

DCOTSS - ER-2 - AFRC #809 07/29/21 Science Report

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

Date: Thursday, July 29, 2021

Mission: DCOTSS

Mission Location: Salina, KS

Mission Summary:

Research flight 5

Submitted by: Kenneth Bowman on 08/01/21

File:

 [DCOTSS Science Flight Summary Report RF05 2021-07-29.pdf](#)

Related Flight Report:

ER-2 - AFRC #809 07/29/21

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

Flight Number: 21-9061

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

Nav Data Collected: Yes

Total Flight Time: 7.6 hours

Submitted by: Brian Hobbs on 07/29/21

Flight Segments:

From:	SLN	To:	SLN
Date:	07/29/21		
Flight Time:	7.6 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:	2628 miles		
Comments:	This was the fifth science flight from SLN for the DCOTSS campaign. Take off occurred 0547 local. Ground ops went very well which allowed an early takeoff. Initial climb out FL620; instrument panel was good; performed "NASCAR" racetracks over mid-west US. Light chop at FL470, diminishing at FL490 and none by FL500, otherwise no turbulence. Cirrus clouds at ~FL440. Landed 1325 local. Greg Nelson was the pilot.		

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

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