

## ER-2 - AFRC #809 08/19/21

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

Flight Number: 21-9069

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

Nav Data Collected: Yes

Total Flight Time: 7.1 hours

Comments: This was the eleventh science flight from SLN for the DCOTSS campaign. Take off occurred at 0857L. Flew legs over New Mexico to sample overshoot material originating from the Sierra Madres convection. Also sampled overshoot material from West Texas/East Mexico. Landed at 1603L. Tim Williams was the pilot.

Submitted by: Ken Norlin on 08/19/21

### Flight Segments:

From:	SLN	To:	SLN
Start:	08/19/21 13:57 Z	Finish:	08/19/21 21:03 Z
Flight Time:	7.1 hours		
Log Number:	<a href="#">212002</a>	PI:	Kenneth Bowman
Funding Source:	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
Purpose of Flight:	Science		
Miles Flown:	2373 miles		

### 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
<a href="#">06/09/21</a>	21-9046	Check	4.1	4.1	161.9	1268
<a href="#">06/14/21</a>	21-9047	Check	3.8	7.9	158.1	0
<a href="#">06/17/21</a>	21-9048	Science	6.2	14.1	151.9	0
<a href="#">07/12/21</a>	21-9056	Transit	3.2	17.3	148.7	0
<a href="#">07/16/21</a>	21-9057	Science	8	25.3	140.7	2883
<a href="#">07/20/21</a>	21-9058	Science	7.2	32.5	133.5	2400
<a href="#">07/23/21</a>	21-9059	Science	6.7	39.2	126.8	2294
<a href="#">07/26/21</a>	21-9060	Science	6.3	45.5	120.5	1952
<a href="#">07/29/21</a>	21-9061	Science	7.6	53.1	112.9	2628
<a href="#">08/02/21</a>	21-9062	Science	6.7	59.8	106.2	2670
<a href="#">08/06/21</a>	21-9065	Science	5.7	65.5	100.5	2271
<a href="#">08/10/21</a>	21-9066	Science	7.7	73.2	92.8	2542
<a href="#">08/14/21</a>	21-9067	Science	7	80.2	85.8	2564
<a href="#">08/17/21</a>	21-9068	Science	6.8	87	79	2275
<a href="#">08/19/21</a>	21-9069	Science	7.1	94.1	71.9	2373
<a href="#">08/23/21</a>	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.

### Related Science Report:

## DCOTSS - ER-2 - AFRC #809 08/19/21 Science Report

Mission: DCOTSS

Mission Summary:

RF11 flight report

**File:**

 [DCOTSS Science Flight Summary Report RF11 2021-08-19.pdf](#)

**Submitted by:** Kenneth Bowman on 08/25/21

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