



Payload 1 Daily Flight Report



Date: 2026-07-13

Flight Campaign ID: P1C1

Airport, FBO ID, City: Fresno Yosemite International Airport (KFAT) - Fresno, CA; Carbon County Regional Airport (KPUC) - Price, UT; Boulder Municipal Airport (KBDU) - Boulder, CO

Aircraft: N537AR

Domain: 17 to 10/13

Sites Flown: Transit

Days left in Domain: 26

Report Author: Mike

Lidar Operators: Mike

Flight Hours: 03:09, 01:58

Spectrometer Operators: N/A

Hours until maintenance: 48.80

Pilots: Manning, Rusty

Ground Crew: Cameron, Nick

Summary

Crew and payload had a successful transit across the western US today from D17 in Fresno, CA to D10/13 Boulder, CO with a stop in Price, UT.

Concerns

The P1 chiller experienced a pump failure today causing the Koolance to become hot. The spare chiller was attached to the payload for the evening, with replacement scheduled for tomorrow morning prior to science collects.

Comments

None.

Pictures:

Below

First – Eastern side of the Sierra Nevada near Mammoth Lakes, CA

Second – Basin and Range Country near Railroad Valley

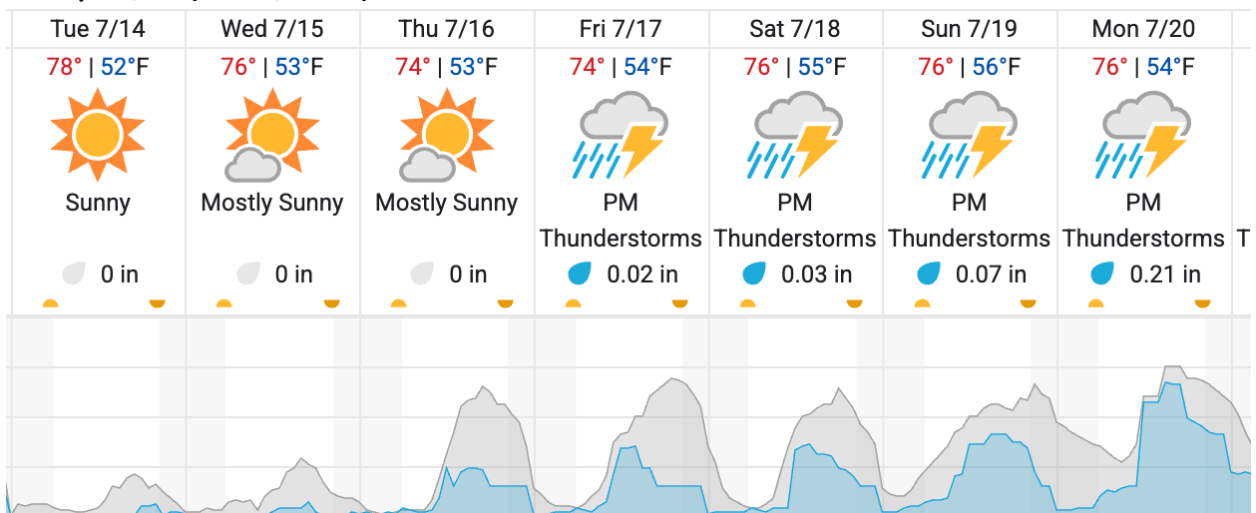
Third – Green River in eastern Utah



