

ER-2 #806 01/27/17

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

Flight Number: 17-6013

Payload Configuration: AVIRIS-C, MASTER, HyTES

Nav Data Collected: Yes

Total Flight Time: 2.1 hours

Comments: The takeoff time was delayed for one hour because of an ER-2 electrical issue. The INMARSAT and instrument panel breaker kept getting tripped during pre-flight. It was determined that a wire was crimped behind the science panel. The ER-2 avionics techs fixed it and we were able to proceed with the mission. Flying the first volcano line, the entire perimeter of the volcano was covered in clouds. For the trade-wind line, it was estimated that the sky was only 5% clear. At the end of both lines, Dean said he could see the ground. The buoy line was very clear – flew two runs. The low-altitude calibration run was flown at 3280 feet. Dean said he was flying directly into the sun.

Submitted by: Kevin Walsh on 01/26/17

Flight Segments:

From:	MCAS Kaneohe Bay, HI	To:	MCAS Kaneohe Bay, HI
Start:	01/27/17 00:59 Z	Finish:	01/27/17 03:03 Z
Flight Time:	2.1 hours		
Log Number:	172032	PI:	Robert Green
Funding Source:	Woody Turner - NASA - SMD - ESD Biological Diversity		
Purpose of Flight:	Science		
Comments:	Purpose of Flight: To conduct a day flight for the 3rd science mission of the campaign. The primary targets were trade wind lines over Kona and a low-altitude calibration line for AVIRIS over the Marine Corps Base Hawaii.		

Flight Hour Summary:

	162013	172032
Flight Hours Approved in SOFRS	90	
Flight Hours Previously Approved		90
Total Used	0	65.3
Total Remaining		24.7

172032 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
01/17/17 - 01/18/17	17-6010	Transit	6.8	6.8	83.2	
01/19/17	17-6011	Science	3.2	10	80	
01/26/17	17-6012	Science	2.4	12.4	77.6	
01/27/17	17-6013	Science	2.1	14.5	75.5	
01/27/17	17-6014	Science	3.9	18.4	71.6	
01/29/17	17-6015	Science	2.6	21	69	
02/02/17	17-6016	Science	3.5	24.5	65.5	
02/03/17 - 02/04/17	17-6017	Science	4.8	29.3	60.7	
02/07/17 - 02/08/17	17-6018	Science	2.1	31.4	58.6	
02/08/17	17-6019	Science	3.2	34.6	55.4	
02/09/17	17-6020	Science	3.6	38.2	51.8	
02/10/17	17-6021	Science	2.8	41	49	
02/12/17	17-6022	Science	0.6	41.6	48.4	
02/21/17 - 02/22/17	17-6023	Science	5	46.6	43.4	
02/22/17	17-6024	Science	2.7	49.3	40.7	
02/23/17	17-6025	Science	3	52.3	37.7	
02/24/17	17-6026	Science	5.4	57.7	32.3	

[03/03/17 -](#)
[03/04/17](#)

17-6027 Transit

7.6

65.3

24.7

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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.
