



Payload 3 Daily Flight Report



Date: 2026-09-09

Flight Campaign ID: P3C1

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

Aircraft: N537AR

Domain: 14 (Desert Southwest)

Sites Flown: SRER_P2 (Santa Rita Experimental Range Priority 2), SRER_P3 (Santa Rita Experimental Range Priority 3)

Days left in Domain: 5

Report Author: John

Lidar Operators: John

Spectrometer Operators: Mitch

Pilots: Jeff, Landon

Flight Hours: 03:30

Hours until maintenance: 93.78

GPS Instruments: AOP_SRER, C-PIMA

Summary

Completed the cross-strip for SRER P-3, followed by completing SRER P-2 under non-green conditions.

Concerns

The hotel kit is having some problems booting and reading the lidar MIDAS disc.

Comments

Mitch joined the crew, and Nick transited back to Boulder. Thanks for the work on the long mission flights!

Possible Domain tour of the Twin Otter tomorrow.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

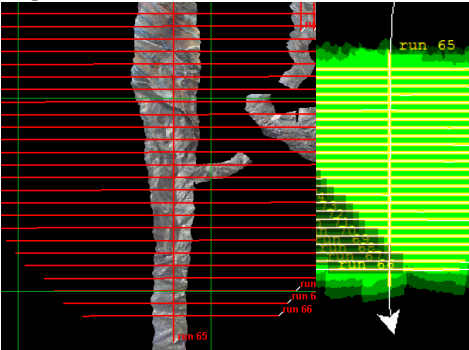
D14|SRER_P2

Line #	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

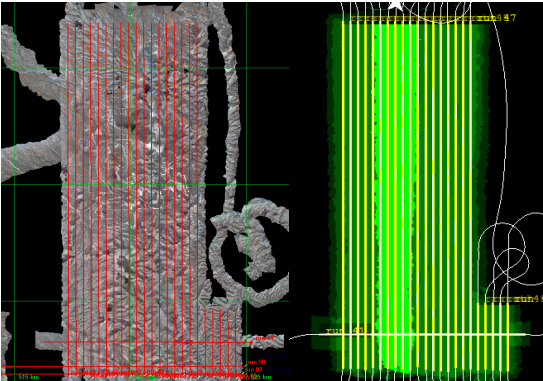
Line #	62	63	64
Lidar	✓	✓	✓
Spectrometer	✓	✓	✓
Camera	✓	✓	✓
Cloud Cover			

Total number of lines flown: 23

Flight Screenshots



NIS P3 cross strip lidar P3 cross strip



NIS P2 flight lines lidar P2 flight lines

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: 0% (0/26)
Yellow: 42% (11/26)
Red: 58% (15/26)
* 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)

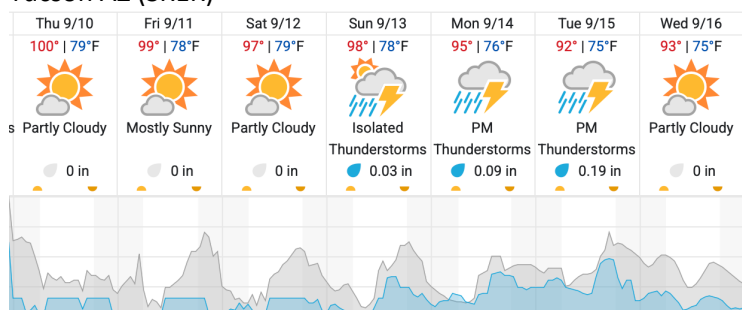
Yellow: 0% (0/25)

Red: 100% (25/25)

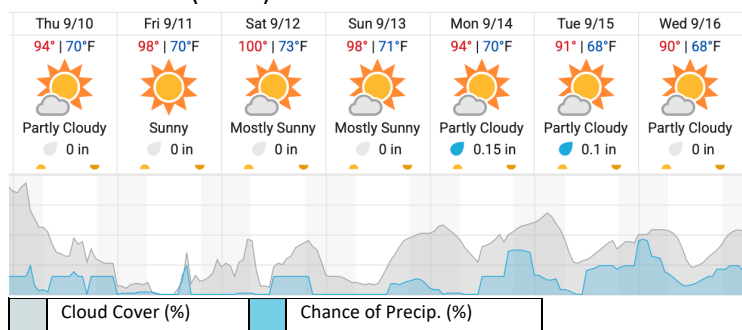
* Flown within 35deg solar angle

Weather Forecast

Tucson AZ (SRER)



Las Cruces NM (JORN)



source: wunderground.com

Flight Collection Plan for September 9, 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: John (Lidar), Mitch (NIS)