

# Payload 1 Daily Flight Report



Date: 2022-09-01 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: 10

Report Author: MitchFlight Hours: 00:00Lidar Operators: MitchFlight Hours: 00:00Spectrometer Operators: ElissaHours until maintenance: 41.27Pilots: Vince, StevenFlight Hours: 00:00

#### Summary

Clouds had already started forming at our sites prior to hitting solar angle. No flights were conducted. Crew focused on getting caught up on data extraction.

#### Concerns

From what we've seen over the first few flights of D14, there are concerns about the larger than normal quantities of data being collected during flights, mainly due to the higher PRF waveform data. Should we run out of space on the D:Drive of Hotel Kit 1, a contingency plan has been made to ship Hotel Kit 4 to Tucson. HK4 is now standing by at the hangar, ready to ship, should the crew request it.

#### Comments

- RAID 2022\_P1C1\_15 was shipped to the Denver Data Center today
- Abe arrived in D14 this afternoon, Mitch departs tomorrow

#### **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: 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	r: 0%	(0/21	)																
Red:	0% (0,	/21)																	

D14 | N14A (D14 Nominal Runway)

#### 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: 100% (40/40)																			

Green: 98% (39/40) Yellow: 2% (1/40) Red: 0% (0/40)

#### D14|SRER\_P2 (Santa Rita Experimental Range Priority 2)

	-	_			· ·	-			-	/	'								
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	<i>ı</i> : 0%	(0/24	)																
Red: 0% (0/24)																			
D14/SDED_D2/Conte Dite Superimental Dance Drivity 2)																			

## 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	<i>ı</i> : 0%	(0/26)	)																
Red:	0% (0,	/26)																	

#### Weather Forecast

Tucson, AZ (FBO\_KTUS, SRER)

_((100) 0(12)()					
Sat 9/3	Sun 9/4	Mon 9/5	Tue 9/6	Wed 9/7	Thu 9/8
101°   75°F	100°   74°F	102°   75°F	100°   74°F	97°   74°F	97°   73°F
Partly Cloudy	Sunny	Sunny	Sunny	Partly Cloudy	Partly Cloudy
0 in	🛛 0 in	0 in	🛛 0 in	0 in	🥑 0.13 in
M	$\wedge$				
		M	L		
	Sat 9/3	Sat 9/3Sun 9/4101° I 75°F100° I 74°FPartly CloudySunny	Sat 9/3 Sun 9/4 Mon 9/5   101° I 75°F 100° I 74°F 102° I 75°F   Partly Cloudy Sunny Sunny	Sat 9/3 Sun 9/4 Mon 9/5 Tue 9/6   101° I 75°F 100° I 74°F 102° I 75°F 100° I 74°F   Partly Cloudy Sunny Sunny Sunny	Sat 9/3 Sun 9/4 Mon 9/5 Tue 9/6 Wed 9/7   101° I 75°F 100° I 74°F 102° I 75°F 100° I 74°F 97° I 74°F   Partly Cloudy Sunny Sunny Sunny Partly Cloudy Partly Cloudy

#### Hatch, NM (JORN)

Fri 9/2	Sat 9/3	Sun 9/4	Mon 9/5	Tue 9/6	Wed 9/7	Thu 9/8
92°   65°F	91°   63°F	90°   63°F	90°   63°F	89°   64°F	85°   65°F	<mark>86°</mark> I 66°F
Partly Cloudy	Partly Cloudy	Sunny	Sunny	Sunny	Partly Cloudy	Partly Cloudy
0 in	0 in	0 in	0 in	0 in	0 in	0 in
• •		• •	• •	• •	• •	• •
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	mp					
		m		a		

Cloud Cover (%) Chance of Precip. (%) source: wunderground.com

## Flight Collection Plan for 2 September 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 2 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 3 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: 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 5 Collection Area: Nominal Runway – D14 Flight Plan Name: D14\_N14A\_Nominal\_Runway\_Test\_v1\_PRM On-station Time: N/A

Crew: Elissa, Abe