

## ER-2 #806 05/09/17

**Aircraft:**

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

**Flight Number:**

17-6035

**Payload Configuration:**

Solar Cell (PV) Instrument

**Nav Data Collected:**

Yes

**Total Flight Time:**

2.1 hours

**Comments:**

The pilot didn't have any issues with the PV instrument. The mission was completed as planned. As during the previous PV flights, the pilot took off a little early and burned some time to get to the target at the scheduled time. The pilot started the data run at 69,900 feet. He arrived at the target a little early. The descent to 67,500 feet was a little faster than expected. The descent to 65,000 feet was shallower. The lowest altitude during the data run was 57,500 feet. The data run took about 20 minutes to complete.

**Submitted by:**

Kevin Walsh on 05/12/17

**Flight Segments:**

<b>From:</b>	Palmdale, CA	<b>To:</b>	Palmdale, CA
<b>Start:</b>	05/09/17 18:33 Z	<b>Finish:</b>	05/09/17 20:37 Z
<b>Flight Time:</b>	2.1 hours		
<b>Log Number:</b>	<a href="#">172026</a>	<b>PI:</b>	Matthew Myers
<b>Funding Source:</b>	Michael Piszczor - NASA - GRC - CODE LEX Branch Chief		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	The purpose of the third 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
<b>Flight Hours Approved in SOFRS</b>	8.6	6
<b>Flight Hours Previously Approved</b>		3.2
<b>Total Used</b>	5.4	10.8
<b>Total Remaining</b>		-1.6

**172026 Flight Reports**

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

**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/ER-2\\_806\\_05\\_09\\_17#comment-0](https://airbornescience.nasa.gov/flight_reports/ER-2_806_05_09_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**

<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="#">05/23/16</a>	16-6022	Science	1.8	1.8	6.8	
<a href="#">05/24/16</a>	16-6023	Science	1.8	3.6	5	
<a href="#">05/25/16</a>	16-6024	Science	1.8	5.4	3.2	