

## ER-2 #809 01/14/16

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

Flight Number: 16-9035

Payload Configuration: AVIRIS-C

Nav Data Collected: Yes

Total Flight Time: 2.4 hours

**Comments:** The mission for Flight 16-9035 was to fly over the methane leak in Porter Ranch, CA. the pilot flew the three lines as planned, then repeated them for a total of six lines. Weather was clear within a 10km radius of the methane leak (target) below 31,000' altitude. Outside the radius there were low and mid-level clouds below 28,000'. The beginning of the AVIRIS collection on some lines (before the start point) will be washed because of autopilot induced bank angles. Ground speed was roughly 125 Kts on each line. Winds were 50 kts from NW at altitude. On the flight log, the top time entry in the ATA block pertains to the first run, and the second entry (UTC time) is from the second run of each line. AVIRIS performed as expected. The pilot was Dean Neeley.

Submitted by: Kevin Walsh on 01/14/16

### Flight Segments:

<b>From:</b>	PMD	<b>To:</b>	PMD
<b>Date:</b>	01/14/16		
<b>Flight Time:</b>	2.4 hours		
<b>Log Number:</b>	<a href="#">162020</a>	<b>PI:</b>	Robert Green
<b>Funding Source:</b>	Diane Wickland - NASA - SMD - ESD Terrestrial Ecology		
<b>Purpose of Flight:</b>	Science		

### Flight Hour Summary:

	142019	152015	162020	172033
<b>Flight Hours Approved in SOFRS</b>	11	30		
<b>Flight Hours Previously Approved</b>		3.2	28.4	14.7
<b>Total Used</b>	7.8	4.8	13.7	0.5
<b>Total Remaining</b>				14.2

### 172033 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">04/06/17</a>	17-9023	Check	0.5	0.5	14.2	

### 162020 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">10/30/15</a>	16-9010	Check	1.9	1.9	26.5	
<a href="#">10/30/15</a>	16-9012	Science	4.2	6.1	22.3	
<a href="#">01/12/16</a>	16-9031	Science	3.2	9.3	19.1	
<a href="#">01/14/16</a>	16-9035	Science	2.4	11.7	16.7	
<a href="#">02/09/16</a>	16-9039	Science	2	13.7	14.7	

### 152015 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">11/07/14</a>	15-6004	Science	3	3	30.2	
<a href="#">04/21/15</a>	15-9034	Check	1.8	4.8	28.4	

Source URL: [https://espo.nasa.gov/aase/flight\\_reports/ER-2\\_809\\_01\\_14\\_16#comment-0](https://espo.nasa.gov/aase/flight_reports/ER-2_809_01_14_16#comment-0)

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

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*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.*

**142019 Flight Reports**

<b>Date</b>	<b>Flt #</b>	<b>Purpose of Flight</b>	<b>Duration</b>	<b>Running Total</b>	<b>Hours Remaining</b>	<b>Miles Flown</b>
<a href="#">08/18/14 - 08/19/14</a>	14-9038	Science	7.8	7.8	3.2	