

DC-8 07/26/16 - 07/27/16

Aircraft: [DC-8 - AFRC](#) (See full schedule)

Flight Number: 1119

Payload Configuration: ATom-1 Configuration

Nav Data Collected: Yes

Archive Data: [20160726](#) (39 archive (plain-text) files; 3 binary files; 2 image files)

Total Flight Time: 6.5 hours

Submitted by: Timothy Moes on 07/28/16

Flight Segments:

From:	KPMD	To:	KPMD
Start:	07/26/16 19:10 Z	Finish:	07/27/16 01:41 Z
Flight Time:	6.5 hours		
Log Number:	168002	PI:	Steven Wofsy
Funding Source:	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
Purpose of Flight:	Check		
Comments:	The flight was very successful for science. This included 4 vertical profiles, MMS maneuvers, and 3 sets of low, cruise, & high speed runs. After a quick learning curve, we had good success using CPDLC with Oceanic ATC getting IFR block altitudes and leaving and re-entering IFR controlled airspace at the lower altitudes. The hum from the TOGA instrument was still apparent although at slightly different flight conditions for this case with the aft body removed. The aircraft and science instruments returned in good shape.		

Flight Hour Summary:

	168002
Flight Hours Approved in SOFRS	104.1
Total Used	107.5
Total Remaining	-3.4

168002 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
07/11/16	1113	Check	1.5	1.5	102.6	
07/12/16	1114	Check	3.9	5.4	98.7	
07/18/16	1116	Check	1.4	6.8	97.3	
07/19/16	1117	Check	1.1	7.9	96.2	
07/20/16	1118	Check	1	8.9	95.2	
07/26/16 - 07/27/16	1119	Check	6.5	15.4	88.7	
07/28/16	1120	Check	0.8	16.2	87.9	
07/29/16	1121	Science	9.4	25.6	78.5	
08/01/16 - 08/02/16	1122	Science	10.2	35.8	68.3	
08/03/16 - 08/04/16	1123	Science	7.3	43.1	61	
08/06/16 - 08/07/16	1124	Science	8.6	51.7	52.4	
08/08/16 - 08/09/16	1125	Science	6.6	58.3	45.8	
08/12/16 - 08/13/16	1126	Science	10.6	68.9	35.2	
08/15/16	1127	Science	9.4	78.3	25.8	
08/17/16	1128	Science	8.5	86.8	17.3	
08/20/16	1129	Science	9.8	96.6	7.5	
08/22/16	1130	Science	6	102.6	1.5	

[08/23/16](#)

1131

Science

4.9

107.5

-3.4

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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