

ER-2 #806 06/20/17

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

Flight Number: 17-6044

Payload Configuration: AVIRIS-C and MASTER

Nav Data Collected: Yes

Total Flight Time: 5.3 hours

Comments: Took off at 1716 GMT; landing at 2232 GMT for a 5.3 hour mission. Instrument operations were nominal from the pilot's perspective. Flew the Lake Tahoe Box first then the Soda Straw line. The pilot completed all of the lines. All Tahoe lines were sky clear except the north end of the last line where the pilot estimated 15% cloud cover – cumulus clouds were starting to develop. There was more haze in the sky than usual. The Soda Straw line was sky clear except the southern end where the pilot estimated 5% cloud cover. How the pilot set up the descent after completing the Soda Straw line saved between 0.2 and 0.3 flight hours. Flying the Lake Tahoe Box today was a good choice. Clouds/coastal fog were persistent in the Santa Barbara area which was not conducive for flying the SARP Santa Barbara box. Stu Broce was the pilot.

Submitted by: Kevin Walsh on 06/21/17

Flight Segments:

From:	Palmdale, CA	To:	Palmdale, CA
Start:	06/20/17 17:16 Z	Finish:	06/20/17 22:32 Z
Flight Time:	5.3 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 sixth HypsIRI-CA flight was to fly the Lake Tahoe Box plus Soda Straw.		

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	

Source URL: https://airbornescience.nasa.gov/flight_reports/ER-2_806_06_20_17#comment-0

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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
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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