

DCOTSS - ER-2 - AFRC #806 07/11/22 - 07/12/22 Science Report

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

Date: Monday, July 11, 2022 - Tuesday, July 12, 2022

Mission: DCOTSS

Mission Location: Palmdale, CA

Mission Summary:

Mission science summary attached.

Submitted by: Kenneth Bowman on 07/29/22

File:

 [DCOTSS Science Flight Summary Report RF23 2022-07-11.pdf](#)

Related Flight Report:

ER-2 - AFRC #806 07/11/22 - 07/12/22

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

Flight Number: 22-6022

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

Nav Data Collected: No

Total Flight Time: 8 hours

Comments: This was the Thirteenth science flight for the DCOTSS campaign. Take off occurred at 1204PDT/1904Z.

Successful science with sampling out flow of three day old Sierra Madre convection. Landed at 2004PDT/0304Z.

Submitted by: Samuel Choi on 07/12/22

Flight Segments:

From:	KPMD	To:	KPMD
Start:	07/11/22 19:04 Z	Finish:	07/12/22 03:04 Z
Flight Time:	8 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:	2091 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.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

Source URL:https://airbornescience.nasa.gov/science_reports/DCOTSS_-_ER-2_-_AFRC_806_07_11_22_-_07_12_22_Science_Report