

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

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

Date: Sunday, June 5, 2022 - Monday, June 6, 2022

Mission: DCOTSS

Mission Location: Salina, KS

Mission Summary:

Research flight 15

Submitted by: Kenneth Bowman on 07/08/22

File:

 [DCOTSS Science Flight Summary Report RF15 2022-06-05.pdf](#)

Related Flight Report:

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

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

Flight Number: 22-6012

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

Nav Data Collected: Yes

Total Flight Time: 7.6 hours

Comments: This was the fourth science flight for the DCOTSS campaign. Take off occurred at 0949L. Flew a survey flight into Canada to sample stratospheric air with high ozone. Completed 3 altitude profiles on return. Landed at 1723L. Kirt Stallings was the pilot.

Submitted by: Ken Norlin on 06/05/22

Flight Segments:

From:	KSLN	To:	KSLN
Start:	06/05/22 14:49 Z	Finish:	06/05/22 22:23 Z
Flight Time:	7.6 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:	2676 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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