



August 24, 2018 Payload 3 Daily Flight Report



Date: 2018-08-24

Flight Campaign ID: 2018_P3C1

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

Domain: 14

Sites Flown: SRER_P2 (Santa Rita Experimental Range Priority 2)

Days left in Domain: 8

Report Author: Robb Walker

Flight Crew: Robb Walker, Mitch Haynes

Ground/GPS: Abe Morrison

Pilots: Grant Frost, Hans Germann

Additional Personnel:

GPS Instruments: 11 - FBO_KTUS, 12 - SRER

Flight Hours: 01:38

Hours until maintenance: 109.93

Summary

Higher overcast this morning allowed us to take to the skies in hopes of collecting some initial coverage at SRER, and perform a shakedown flight to confirm spectrometer was functioning normally. However, low cumulus began to build with slight precipitation and flight was aborted after nine lines.

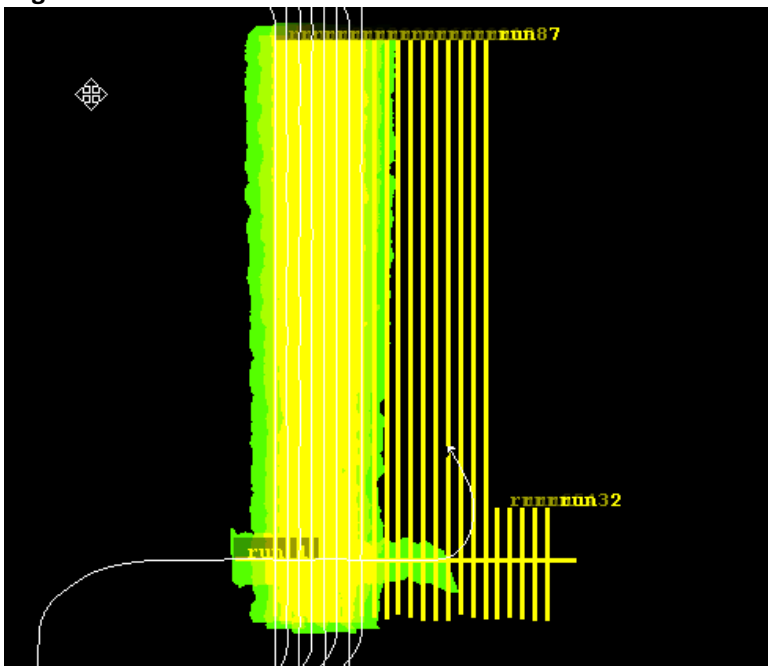
Concerns

None

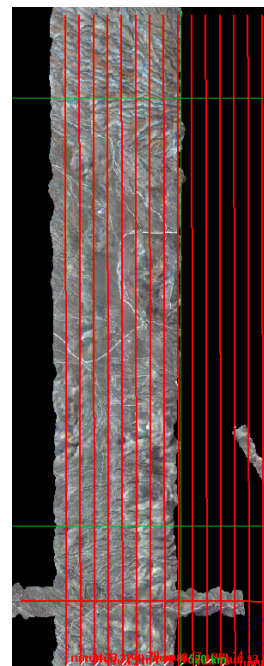
Comments

-Working through issues with RG07 station for JORN, but workaround should be implemented tomorrow.

Flight Screenshots



Lidar



NIS

Pictures



Madera Canyon in SRER



NEON tower at SRER

Daily Coverage

D14 SRER_P2	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
Flown:	9							

Cumulative Domain Coverage

JORN_P1

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						

Flown: 0% (0/34)

Green: 0% (0/34)

Yellow: 0% (0/34)

Red: 0% (0/34)

JORN_P2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21																			

Flown: 0% (0/21)

Green: 0% (0/21)

Yellow: 0% (0/21)

Red: 0% (0/21)

SRER_P1

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)

SRER_P2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24																

Flown: 38% (9/24)

Green: 0% (0/24)

Yellow: 0% (0/24)

Red: 38% (9/24)

SRER_P3

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)

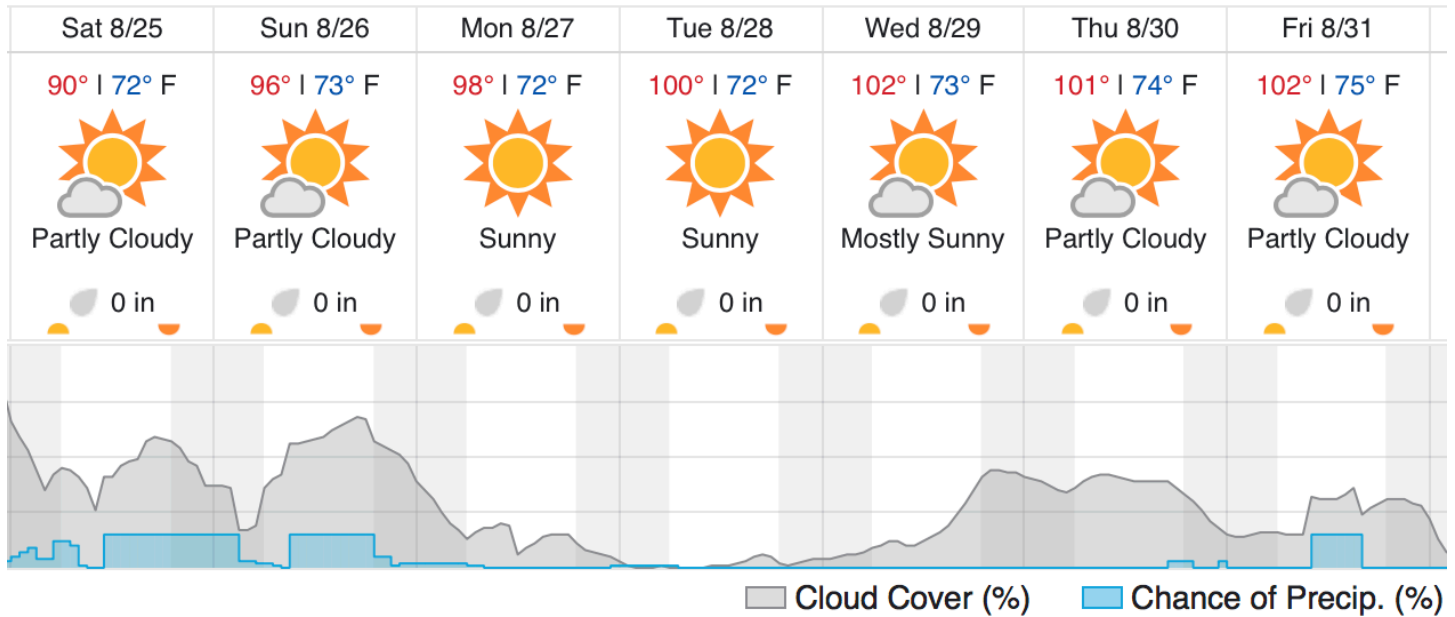
Green: 0% (0/26)

