

DCOTSS - ER-2 - AFRC #806 05/31/22 - 06/01/22 Science Report

Aircraft: [ER-2 - AFRC #806](#) ([See full schedule](#))

Date: Tuesday, May 31, 2022 - Wednesday, June 1, 2022

Mission: DCOTSS

Mission Location: Salina, KS

Mission Summary:

RF13 flight report

Submitted by: Kenneth Bowman on 06/14/22

File:

 [DCOTSS Science Flight Summary Report RF13 2022-05-31.pdf](#)

Related Flight Report:

ER-2 - AFRC #806 05/31/22 - 06/01/22

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

Flight Number: 22-6010

Payload Configuration: AWAS, CAFE, CANOE, ROZE, DPOPS, PALMS, MMS, HAL, HWV, HUPCRS, WI-ICOS, AVS PTZ, MVIS, AUCATS

Nav Data Collected: No

Total Flight Time: 5.1 hours

Comments: his was the second science flight for the DCOTSS campaign. Take off occurred at 2259Z. Flew from point 4 to point 18 multiple times, flew through cirrus on last leg, flew to new point to Southwest, with moderate turbulence on approach to end point, flew back to point 18 then turned for field. Flight was terminated early due to storm cells developing East of field. Landed at 0407Z. Kirt Stallings was the pilot.

Submitted by: Fran Becker on 06/01/22

Flight Segments:

From:	KSLN	To:	KSLN
Start:	05/31/22 22:59 Z	Finish:	06/01/22 04:07 Z
Flight Time:	5.1 hours		
Log Number:	222004	PI:	Kenneth Bowman
Funding Source:	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
Purpose of Flight:	Science		
Miles Flown:	1862 miles		

Flight Hour Summary:

	222004
Flight Hours Approved in SOFRS	166
Total Used	102.2
Total Remaining	63.8

222004 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
05/13/22	22-6007	Check	3.8	3.8	162.2	1426
05/26/22	22-6008	Transit	5.4	9.2	156.8	1675
05/29/22	22-6008	Science	5	14.2	151.8	1803

05/31/22 - 06/01/22	22-6010	Science	5.1	19.3	146.7	1862
06/02/22	22-6011	Science	7.5	26.8	139.2	2438
06/05/22	22-6012	Science	7.6	34.4	131.6	2676
06/08/22	22-6013	Science	7.5	41.9	124.1	2488
06/10/22	22-6014	Science	8.2	50.1	115.9	2731
06/21/22	22-6016	Science	7	57.1	108.9	1793
06/24/22 - 06/25/22	22-6017	Science	7.5	64.6	101.4	3104
06/27/22 - 06/28/22	22-6018	Science	5.9	70.5	95.5	2340
06/29/22 - 06/30/22	22-6019	Transit	7.6	78.1	87.9	2735
07/07/22 - 07/08/22	22-6020	Science	7.9	86	80	0
07/08/22	22-6021	Science	8.2	94.2	71.8	2922
07/11/22 - 07/12/22	22-6022	Science	8	102.2	63.8	2091

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.

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