

## DCOTSS - ER-2 - AFRC #806 06/29/22 - 06/30/22 Science Report

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

**Date:** Wednesday, June 29, 2022 - Thursday, June 30, 2022

**Mission:** DCOTSS

**Mission Location:** KSLN to KPMD

**Mission Summary:**

Transit flight 4

**Submitted by:** Kenneth Bowman on 07/06/22

**File:**

 [DCOTSS Science Flight Summary Report TR04 2022-06-29.pdf](#)

**Related Flight Report:**

### ER-2 - AFRC #806 06/29/22 - 06/30/22

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

**Flight Number:** 22-6019

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

**Nav Data Collected:** Yes

**Total Flight Time:** 7.6 hours

**Comments:** This was the tenth science flight for the DCOTSS campaign. Take off occurred at 1718Z. Late take off due to airfield traffic. Instruments worked very well, overall. Some moderate turbulence in low altitude dips near Washington. Some airspace issues, but was able to fly lower altitudes as planned for entire flight. Landed at 0054Z. Dean Neeley was the pilot.

**Submitted by:** Fran Becker on 06/29/22

**Flight Segments:**

<b>From:</b>	KSLN	<b>To:</b>	PMD
<b>Start:</b>	06/29/22 17:18 Z	<b>Finish:</b>	06/30/22 00:54 Z
<b>Flight Time:</b>	7.6 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>	Transit		
<b>Miles Flown:</b>	2735 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.*

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