



Payload 2 Daily Flight Report

Date: 2026-04-07
Flight Campaign ID: P2C1
Airport, FBO ID, City: Madera Municipal Airport (KMAE) - Madera, California
Aircraft: N821AR

Domain: 17 (Pacific Southwest)
Sites Flown: SJER (San Joaquin Ecological Range)
Days left in Domain: 1

Report Author: Mitch
Lidar Operators: Mitch **Flight Hours:** 03:05
Spectrometer Operators: Elissa **Hours until maintenance:** 98.98
Pilots: Justin, Vince **GPS Instruments:** U-P307, U-P725

Summary

High cirrus this morning delayed today's flight, but much like yesterday, it gradually decreased and moved to the southeast as the day progressed. The crew was eventually able to get airborne and collect the majority of the SJER flight box under green conditions.

Concerns

None

Comments

- New 208V outlet to be installed at the Madera hangar tomorrow morning. Will be ready to go by the time our return to D17 occurs in July.
- Conducted an Hg Lamp after today's flight which will serve as our pre payload off transit Hg lamp collect.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

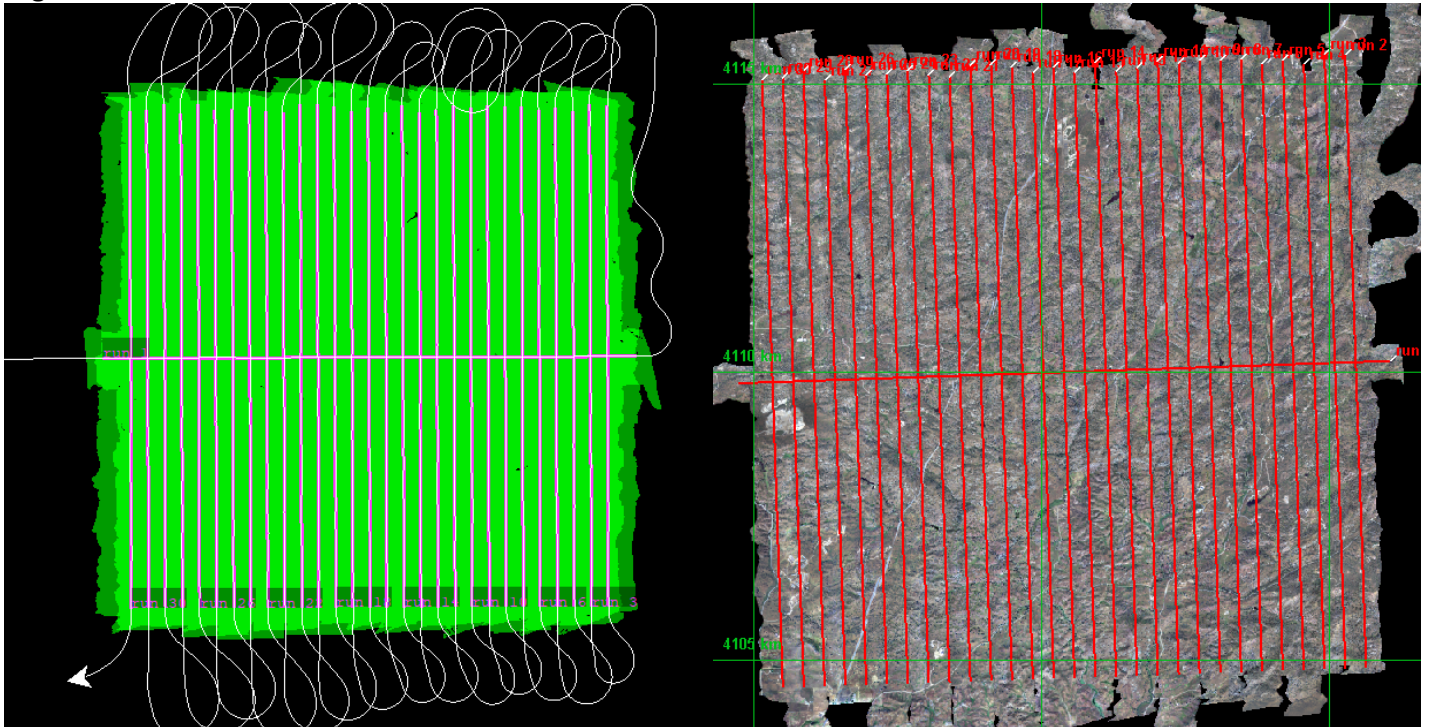
D17|SJER

Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																					

Line #	22	23	24	25	26	27	28	29	30
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover									

Total number of lines flown: 29

Flight Screenshots



Cumulative Domain Coverage

D17|SJER (San Joaquin Ecological Range)

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											

Flown: 100% (29/29)

Green: 76% (22/29)

Yellow: 24% (7/29)

Red: 0% (0/29)

D17|SOAP_P1 (Soaproot Saddle Priority 1)

24	25	26	27	28	29	30	31	32
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Flown: 100% (9/9)

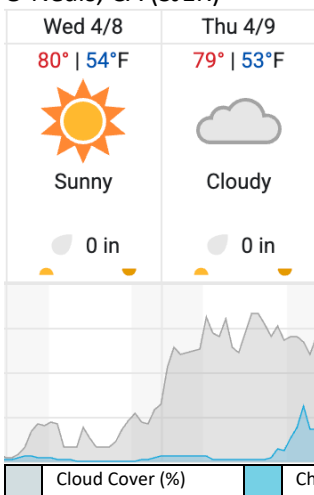
Green: 100% (9/9)

Yellow: 0% (0/9)

Red: 0% (0/9)

Weather Forecast

O'Neals, CA (SJER)



source: wunderground.com

Flight Collection Plan for 8 April 2026

Flyority 1

Collection Area: San Joaquin Experimental Range (SJER)

Lines 2-8 only if green

Flight Plan Name: D17_SJER_C1_P1_v5_VQ780

On-station Time: 1710 UTC / 1010 L

Crew: Elissa (Lidar), Mitch (NIS)