

## DCOTSS - ER-2 - AFRC #809 08/14/21 Science Report

**Aircraft:** [ER-2 - AFRC #809](#) ([See full schedule](#))

**Date:** Saturday, August 14, 2021

**Mission:** DCOTSS

**Mission Location:** Salina, KS

**Mission Summary:**

RF09 flight report

**Submitted by:** Kenneth Bowman on 08/17/21

**File:**

 [DCOTSS Science Flight Summary Report RF09 2021-08-14.pdf](#)

**Related Flight Report:**

### ER-2 - AFRC #809 08/14/21

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

**Flight Number:** 21-9067

**Payload Configuration:** AWAS, DPOPS, HAL, HWV, HUPCRS, ROZE, CAFÉ, CANOE, WI-ICOS, MMS, PALMS, UCATS, AVS Cam

**Nav Data Collected:** Yes

**Total Flight Time:** 7 hours

**Comments:** This was the ninth science flight from SLN for the DCOTSS campaign. Take off occurred at 0706L. Headed east to sample outflow over Ohio. Landed at 1408L. Dean Neeley was the pilot.

**Submitted by:** Ken Norlin on 08/14/21

**Flight Segments:**

<b>From:</b>	SLN	<b>To:</b>	SLN
<b>Start:</b>	08/14/21 12:06 Z	<b>Finish:</b>	08/14/21 19:08 Z
<b>Flight Time:</b>	7 hours		
<b>Log Number:</b>	<a href="#">212002</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>	2564 miles		

**Flight Hour Summary:**

	<b>212002</b>
<b>Flight Hours Approved in SOFRS</b>	166
<b>Total Used</b>	97.5
<b>Total Remaining</b>	68.5

#### 212002 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">06/09/21</a>	21-9046	Check	4.1	4.1	161.9	1268
<a href="#">06/14/21</a>	21-9047	Check	3.8	7.9	158.1	0
<a href="#">06/17/21</a>	21-9048	Science	6.2	14.1	151.9	0
<a href="#">07/12/21</a>	21-9056	Transit	3.2	17.3	148.7	0
<a href="#">07/16/21</a>	21-9057	Science	8	25.3	140.7	2883
<a href="#">07/20/21</a>	21-9058	Science	7.2	32.5	133.5	2400
<a href="#">07/23/21</a>	21-9059	Science	6.7	39.2	126.8	2294
<a href="#">07/26/21</a>	21-9060	Science	6.3	45.5	120.5	1952

<a href="#">07/29/21</a>	21-9061	Science	7.6	53.1	112.9	2628
<a href="#">08/02/21</a>	21-9062	Science	6.7	59.8	106.2	2670
<a href="#">08/06/21</a>	21-9065	Science	5.7	65.5	100.5	2271
<a href="#">08/10/21</a>	21-9066	Science	7.7	73.2	92.8	2542
<a href="#">08/14/21</a>	21-9067	Science	7	80.2	85.8	2564
<a href="#">08/17/21</a>	21-9068	Science	6.8	87	79	2275
<a href="#">08/19/21</a>	21-9069	Science	7.1	94.1	71.9	2373
<a href="#">08/23/21</a>	21-9070	Transit	3.4	97.5	68.5	0

*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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NASA Official: Bruce A. Tagg

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