

ER-2 #806 06/07/17

Aircraft:

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

Flight Number:

17-6039

Payload Configuration:

AVIRIS-C and MASTER

Nav Data Collected:

Yes

Total Flight Time:

5.7 hours

Comments:

Took off at 1706 GMT; landing at 2251 GMT for a 5.7 hour mission. The pilot did not see any fail lights or have any issues with the AVIRIS-C and MASTER instruments. Instrument operations went as expected. Mono Lake was clear until the last 5 minutes ? clouds moved in quickly. The entire Yosemite Box was clear early during the flight. The plan was to fly the N-S Yosemite Box lines in a west to east direction because of incoming clouds from the NW. The middle lines of the box were extended for better overlap. On Line 45, there was a thin layer of mid- to high-level cirrus clouds. The far west 2 lines had little cirrus. The southern portion of the western lines were sky clear. The pilot noted a small fire with smoke in the Visalia area, at the south end of lines 35 and 36. The northern 50 miles of the Soda Straw line, cloud coverage was thin and at about 25%. The southern 75 miles, the sky was cloud free. Fifteen minutes before landing the MASTER team noted that the pod pressure and temperature dropped. It was thought that the pod may have a slow leak. During the mission debrief, it was agreed that the ER-2 would not fly again until the pod issue was resolved.

Submitted by:

Kevin Walsh on 06/12/17

Flight Segments:

From:	Palmdale, CA	To:	Palmdale, CA
Start:	06/07/17 17:06 Z	Finish:	06/07/17 22:51 Z
Flight Time:	5.7 hours		
Log Number:	172036	PI:	Robert Green
Funding Source:	Jack Kaye - NASA - SMD - ESD Director Research and Analysis		
Purpose of Flight:	Science		
Comments:	The purpose of the first HypsIRI-CA flight for FY17 was to fly the Yosemite Box plus the Soda Straw line.		

Flight Hour Summary:

	162034	172036
Flight Hours Approved in SOFRS	45	
Flight Hours Previously Approved		9.9
Total Used	35.1	46.6
Total Remaining		-36.7

172036 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
06/07/17	17-6039	Science	5.7	5.7	4.2	
06/09/17	17-6040	Science	3.1	8.8	1.1	
06/12/17 - 06/13/17	17-6041	Science	7.6	16.4	-6.5	
06/13/17	17-6042	Science	6.6	23	-13.1	
06/14/17	17-6043	Science	5.8	28.8	-18.9	
06/20/17	17-6044	Science	5.3	34.1	-24.2	
06/22/17	17-6045	Science	5.2	39.3	-29.4	
06/28/17	17-6047	Science	7.3	46.6	-36.7	

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Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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.

162034 Flight Reports						
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
06/09/16	16-6026	Science	4.7	4.7	40.3	
06/15/16	16-6027	Science	3	7.7	37.3	
06/16/16	16-6028	Science	7.6	15.3	29.7	
06/17/16	16-6029	Science	5.1	20.4	24.6	
06/20/16	16-6030	Science	6.6	27	18	
06/21/16	16-6031	Science	8.1	35.1	9.9	