



Payload 1 Daily Flight Report



Date: 2026-08-20

Flight Campaign ID: P1C1

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

Aircraft: N537AR

Domain: 14 (Desert Southwest)

Sites Flown: None

Days left in Domain: 11

Report Author: John

Lidar Operators: John

Flight Hours: 00:00

Spectrometer Operators: Elissa

Hours until maintenance: 116.68

Pilots: Troy, Jonathan

Summary: Last night there was a major storm system in Tucson, resulting in at least 4 different power cutoffs at the FBO. This morning we pumped down the chamber and began cooling the NIS back to operational status. It should be ready by this evening. The weather conditions in the morning were not green, but it did get better in the late morning, and then shifted back to cloudy in the afternoon.

Concerns: None.

Comments: Received GPS equipment for SYCA. Cameron fixed the P1 Database!

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

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: 0% (0/21)
Green: 0% (0/21)
Yellow: 0% (0/21)
Red: 0% (0/21)
* 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: 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															

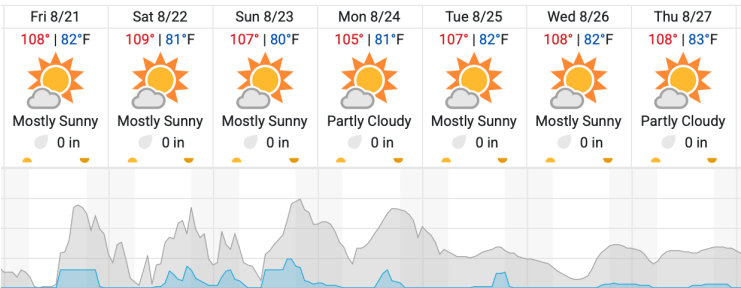
Flown: 0% (0/25)
Green: 0% (0/25)
Yellow: 0% (0/25)
Red: 0% (0/25)
* Flown within 35deg solar angle

D14|SYCA ()

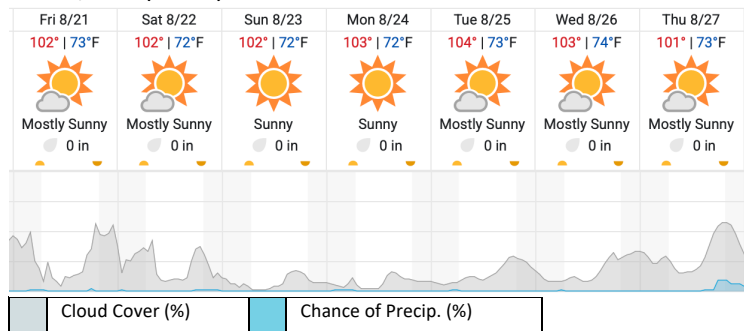
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62																		

Flown: 0% (0/62)
Green: 0% (0/62)
Yellow: 0% (0/62)
Red: 0% (0/62)
* Flown within 35deg solar angle

Weather Forecast: Tucson, AZ (SRER)



Hatch, NM (JORN)



source: wunderground.com

Flight Collection Plan for 21 August 2026

Flyority 1

Site: Santa Rita Experimental Range (SRER) – Priority 1 Flight Box

Flight Plan Name: D14_SRER_C1_P1_P2_P3_v7_PRM.xml

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

Flyority 3

Site: Santa Rita Experimental Range (SRER) – Priority 3 Flight Box

Flight Plan Name: D14_SRER_C1_P1_P2_P3_v7_PRM.xml

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

Flyority 4

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 5

Site: Jornada (JORN) – Priority 2 Flight Box

Flight Plan Name: D14_JORN_C1_P1_P2_v5/v6_PRM.xml

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

Crew: Elissa (Lidar), John (NIS)