

ER-2 #809 09/10/16

Aircraft: [ER-2 - AFRC #809](#) ([See full schedule](#))

Flight Number: 16-9053

Payload Configuration: ORACLES - AirMSPI, HSRL-2, SSFR, RSP, eMAS, APS

Nav Data Collected: Yes

Archive Data: [20160910](#) (6 binary files; 4 archive (plain-text) files)

Total Flight Time: 6.3 hours

Comments: Take-off at 0706Z (0906L), landing at 1326Z (1526L) for total duration of 6.3 hours. This was the first Science flight based at Walvis Bay (FYWB), Namibia in support of ORACLES Campaign. After take-off, it was determined that HSRL-2 was not cooling effectively. After numerous attempts to reset and resolve the issue, it was decided to gather data without HSRL-2 working, but RTB early to allow time to trouble-shoot issue.

Submitted by: Michael Thomson on 09/13/16

Flight Segments:

From:	FYWB	To:	FYWB
Start:	09/10/16 07:06 Z	Finish:	09/10/16 13:26 Z
Flight Time:	6.3 hours		
Log Number:	162008	PI:	Jens Redemann
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		

Flight Hour Summary:

	162008	172025
Flight Hours Approved in SOFRS	142	
Flight Hours Previously Approved		21
Total Used	121	17.9
Total Remaining		3.1

172025 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/03/16	17-9001	Transit	9.7	9.7	11.3	
10/06/16	17-9002	Transit	4.9	14.6	6.4	
10/27/16	17-9003	Science	3.3	17.9	3.1	

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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.

162008 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
07/28/16	16-9048	Check	4.1	4.1	137.9	
08/03/16	16-9049	Check	4.1	8.2	133.8	
08/19/16	16-9050	Transit	5	13.2	128.8	
08/23/16	16-9051	Transit	10.5	23.7	118.3	
08/26/16	16-9052	Transit	7.9	31.6	110.4	
09/10/16	16-9053	Science	6.3	37.9	104.1	
09/12/16	16-9054	Science	8.7	46.6	95.4	
09/14/16	16-9055	Science	8.1	54.7	87.3	
09/17/16	16-9056	Science	7.7	62.4	79.6	

09/18/16	16-9057	Science	8.5	70.9	71.1
09/20/16	16-9058	Science	7.7	78.6	63.4
09/22/16	16-9059	Science	7.9	86.5	55.5
09/24/16	16-9060	Science	8	94.5	47.5
09/25/16	16-9061	Science	8.7	103.2	38.8
09/27/16	16-9062	Science	9.2	112.4	29.6
09/29/16	16-9063	Transit	8.6	121	21