

DC-8 07/18/16

Aircraft:

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

Flight Number:

1116

Payload Configuration:

ATom-1 Configuration

Nav Data Collected:

No

Total Flight Time:

1.4 hours

Submitted by:

Timothy Moes on 07/20/16

Flight Segments:

From:	KPMD	To:	KPMD
Date:	07/18/16		
Flight Time:	1.4 hours		
Log Number:	168002	PI:	Steven Wofsy
Funding Source:	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
Purpose of Flight:	Check		
Comments:	<p>This was a troubleshooting flight as we try to understand the unknown cause of an unwanted vibration. We had tightened the upper inboard SAGA inlet leading edge. This required drilling and installing new set screw to repair the leading edge component that was loose and the suspected source of vibration. The vibration did return. However, it was diminished in amplitude and basically only occurred when at bank angles greater than 20 deg and at higher altitudes (approx 35kft). These flight vibration characteristics were significantly different than on the previous flights where the vibration occurred at wings level conditions. The aircraft returned in good condition although #2 thrust reverser did not deploy on landing.</p>		

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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