ER-2 #806 02/10/17

Aircraft: ER-2 - AFRC #806 (See full schedule)
Flight Number: 17-6021
Payload Configuration: AVIRIS-C, MASTER, HyTES
Nav Data Collected: Yes
Total Flight Time: 2.8 hours
Comments: Takeoff at 0845; Landing at 1136 for a 2.8 hour mission. Stu said it was a race to beat the clouds moving in from the northwest. Completed the following lines with percent cloud cover. All lines with clouds had thin high clouds. Line 33: 25% clouds; L32: 0% (sky clear); L31: 20% clouds; L30: 5% clouds. Stu had some problems with the airplane. Cabin pressure was fluctuating. Stu descended down to 28k feet to fly the cal line. The MASTER instrument was left on during the cal line. The cal line was flown twice: 1st line: 20% clouds; 2nd line: 0% clouds middle of the line. Turns out, this was all the science that could be done today. The clouds were moving in quickly. There was a little turbulence at the usual location. Stu Broce was the pilot.
Submitted by: Kevin Walsh on 02/10/17
Flight Segments:

From:	MCAS Kaneohe Bay, HI	**To:**	MCAS Kaneohe Bay, HI
Start:	02/10/17 18:45 Z	**Finish:**	02/10/17 21:36 Z
Flight Time:	2.8 hours		
Log Number:	172032	**PI:**	Robert Green
Funding Source:	Woody Turner - NASA - SMD - ESD Biological Diversity		
Purpose of Flight:	Science		
Comments:	Purpose: The 11th flight was a day flight to Big Island Coral, Kona Winds NS (12,13,14) and EW (18,19,20,21), and the Cal Line over the big island.		

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.