



Payload 3 Daily Flight Report



Date: 2026-09-11

Flight Campaign ID: P3C1

Airport, FBO ID, City: Tucson International Airport (KTUS) - Tucson, AZ; Las Cruces (KLRU) - Las Cruces, NM

Aircraft: N537AR

Domain: 14 (Desert Southwest)

Sites Flown: JORN_P1 (Jornada Priority 1)

Days left in Domain: 3

Report Author: John

Lidar Operators: John

Spectrometer Operators: Mitch

Pilots: Jeff, Landon

Flight Hours: 04:11:00, 01:29:00

Hours until maintenance: 88.12

GPS Instruments: AOP_JORN, C-NMSU, C-PIMA

Summary

Collected 20 JORN Priority 1 lines in Green conditions before the clouds began to move in.

Concerns

None.

Comments

None.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

D14|JORN_P1

Line #	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Total number of lines flown: 20

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, 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: 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)

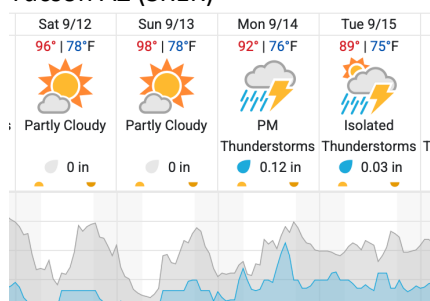
Yellow: 0% (0/25)

Red: 100% (25/25)

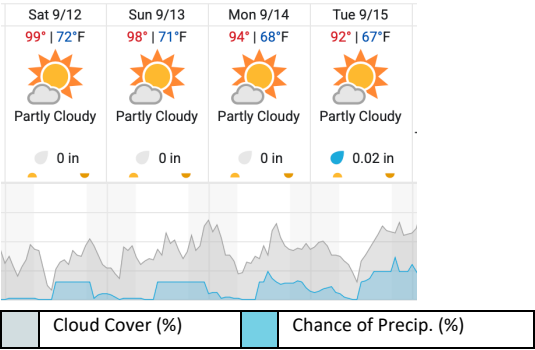
* Flown within 35deg solar angle

Weather Forecast

Tucson AZ (SRER)



Las Cruces NM (JORN)



source: wunderground.com

Flight Collection Plan for September 12, 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: 9:30L/16:30UTC

Flyority 2

Greening up other flight lines at SRER and JORN.

Crew: Mitch (Lidar), John (NIS)