

## ER-2 #806 01/26/17

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

**Flight Number:** 17-6012

**Payload Configuration:** AVIRIS-C, MASTER, HyTES

**Nav Data Collected:** Yes

**Total Flight Time:** 2.4 hours

**Comments:** Comments: Brad Neal, NASA AFRC's Chief Engineer, gave his approval for one more engineering checkout flight of the HyTES instrument. Unfortunately, the HyTES instrument was unsuccessful again. HyTES went into safe mode less than 1 hour into the flight. Apparently, HyTES has a new problem. The HyTES imager stopped working during pre-flight today. ER-2 avionics techs found a loose pin in the connector harness and fixed it the best they could. The lead avionics tech was doubtful it would last the flight. However, he's not sure if this is the reason why HyTES went into "safe mode". This was the second pin in the connector harness that was found to be loose this past week. After the flight, the HyTES scan-head was removed and ballast was added for the next science mission.

**Submitted by:** Kevin Walsh on 01/26/17

### Flight Segments:

<b>From:</b>	MCAS Kaneohe Bay, HI	<b>To:</b>	MCAS Kaneohe Bay, HI
<b>Start:</b>	01/26/17 05:04 Z	<b>Finish:</b>	01/26/17 07:28 Z
<b>Flight Time:</b>	2.4 hours		
<b>Log Number:</b>	<a href="#">172032</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>	Purpose of Flight: To conduct a night flight for the 2nd science mission for the HypIRI Tropics deployment. The target was the Mauna Loa volcano. Also conducted another engineering checkout flight of the HyTES instrument.		

### Flight Hour Summary:

	162013	172032
<b>Flight Hours Approved in SOFRS</b>	90	
<b>Flight Hours Previously Approved</b>		90
<b>Total Used</b>	0	65.3
<b>Total Remaining</b>		24.7

### 172032 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">01/17/17 - 01/18/17</a>	17-6010	Transit	6.8	6.8	83.2	
<a href="#">01/19/17</a>	17-6011	Science	3.2	10	80	
<a href="#">01/26/17</a>	17-6012	Science	2.4	12.4	77.6	
<a href="#">01/27/17</a>	17-6013	Science	2.1	14.5	75.5	
<a href="#">01/27/17</a>	17-6014	Science	3.9	18.4	71.6	
<a href="#">01/29/17</a>	17-6015	Science	2.6	21	69	
<a href="#">02/02/17</a>	17-6016	Science	3.5	24.5	65.5	
<a href="#">02/03/17 - 02/04/17</a>	17-6017	Science	4.8	29.3	60.7	
<a href="#">02/07/17 - 02/08/17</a>	17-6018	Science	2.1	31.4	58.6	
<a href="#">02/08/17</a>	17-6019	Science	3.2	34.6	55.4	
<a href="#">02/09/17</a>	17-6020	Science	3.6	38.2	51.8	
<a href="#">02/10/17</a>	17-6021	Science	2.8	41	49	
<a href="#">02/12/17</a>	17-6022	Science	0.6	41.6	48.4	
<a href="#">02/21/17 - 02/22/17</a>	17-6023	Science	5	46.6	43.4	
<a href="#">02/22/17</a>	17-6024	Science	2.7	49.3	40.7	
<a href="#">02/23/17</a>	17-6025	Science	3	52.3	37.7	

<a href="#">02/24/17</a>	17-6026	Science	5.4	57.7	32.3
<a href="#">03/03/17 - 03/04/17</a>	17-6027	Transit	7.6	65.3	24.7

**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/ER-2\\_806\\_01\\_26\\_17#comment-0](https://airbornescience.nasa.gov/flight_reports/ER-2_806_01_26_17#comment-0)

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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.*

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