

## ER-2 #806 03/24/16

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

Flight Number: 16-6006

Payload Configuration: AVIRIS-C

Nav Data Collected: Yes

Total Flight Time: 3.8 hours

**Comments:** The objective for Flight 16-6006 was to fly over the Sierra Nevada snow pack with AVIRIS-C. The target area was north of Lake Tahoe, an area called Sagehen. For the first two passes over the target area the sky was clear. The last two lines of the mission were not flown because of an increase in cirrus clouds. Stu commented that it was hard for him to make the call to continue because looking straight down he could clearly see the target but he also noted that cirrus clouds were "rolling in". He couldn't determine how much cirrus clouds so after consulting with the AVIRIS scientist, it was decided to RTB and not fly the last two lines to save flight hours for FR162023. There were very few low clouds. Stu Broce was the pilot.

Submitted by: Kevin Walsh on 04/05/16

### Flight Segments:

<b>From:</b>	PMD	<b>To:</b>	PMD
<b>Date:</b>	03/24/16		
<b>Flight Time:</b>	3.8 hours		
<b>Log Number:</b>	<a href="#">162023</a>	<b>PI:</b>	Ian McCubbin
<b>Funding Source:</b>	Jared Entin - NASA - SMD - ESD Hydrology Program		
<b>Purpose of Flight:</b>	Science		

### Flight Hour Summary:

	152006	162023
<b>Flight Hours Approved in SOFRS</b>	15	4
<b>Flight Hours Previously Approved</b>		10.6
<b>Total Used</b>	4.4	14.1
<b>Total Remaining</b>		0.5

### 162023 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">03/24/16</a>	16-6006	Science	3.8	3.8	10.8	
<a href="#">05/12/16</a>	16-6019	Science	5.3	9.1	5.5	
<a href="#">05/18/16</a>	16-6020	Science	5	14.1	0.5	

Source URL: [https://espo.nasa.gov/aase/flight\\_reports/ER-2\\_806\\_03\\_24\\_16#comment-0](https://espo.nasa.gov/aase/flight_reports/ER-2_806_03_24_16#comment-0)

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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.*

### 152006 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">02/24/15</a>	15-6020	Science	4.4	4.4	10.6	