



Payload 3 Daily Flight Report



Date: 2024-04-04

Flight Campaign ID: P3C1

Airport, FBO ID, City: Fresno Yosemite International Airport (KFAT) - Fresno, CA, St George Regional Airport (KSGU) - Saint George, UT, Boulder Municipal Airport (KBDU) - Boulder, CO

Aircraft: N821AR

Domain: 00 (Training & Calibration)

Sites Flown: Transit

Days left in Domain: 22

Report Author: Elissa

Lidar Operators: Elissa **Flight Hours:** 02:43:00, 02:33:00

Spectrometer Operators: **Hours until maintenance:** 105.00

Pilots: Will, Justin

Ground Crew: Mitch, Matt

Summary

We had a successful return to Boulder from Fresno today in mixed IFR and VFR conditions. The system was shut down to accommodate IFR flying and is currently being pumped back down to vacuum. It will be ready for resumed operations sometime tomorrow.

Concerns

None.

Comments

None.

Pictures



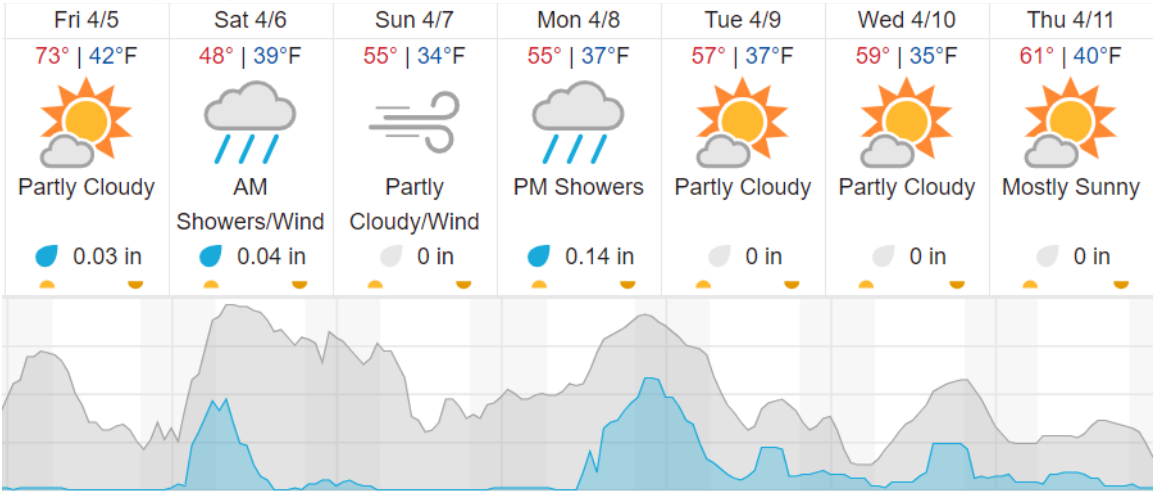
A cloudy start to the day in Fresno, CA.



Healthy spring snowpack in the Colorado Rockies.

Weather Forecast

Boulder, CO (KBDU)



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

source: wunderground.com

Flight Collection Plan for 5 April 2024

After completing pumping and cooling:

Flyority 1

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780

45° On-station Time: 1730 UTC / 1130 L

Additional Considerations: Ground should be dry.

Flyority 2

Collection Area: Boresight Calibration – Greeley, CO

Flight Plan Name: D10_B10E_Boresight_1600m_Q780 (RiAcquire name: D10_B10E_Boresight_Apx_Q780)

30° On-station Time: 1550 UTC / 0950 L

Additional Considerations: No recent snowfall, clear roofs required.

Flyority 3

Collection Area: NIS Offset Flight

Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780

35° On-station Time: 1620 UTC / 1030 L

Flight Crew

Matt (Lidar), Elissa (NIS), Mitch (Travel/Ground)