

## DCOTSS - ER-2 - AFRC #806 05/29/22 Science Report

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

**Date:** Sunday, May 29, 2022

**Mission:** DCOTSS

**Mission Location:** Salina, KS

**Mission Summary:**

RF12 flight report

**Submitted by:** Kenneth Bowman on 06/14/22

**File:**

 [DCOTSS Science Flight Summary Report RF12 2022-05-29.pdf](#)

**Related Flight Report:**

### ER-2 - AFRC #806 05/29/22

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

**Flight Number:** 22-6008

**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 hours

**Comments:** This was the first science flight for the DCOTSS campaign. Take off occurred at 1102Z. Most mission objectives met, flight flown as planned. Lower altitudes flight was in Cirrus. Cells were moving approximately 20 knots. Turbulence at 42k ft was Moderate; 43.5k was Light to Moderate. Flight was terminated early due to winds at the airfield. Landed at 1601Z. Tim Williams was the pilot.

**Submitted by:** Fran Becker on 05/29/22

**Flight Segments:**

<b>From:</b>	KSLN	<b>To:</b>	KSLN
<b>Start:</b>	05/29/22 11:02 Z	<b>Finish:</b>	05/29/22 16:01 Z
<b>Flight Time:</b>	5 hours		
<b>Log Number:</b>	<a href="#">222004</a>	<b>PI:</b>	Kenneth Bowman
<b>Funding Source:</b>	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
<b>Purpose of Flight:</b>	Science		
<b>Miles Flown:</b>	1803 miles		

**Flight Hour Summary:**

	<b>222004</b>
<b>Flight Hours Approved in SOFRS</b>	166
<b>Total Used</b>	102.2
<b>Total Remaining</b>	63.8

#### 222004 Flight Reports

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

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

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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