

## DCOTSS - ER-2 - AFRC #806 05/26/22 Science Report

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

**Date:** Thursday, May 26, 2022

**Mission:** DCOTSS

**Mission Location:** KPMD to KSLN

**Mission Summary:**

Transit flight 3

**Submitted by:** Kenneth Bowman on 07/08/22

**File:**

 [DCOTSS Science Flight Summary Report TR03 2022-05-26.pdf](#)

**Related Flight Report:**

### ER-2 - AFRC #806 05/26/22

**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:** Yes

**Total Flight Time:** 5.4 hours

**Comments:** This was the transit flight for the DCOTSS campaign. Take off occurred at 1701Z. NASDAT had ground issues initially, was resolved quickly. MMS maneuver was delayed to end of flight due to air traffic issues on climb out. No unforeseen weather. Moisture at beginning of flight was visible around 38k feet. Landed at 2223Z. Kirt Stallings was the pilot.

**Submitted by:** Fran Becker on 05/26/22

**Flight Segments:**

<b>From:</b>	KPMD	<b>To:</b>	KSLN
<b>Start:</b>	05/26/22 17:01 Z	<b>Finish:</b>	05/26/22 22:23 Z
<b>Flight Time:</b>	5.4 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>	1675 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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