

## ER-2 #806 06/01/13

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

Flight Number: 13-6026

Payload Configuration: AVIRIS, MASTER, NAST-I, NAST-M, S-HIS

Nav Data Collected: Yes

Total Flight Time: 7.4 hours

Submitted by: Chris Miller on 06/03/13

### Flight Segments:

<b>From:</b>	PMD	<b>To:</b>	PMD
<b>Start:</b>	06/01/13 04:02 Z	<b>Finish:</b>	06/01/13 10:21 Z
<b>Flight Time:</b>	6.3 hours		
<b>Log Number:</b>	<a href="#">132007</a>	<b>PI:</b>	Allen Larar
<b>Funding Source:</b>	Allen Larar - NASA - SMD - ESD LaRC - Funding PI		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	The objective was night time coincidence with the SNPP satellite over the Gulf of California, and track underflight over Baja Mexico and the Pacific. The aircraft had an on-time take-off and captured the satellite overpass as planned in clear skies over the Gulf. Skies were also clear over the Baja section of the satellite track. The Pacific Ocean section was covered by a marine cloud layer. NAST-M and AVIRIS were powered on for heaters but did not take data. All other instruments functioned normally. This was the last flight of the SNPP Campaign. Plans for remaining flight hours are TBD.		

<b>From:</b>	PMD	<b>To:</b>	PMD
<b>Start:</b>	06/01/13 10:21 Z	<b>Finish:</b>	06/01/13 11:28 Z
<b>Flight Time:</b>	1.1 hours		
<b>Log Number:</b>	<a href="#">132003</a>	<b>PI:</b>	Robert Green
<b>Funding Source:</b>	Woody Turner - NASA - SMD - ESD Biological Diversity		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	Night data was gathered by MASTER over the Southern California study region for the HypsIRI Mission. Also, the "Powerhouse" fire near Palmdale was flown over twice as a target of opportunity for the HypsIRI Mission. Skies were clear over the fire, but the pilot estimated 30% cloud cover over the So. Cal. MASTER lines.		

### Flight Hour Summary:

	122025	132007	142011	152028
<b>Flight Hours Approved in SOFRS</b>		75		
<b>Flight Hours Previously Approved</b>			4.6	4.6
<b>Total Used</b>	0	70.4	0	0
<b>Total Remaining</b>				4.6

### 132007 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">05/07/13 - 05/08/13</a>	13-9043	Science	6.1	6.1	68.9	
<a href="#">05/10/13</a>	13-9044	Science	5.7	11.8	63.2	
<a href="#">05/15/13</a>	13-9045	Science	7.4	19.2	55.8	
<a href="#">05/16/13</a>	13-9046	Science	6.7	25.9	49.1	
<a href="#">05/18/13</a>	13-6019	Science	6.1	32	43	
<a href="#">05/20/13</a>	13-6020	Science	8.2	40.2	34.8	
<a href="#">05/23/13</a>	13-6022	Science	5.3	45.5	29.5	
<a href="#">05/24/13</a>	13-6023	Science	6.6	52.1	22.9	
<a href="#">05/30/13</a>	13-6024	Science	5.5	57.6	17.4	
<a href="#">05/31/13</a>	13-6025	Science	6.5	64.1	10.9	

[06/01/13](#) 13-6026 Science 6.3 70.4 4.6

**142008 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">10/31/13</a>	14-9002	Science	4.4	4.4	9.5	
<a href="#">11/05/13</a>	14-9003	Science	5.7	10.1	3.8	
<a href="#">11/17/13</a>	14-9005	Science	2.8	12.9	1	

**132003 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">04/10/13</a>	13-9037	Science	6.5	6.5	93.5	
<a href="#">04/11/13</a>	13-9036	Science	5.7	12.2	87.8	
<a href="#">04/12/13</a>	13-9039	Science	8.5	20.7	79.3	
<a href="#">04/19/13</a>	13-9040	Science	7.6	28.3	71.7	
<a href="#">05/02/13</a>	13-9041	Science	4.4	32.7	67.3	
<a href="#">05/03/13</a>	13-9042	Science	4.3	37	63	
<a href="#">05/22/13 - 05/23/13</a>	13-6021	Science	7.6	44.6	55.4	
<a href="#">06/01/13</a>	13-6026	Science	1.1	45.7	54.3	
<a href="#">06/04/13</a>	13-6027	Science	4.7	50.4	49.6	
<a href="#">06/06/13 - 06/07/13</a>	13-6028	Science	6.7	57.1	42.9	
<a href="#">06/07/13</a>	13-6029	Science	6.7	63.8	36.2	
<a href="#">06/10/13</a>	13-6030	Science	1.5	65.3	34.7	
<a href="#">06/26/13</a>	13-6037	Science	4.9	70.2	29.8	
<a href="#">09/13/13</a>	13-6045	Science	2.6	72.8	27.2	
<a href="#">09/19/13</a>	13-6048	Science	5.7	78.5	21.5	
<a href="#">09/24/13</a>	13-6049	Science	7.6	86.1	13.9	

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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.*

	112005	122003	132003	142008
<b>Flight Hours Approved in SOFRS</b>			100	
<b>Flight Hours Previously Approved</b>				13.9
<b>Total Used</b>	0	0	86.1	12.9
<b>Total Remaining</b>				1