Yellow: 0% (0/26)

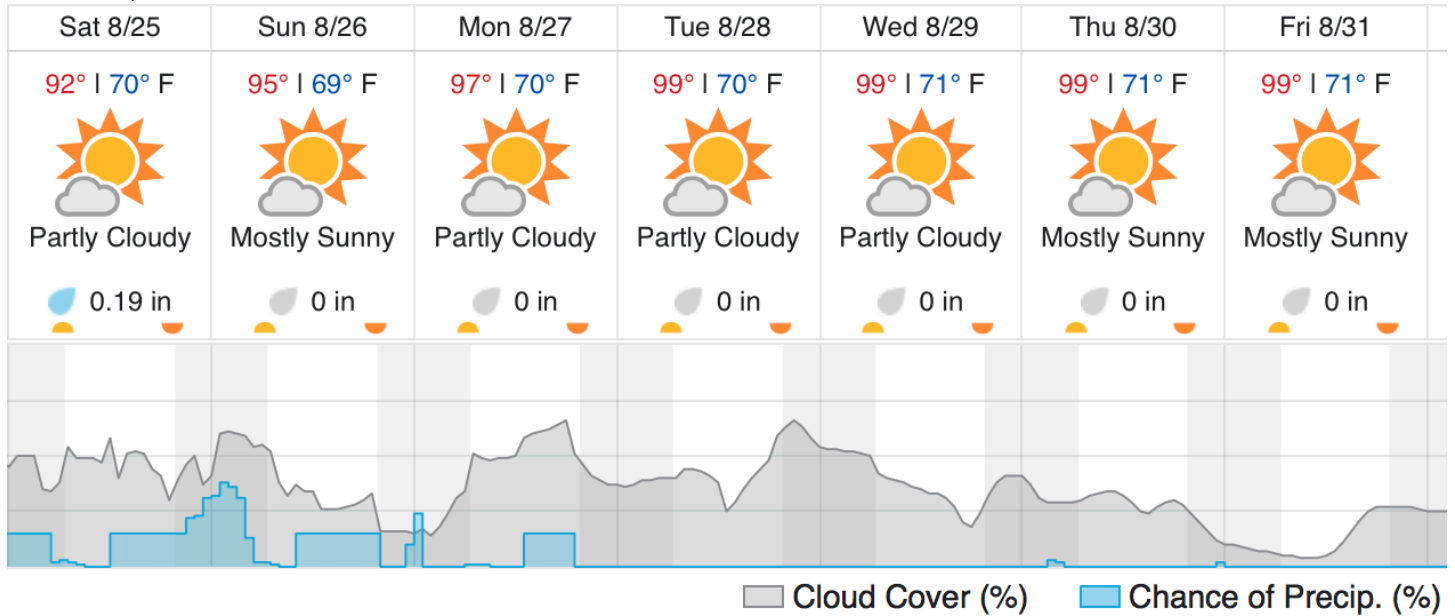
Red: 0% (0/26)

Weather Forecast

Tucson, AZ



Las Cruces, NM



Flight Collection Plan for 25 August 2018

Flyority 1 (Flight Priority 1):

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

Flight Plan Name: D14_SRER_C1_P1_v4_Q780

On-Station Time: 16:10 UTC / 09:10 L

Flyority 2 (Flight Priority 2):

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

Flight Plan Name: D14_SRER_C1_P2_v4_Q780

On-Station Time: 16:10 UTC / 09:10 L

Flyority 3 (Flight Priority 3):

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

Flight Plan Name: D14_SRER_C1_P3_v4_Q780

On-Station Time: 16:10 UTC / 09:10 L

Flyority 4 (Flight Priority 4):

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

Flight Plan Name: D14_JORN_R1_P1_v3_Q780

On-Station Time: 16:00 UTC / 10:00 L

Flyority 5 (Flight Priority 5):

Collection Area: Jornada (JORN) – Priority 2 Flight Box

Flight Plan Name: D14_JORN_R1_P2_v1_Q780

On-Station Time: 16:00 UTC / 10:00 L

Crew: Abe Morrison (Lidar), Robb Walker (NIS), Mitch Haynes (Ground)