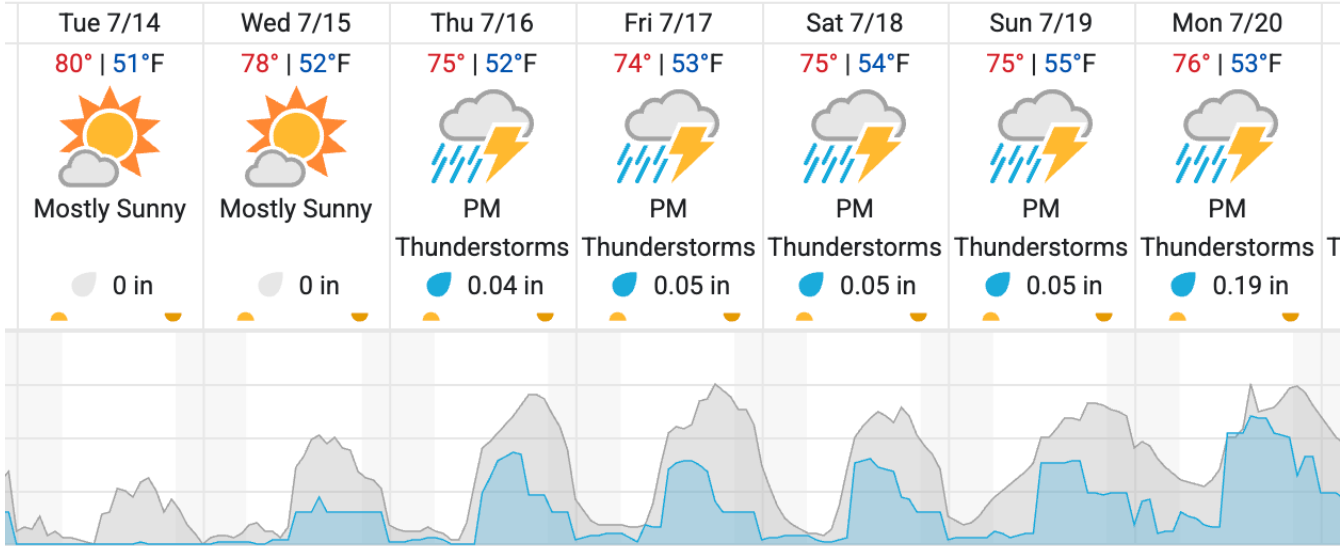


Weather Forecast

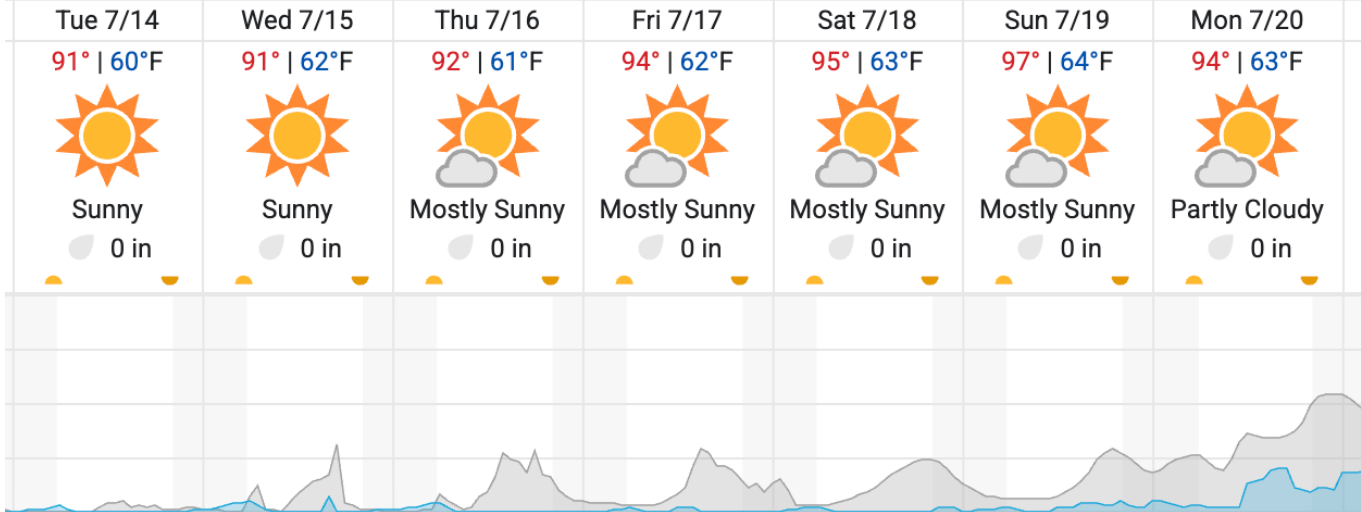
Allenspark, CO (RMNP/NIWO)



Fraser, CO (WLOU)



Joes, CO (ARIK)



source: wunderground.com

Flight Collection Plan for July 14, 2026

Flyority 1

Site: Niwot Ridge Mountain Research Station (NIWO)
Flight Plan Name: D13_NIWO_C1_P1_v7_PRM.xml
Solar Angle Time: 09:30L/15:30UTC

Flyority 2

Site: Rocky Mountain National Park (RMNP)
Flight Plan Name: D10_RMNP_R2_P2_v6_PRM.xml
Solar Angle Time: 09:30L/15:30UTC

Flyority 3

Site: Sterling Agricultural Site (STER)

Flight Plan Name: D10_STER_R1_P1_v5_PRM.xml

Solar Angle Time: 09:00L/15:00UTC

Flyority 4

Site: West St. Louis Creek (WLOU)

Flight Plan Name: D13_WLOU_A1_P1_v4_PRM.xml

Solar Angle Time: 09:30L/15:30UTC

Flyority 5

Site: Arikaree River (ARIK) – Priority 1 Flight Box

Flight Plan Name: D10_ARIK_A1_P1_P2_v5_PRM.xml

Solar Angle Time: 09:20L/15:20UTC

Flyority 6

Site: Arikaree River (ARIK) – Priority 2 Flight Box

Flight Plan Name: D10_ARIK_A1_P1_P2_v5_PRM.xml

Solar Angle Time: 09:20L/15:20UTC

Crew: Cameron (Lidar), Mike (NIS), Matt/Nick (Ground)