

# Payload 1 Daily Flight Report



Date: 2022-08-27

Flight Campaign ID: P1C1

Airport, FBO ID, City: Tucson International Airport - Tucson, AZ

Aircraft: N331AR

**Domain**: 14 (Desert Southwest)

Sites Flown: None Days left in Domain: 15

Report Author: Elissa

**Lidar Operators**: Elissa **Flight Hours**: 00:00

Spectrometer Operators: Mitch Hours until maintenance: 48.27

Pilots: Vince, Jeremy

## Summary

Today we finished pumping and cooling the spectrometer and re-activated the getter. The payload is ready for collections starting tomorrow, weather permitting.

#### **Concerns**

GPS\_04 was set up today between the Millionair and Executive hangars. One terminal of the short antenna connector cable inside the GPS pelican case broke during transit. There is currently a tenuous connection and the unit is logging satellites, but the cable will need to be replaced as soon as possible. A replacement is already on its way from Boulder – thanks Matt.

## **Comments**

None.

## **Cumulative Domain Coverage**

# **Estimated Cloud Cover Key**

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

## D14|JORN P1 (Jornada Priority 1)

			1			- /	<i>'</i>												
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)

# 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)

# D14 | N14A (D14 Nominal Runway)

1

Flown: 0% (0/1) Green: 0% (0/1) Yellow: 0% (0/1) Red: 0% (0/1)

# D14|SRER P1 (Santa Rita Experimental Range 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	27	28	29	30	31	32	33	34	35	36	37	38	39	40

Flown: 0% (0/40) Green: 0% (0/40) Yellow: 0% (0/40) Red: 0% (0/40)

## D14|SRER P2 (Santa Rita Experimental Range Priority 2)

-				١																
	41	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% (0/24) Green: 0% (0/24) Yellow: 0% (0/24) Red: 0% (0/24)

## D14|SRER\_P3 (Santa Rita Experimental Range Priority 3)

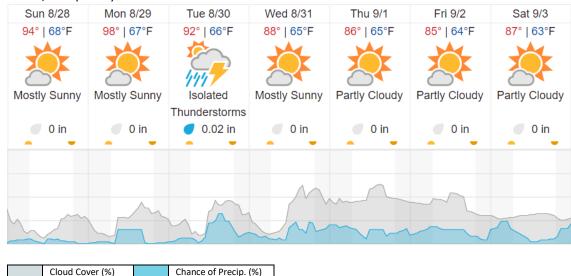
			•																
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90														

Flown: 0% (0/26) Green: 0% (0/26) Yellow: 0% (0/26) Red: 0% (0/26)

## **Weather Forecast**

Tucson, AZ (Fl	BO & SRER)					
Sun 8/28	Mon 8/29	Tue 8/30	Wed 8/31	Thu 9/1	Fri 9/2	Sat 9/3
97°   75°F	99°   76°F	102°   77°F	100°   76°F	98°   75°F	99°   75°F	99°   75°F
Mostly Sunny	Sunny	Mostly Sunny	Sunny	Mostly Sunny	Mostly Sunny	Mostly Sunny
0 in	0 in	0 in	0 in	0 in	0 in	0 in
		•				

## Hatch, NM (JORN)



source: wunderground.com

# Flight Collection Plan for 28 August 2022

Flyority 1

Collection Area: Jornada (JORN) - Priority 1 Flight Box- Priority 1 Box

Flight Plan Name: D14\_JORN\_R1\_P1\_v5\_PRM.xml 35° On-station Time: 15:40 UTC / 09:40 MDT / 8:40 MST

Flyority 2

Collection Area: Santa Rita Experimental Range (SRER) – Priority 1 Box

Flight Plan Name: D14\_SRER\_C1\_P1\_v6\_PRM.xml 40° On-station Time: 16:20 UTC / 09:20 MST

Flyority 3

Collection Area: Santa Rita Experimental Range (SRER) – Priority 2 Box

Flight Plan Name: D14\_SRER\_C1\_P1\_v6\_PRM.xml 40° On-station Time: 16:20 UTC / 09:20 MST

Flyority 4

Collection Area: Santa Rita Experimental Range (SRER) - Priority 3 Box

Flight Plan Name: D14\_SRER\_C1\_P1\_v6\_PRM.xml 40° On-station Time: 16:20 UTC / 09:20 MST

Flyority 5

Collection Area: Jornada (JORN) – Priority 2 Flight Box Flight Plan Name: D14\_JORN\_R1\_P1\_v5\_PRM.xml 35° On-station Time: 15:40 UTC / 09:40 MDT / 8:40 MST

Flyority 6

Collection Area: Nominal Runway - D14

Flight Plan Name: D14\_N14A\_Nominal\_Runway\_Test\_v1\_PRM

On-station Time: N/A

Crew: Mitch and Elissa