



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	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															

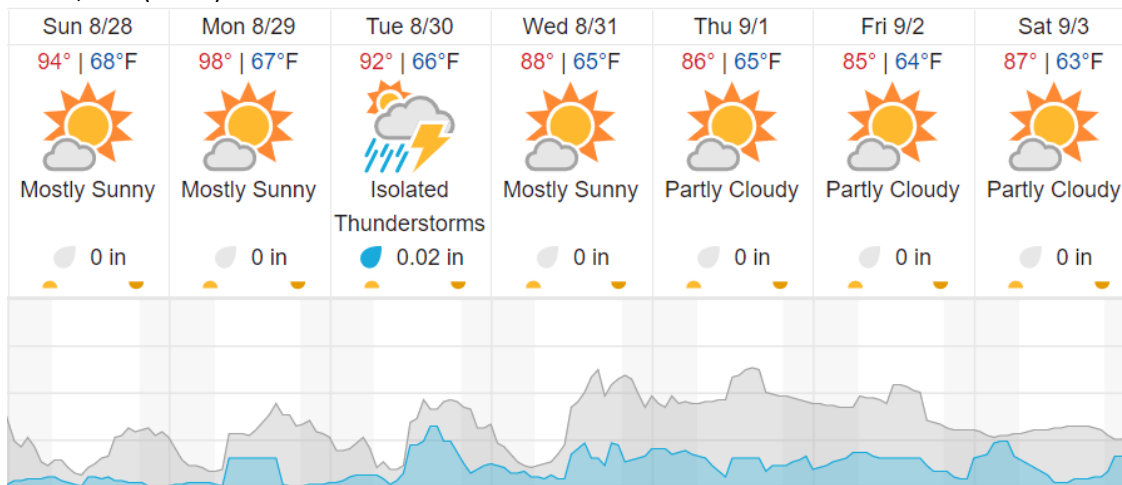
Flown: 0% (0/26)

Green: 0% (0/26)

Yellow: 0% (0/26)

Red: 0% (0/26)

Hatch, NM (JORN)



Cloud Cover (%)	Chance of Precip. (%)
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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