

ER-2 - AFRC #809 08/23/21

Aircraft: [ER-2 - AFRC #809](#) ([See full schedule](#))

Flight Number: 21-9070

Payload Configuration: AWAS, DPOPS, HAL, HWV, HUPCRS, ROZE, CAFÉ, CANOE, WI-ICOS, MMS, PALMS, UCATS, AVS Camera

Nav Data Collected: Yes

Total Flight Time: 3.4 hours

Comments: This was the transit flight from SLN to PMD for the conclusion of the 2021 DCOTSS campaign. Take off occurred at 1358Z. Flew directly to Palmdale. Max altitude reached was approximately 66,600 ft. Had Nose pressure and PALMS fail lights come on around 1445Z, pressure was normal for Qbay and cabin. At 1507Z Nose heater overheat indication, switched to blower for remainder of flight. Kept slow descent, 1500 ft/min, into Palmdale. Landed at 1721L. Tim Williams was the pilot.

Submitted by: Fran Becker on 08/23/21

Flight Segments:

| | | | |
|---------------------------|---|----------------|------------------|
| From: | SLN | To: | PMD |
| Start: | 08/23/21 13:58 Z | Finish: | 08/23/21 17:21 Z |
| Flight Time: | 3.4 hours | | |
| Log Number: | 212002 - Completed as of this flight. | PI: | Kenneth Bowman |
| Funding Source: | Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program | | |
| Purpose of Flight: | Transit | | |

Flight Hour Summary:

| | |
|---------------------------------------|---------------|
| | 212002 |
| Flight Hours Approved in SOFRS | 166 |
| Total Used | 97.5 |
| Total Remaining | 68.5 |

212002 Flight Reports

| Date | Flt # | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|--------------------------|---------|-------------------|----------|---------------|-----------------|-------------|
| 06/09/21 | 21-9046 | Check | 4.1 | 4.1 | 161.9 | 1268 |
| 06/14/21 | 21-9047 | Check | 3.8 | 7.9 | 158.1 | 0 |
| 06/17/21 | 21-9048 | Science | 6.2 | 14.1 | 151.9 | 0 |
| 07/12/21 | 21-9056 | Transit | 3.2 | 17.3 | 148.7 | 0 |
| 07/16/21 | 21-9057 | Science | 8 | 25.3 | 140.7 | 2883 |
| 07/20/21 | 21-9058 | Science | 7.2 | 32.5 | 133.5 | 2400 |
| 07/23/21 | 21-9059 | Science | 6.7 | 39.2 | 126.8 | 2294 |
| 07/26/21 | 21-9060 | Science | 6.3 | 45.5 | 120.5 | 1952 |
| 07/29/21 | 21-9061 | Science | 7.6 | 53.1 | 112.9 | 2628 |
| 08/02/21 | 21-9062 | Science | 6.7 | 59.8 | 106.2 | 2670 |
| 08/06/21 | 21-9065 | Science | 5.7 | 65.5 | 100.5 | 2271 |
| 08/10/21 | 21-9066 | Science | 7.7 | 73.2 | 92.8 | 2542 |
| 08/14/21 | 21-9067 | Science | 7 | 80.2 | 85.8 | 2564 |
| 08/17/21 | 21-9068 | Science | 6.8 | 87 | 79 | 2275 |
| 08/19/21 | 21-9069 | Science | 7.1 | 94.1 | 71.9 | 2373 |
| 08/23/21 | 21-9070 | Transit | 3.4 | 97.5 | 68.5 | 0 |

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

NASA Official: Marilyn Vasques

Source URL: https://espo.nasa.gov/hs3/flight_reports/ER-2_-_AFRC_809_08_23_21