

DCOTSS - ER-2 - AFRC #809 07/26/21 Science Report

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

Date: Monday, July 26, 2021

Mission: DCOTSS

Mission Location: Salina, KS

Mission Summary:

Research flight 4

Submitted by: Kenneth Bowman on 08/01/21

File:

 [DCOTSS Science Flight Summary Report RF04 2021-07-26 v2.pdf](#)

Related Flight Report:

ER-2 - AFRC #809 07/26/21

NOTE: All flight reports will be archived as NASA public data in the DAAC.

Flight Number: 21-9060

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

Nav Data Collected: Yes

Total Flight Time: 6.3 hours

Comments: This was the fourth science flight from SLN for the DCOTSS campaign. Take off occurred 1023 local. Ground ops went very well which allowed an early takeoff. Initial climb out FL550; instrument panel was good; performed "NASCAR" racetracks. Light chop at FL520, otherwise no turbulence. Lots of cumulus clouds. Delayed landing for thunderstorm over the airfield. Slight 60 second mist on 3-mile final. Landed 1641 local. Gary Toroni was the pilot.

Submitted by: Brian Hobbs on 07/26/21

Flight Segments:

From:	SLN	To:	SLN
Date:	07/26/21		
Flight Time:	6.3 hours		
Log Number:	212002	PI:	Kenneth Bowman
Funding Source:	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
Purpose of Flight:	Science		
Miles Flown:	1952 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
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.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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