



Payload 3 Daily Flight Report



Date: 2024-08-29

Flight Campaign ID: P3C1

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

Aircraft: N821AR

Domain: 14 (Desert Southwest)

Sites Flown: None

Days left in Domain: 08

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 00:00

Spectrometer Operators: Mitch

Hours until maintenance: 73.60

Pilots: Vince, Manning

Summary

Low and high-level cloud cover developed over the Santa Rita Experimental Range during the early morning hours and gradually increased throughout the day. Due to these unfavorable atmospheric conditions, no flight was conducted.

Concerns

- A brief power outage affected the hangar facility this afternoon. However, the crew was on-site and able to address the issue promptly, minimizing any disruption to operations.

Comments

- We hosted a tour this afternoon, welcoming faculty from the University of Arizona and members from NEONs D14 field crew. We extend our sincere gratitude to all participants for their attendance!
- GPS 3 was deployed at the FBO this afternoon.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

Line #

Flight Screenshots: None

Pictures



TOP: UA faculty and NEONs D14 field crew pose for a picture in front of the twin otter with AOP operators.
Bottom: GPS deployed at the FBO.



Cumulative Domain Coverage

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: 0% (0/39)

Green: 0% (0/39)

Yellow: 0% (0/39)

Red: 0% (0/39)

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)

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)

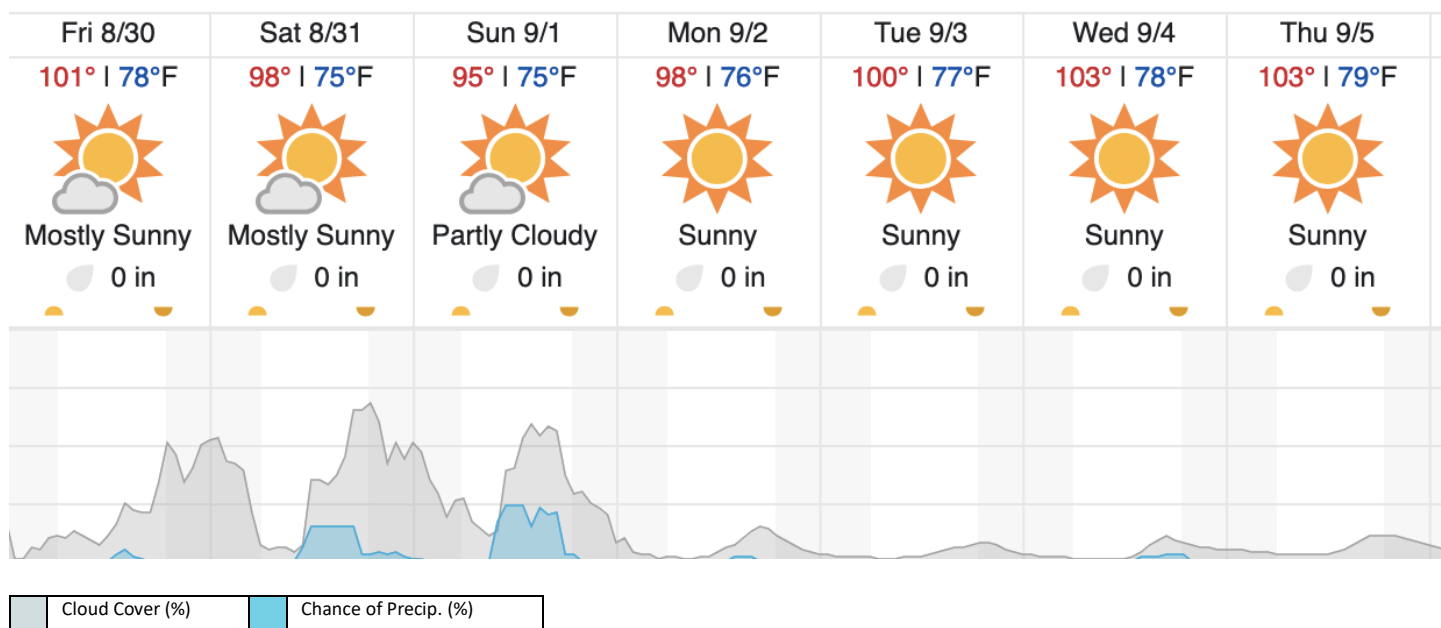
Green: 0% (0/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

Weather Forecast

Tucson, AZ (KTUS, SRER)



source: wunderground.com

Flight Collection Plan for 30 August 2022

Priority 1

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

Flight Plan Name: D14_SRER_C1_P1_v4_Q780

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_P2_v5_Q780

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_P3_v5_Q780

40° On-station Time: 16:20 UTC / 09:20 MST

Crew: Mitch (Lidar), Cam (NIS)