

ER-2 - AFRC #809 06/17/21

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

Flight Number: 21-9048

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

Nav Data Collected: Yes

Total Flight Time: 6.2 hours

Comments: This was the first science flight for the DCOTSS payload. Ground ops went well. Take off occurred 0902 local. Climbed out to 50k ft for MMS maneuver. L2 constant FL through flight. DPOPS (N4) had issues 1 hr in, reset and worked again. Fire en route on southern leg, northern leg with dips was perfectly aligned with growing cloud conditions. Some light turbulence. No cirrus during ascent or descent. Landed 1512 L. Gary Toroni was the pilot.

Submitted by: Fran Becker on 06/17/21

Flight Segments:

From:	PMD	To:	PMD
Start:	06/17/21 16:02 Z	Finish:	06/17/21 22:12 Z
Flight Time:	6.2 hours		
Log Number:	212002	PI:	Kenneth Bowman
Funding Source:	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
Purpose of Flight:	Science		

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

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