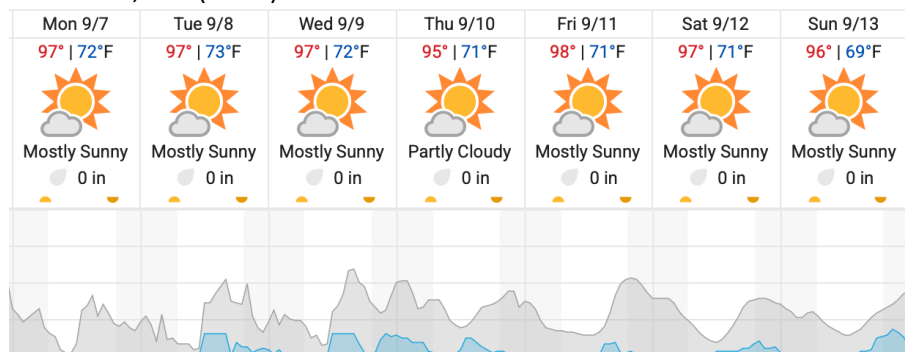
* Flown within 35deg solar angle

Weather Forecast

Tucson, AZ (SRER)



Las Cruces, NM (JORN)



Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 7 September 2026

Flyority 1

Site: Santa Rita Experimental Range (SRER) – Priority 1 Flight Box – *lines 29-40*

Flight Plan Name: D14_SRER_C1_P1_P2_P3_v7_PRM.xml

Solar Angle Time: 9:10L/16:10UTC

Flyority 2

Site: Santa Rita Experimental Range (SRER) – Priority 2 Flight Box

Flight Plan Name: D14_SRER_C1_P1_P2_P3_v7_PRM.xml

Solar Angle Time: 9:10L/16:10UTC

Flyority 3

Site: Jornada (JORN) – Priority 1 Flight Box

Flight Plan Name: D14_JORN_C1_P1_P2_v5_PRM.xml

Solar Angle Time: 09:30L/15:30UTC

Flyority 4

Site: Jornada (JORN) – Priority 2 Flight Box – *only if green*

Flight Plan Name: D14_JORN_C1_P1_P2_v5/v6_PRM.xml

Solar Angle Time: 09:30L/15:30UTC

Flyority 5

Site: Santa Rita Experimental Range (SRER) – Priority 1 Flight Box – *lines 2-28*

Flight Plan Name: D14_SRER_C1_P1_P2_P3_v7_PRM.xml

Solar Angle Time: 9:10L/16:10UTC

Flyority 6

Site: Santa Rita Experimental Range (SRER) – Priority 3 Flight Box – *only if green*

Flight Plan Name: D14_SRER_C1_P1_P2_P3_v7_PRM.xml

Solar Angle Time: 9:10L/16:10UTC

Crew: Nick (Lidar), John (NIS)