

## ER-2 #809 08/03/16

**Aircraft:**

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

**Flight Number:**

16-9049

**Payload Configuration:**

ORACLES - AirMSPI, HSRL-2, SSFR, RSP, eMAS, APS

**Nav Data Collected:**

Yes

**Archive Data:**

[20160803](#) (14 binary files; 2 archive (plain-text) files)

**Total Flight Time:**

4.1 hours

**Comments:**

ER-2 BCDU swapped out before flight ? takeoff delayed ~30 minutes. Flew over Railroad Valley in Nevada again ? this time, we also flew full circle at ~10 degrees bank angle. Then flew past Lake Tahoe, and over Sacramento and San Francisco. Headed west (and slightly north) to do a short leg over the ocean ? cloudy from the coast halfway out and then clear the rest of the way. Then headed back and flew over Monterey, the smoke from the Big Sur fire, as well as the Bakersfield AERONET site on the return to Palmdale.

**Submitted by:**

Ken Norlin on 08/03/16

**Flight Segments:**

<b>From:</b>	PMD	<b>To:</b>	PMD
<b>Start:</b>	08/03/16 16:34 Z	<b>Finish:</b>	08/03/16 20:41 Z
<b>Flight Time:</b>	4.1 hours		
<b>Log Number:</b>	<a href="#">162008</a>	<b>PI:</b>	Jens Redemann
<b>Funding Source:</b>	Hal Maring - NASA - SMD - ESD Radiation Science Program		
<b>Purpose of Flight:</b>	Check		

**Flight Hour Summary:**

	162008	172025
<b>Flight Hours Approved in SOFRS</b>	142	
<b>Flight Hours Previously Approved</b>		21
<b>Total Used</b>	121	17.9
<b>Total Remaining</b>		3.1

**172025 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">10/03/16</a>	17-9001	Transit	9.7	9.7	11.3	
<a href="#">10/06/16</a>	17-9002	Transit	4.9	14.6	6.4	
<a href="#">10/27/16</a>	17-9003	Science	3.3	17.9	3.1	

**Source URL:** [https://espo.nasa.gov/ORACLES/flight\\_reports/ER-2\\_809\\_08\\_03\\_16#comment-0](https://espo.nasa.gov/ORACLES/flight_reports/ER-2_809_08_03_16#comment-0)

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Marilyn Vasques

*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.*

**162008 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">07/28/16</a>	16-9048	Check	4.1	4.1	137.9	
<a href="#">08/03/16</a>	16-9049	Check	4.1	8.2	133.8	
<a href="#">08/19/16</a>	16-9050	Transit	5	13.2	128.8	

<a href="#">08/23/16</a>	16-9051	Transit	10.5	23.7	118.3
<a href="#">08/26/16</a>	16-9052	Transit	7.9	31.6	110.4
<a href="#">09/10/16</a>	16-9053	Science	6.3	37.9	104.1
<a href="#">09/12/16</a>	16-9054	Science	8.7	46.6	95.4
<a href="#">09/14/16</a>	16-9055	Science	8.1	54.7	87.3
<a href="#">09/17/16</a>	16-9056	Science	7.7	62.4	79.6
<a href="#">09/18/16</a>	16-9057	Science	8.5	70.9	71.1
<a href="#">09/20/16</a>	16-9058	Science	7.7	78.6	63.4
<a href="#">09/22/16</a>	16-9059	Science	7.9	86.5	55.5
<a href="#">09/24/16</a>	16-9060	Science	8	94.5	47.5
<a href="#">09/25/16</a>	16-9061	Science	8.7	103.2	38.8
<a href="#">09/27/16</a>	16-9062	Science	9.2	112.4	29.6
<a href="#">09/29/16</a>	16-9063	Transit	8.6	121	21