

ER-2 #806 03/03/17 - 03/04/17

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

Flight Number: 17-6027

Payload Configuration: AVIRIS-C, MASTER, HyTES

Nav Data Collected: Yes

Total Flight Time: 7.6 hours

Comments: Takeoff at 1846Z; Landing at 0222Z for a 7.6 hour flight. The final flight of the HypsIRI Tropics deployment flew a 28k-ft calibration line over K-Bay and Coconut Island (cloud free), a couple of volcano lines over the Big Island (25%-30% cloud coverage), then flew home to Palmdale, CA. During the calibration line, Greg said that the ER-2 was flying at about 25 deg crab angle because of the cross-winds. For the west volcano line Greg couldn't hold 170 knot ground speed because of a 60-70 knot tailwind – couldn't get slower than 220 knots. For the east volcano line Greg was able to hold 170 knots. Greg (Coach) Nelson was the pilot.

Submitted by: Kevin Walsh on 03/07/17

Flight Segments:

From:	MCAS Kaneohe Bay, HI	To:	Palmdale, CA
Start:	03/03/17 18:46 Z	Finish:	03/04/17 02:22 Z
Flight Time:	7.6 hours		
Log Number:	172032 - Completed as of this flight.	PI:	Robert Green
Funding Source:	Woody Turner - NASA - SMD - ESD Biological Diversity		
Purpose of Flight:	Transit		
Comments:	Purpose: The final flight (#17) of the HypsIRI Tropics deployment will fly a calibration line over Kaneohe Bay/Coconut Island, a couple of volcano lines over the Big Island, then fly home to Palmdale, CA		

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

Source URL: https://airbornescience.nasa.gov/flight_reports/ER-2_806_03_03_17_-_03_04_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.
