

ER-2 #806 04/12/17

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

Flight Number: 17-6032

Payload Configuration: Solar Cell (PV) Instrument

Nav Data Collected: Yes

Total Flight Time: 2.2 hours

Comments: Takeoff at 1832 GMT; landing at 2044 GMT for a 2.2 hour mission. The pilot commented that everything appeared to work well with the PV instrument. The pilot burned some time to get to the target at the scheduled time. The pilot started the "money" line at 70,000 feet. The pilot commented that the biggest challenge was holding pitch to keep the sun-sight dot centered; keeping the sun-sight dot centered directionally was easy. The ER-2 pitch angle at this aircraft weight and speed is about 0 degrees. During the "money" line, to keep the sun-sight centered, the ER-2 drifted off of the planned flight path and the altitude dropped to about 63,500 feet. The pilot commented that he was able to keep the sun-sight dot very close to center during the entire "money" line. Today's flight appeared to be very successful. Dean "Gucci" Neeley was the pilot.

Submitted by: Kevin Walsh on 04/12/17

Flight Segments:

From:	Palmdale, CA	To:	Palmdale, CA
Start:	04/12/17 18:32 Z	Finish:	04/12/17 20:44 Z
Flight Time:	2.2 hours		
Log Number:	172026	PI:	Matthew Myers
Funding Source:	Michael Piszczor - NASA - GRC - CODE LEX Branch Chief		
Purpose of Flight:	Science		
Comments:	The purpose of the first FY17 flight of the solar cell (PV) instrument was to fly near 70,000 feet at solar noon. The data obtained will help standardize the measurement of solar cell performance for future space applications.		

Flight Hour Summary:

	162033	172026
Flight Hours Approved in SOFRS	8.6	6
Flight Hours Previously Approved		3.2
Total Used	5.4	10.8
Total Remaining		-1.6

172026 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
04/12/17	17-6032	Science	2.2	2.2	7	
04/14/17	17-6033	Science	1.9	4.1	5.1	
05/09/17	17-6035	Science	2.1	6.2	3	
05/11/17	17-6036	Science	1.4	7.6	1.6	
05/12/17	17-6037	Science	1.8	9.4	-0.2	
05/15/17	17-6038	Science	1.4	10.8	-1.6	

Source URL: https://airbornescience.nasa.gov/flight_reports/ER-2_806_04_12_17#comment-0

Page Last Updated: April 22, 2017

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.

162033 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
05/23/16	16-6022	Science	1.8	1.8	6.8	
05/24/16	16-6023	Science	1.8	3.6	5	

