



Payload 3 Daily Flight Report



Date: 2026-09-13

Flight Campaign ID: P3C1

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

Aircraft: N537AR

Domain: 14 (Desert Southwest)

Sites Flown: SRER_P1 (Santa Rita Experimental Range Priority 1)

Days left in Domain: 1

Report Author: John

Lidar Operators: John

Spectrometer Operators: Mitch

Pilots: Jeff, Landon

Flight Hours: 00:48

Hours until maintenance: 86.02

GPS Instruments: AOP_SRER, C-PIMA

Summary

High cirrus kept today's collections in Yellow conditions. Collected missing line in the SRER P1 box, and did a full cross strip.

Concerns

None.

Comments

NIS is holding at 10-6 pressure.

Daily Coverage

Estimated Cloud Cover Key

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

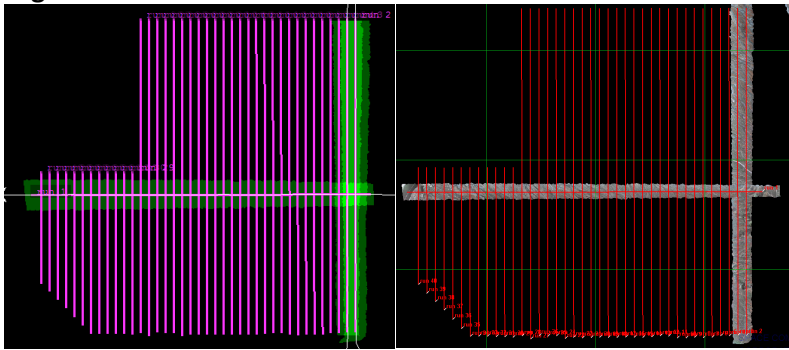
Solar Angle Less Than 40 degrees: (*)

D14|SRER_P1

Line #	2	3
Lidar	✓	✓
Spectrometer	✓	✓
Camera	✓	✓
Cloud Cover		

Total number of lines flown: 2

Flight Screenshots



lidar screenshot

NIS screenshot

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: 100% (26/26)

Green: 77% (20/26)

Yellow: 23% (6/26)

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: 100% (21/21)

Green: 0% (0/21)

Yellow: 67% (14/21)

Red: 33% (7/21)

* 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: 36% (14/39)

Green: 0% (0/39)

Yellow: 5% (2/39)

Red: 31% (12/39)

* 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: 100% (23/23)

Green: 0% (0/23)

Yellow: 0% (0/23)

Red: 100% (23/23)

* Flown within 35deg solar angle

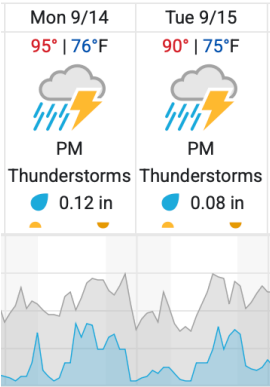
D14|SRER_P3 (Santa Rita Experimental Range Priority 3)

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															

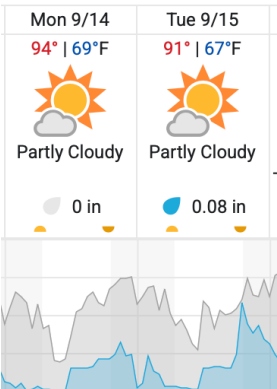
Flown: 100% (25/25)
Green: 0% (0/25)
Yellow: 0% (0/25)
Red: 100% (25/25)
* Flown within 35deg solar angle

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 September 14, 2026

Flyority 1

Greening up flight lines at SRER or JORN.

Crew: Mitch (Lidar), John (NIS)