

## DC-8 09/28/17 - 09/29/17

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

Flight Number: 1222

Payload Configuration: ATom-3 configuration - AMP, AO2, ARMAS, ATHOS, CAFE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-CIMS, ISAF, Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SAGA, SP2, TOGA, UC

Nav Data Collected: Yes

Archive Data: [20170928](#) (84 archive (plain-text) files; 7 binary files)

Total Flight Time: 10.3 hours

Submitted by: Timothy Moes on 09/29/17

### Flight Segments:

<b>From:</b>	KPMD	<b>To:</b>	KPMD
<b>Start:</b>	09/28/17 14:36 Z	<b>Finish:</b>	09/29/17 00:53 Z
<b>Flight Time:</b>	10.3 hours		
<b>Log Number:</b>	<a href="#">178015</a> - Completed as of this flight.	<b>PI:</b>	Steven Wofsy
<b>Funding Source:</b>	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	ATom-3 Science Flight RF01 Equator Flight KPMD-KPMD. This flight consisted of a high altitude cruise to near the equator. The first of 4 vertical profile maneuvers was started southbound and included 10 minutes of level flight 500 ft AGL over the ocean. Three additional VPMS to 500 ft AGL for 5 minutes each were flown heading North. Some maneuvering around high clouds was required in the Inter Tropical Convergence Zone. The science payload did well. EMI did not appear on VHF#2. The aircraft returned in good shape.		

### Flight Hour Summary:

	<b>178015</b>
<b>Flight Hours Approved in SOFRS</b>	16.5
<b>Total Used</b>	21.4
<b>Total Remaining</b>	-4.9

### 178015 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">09/12/17</a>	1217	Maintenance	1.1	1.1	15.4	
<a href="#">09/14/17</a>	1219	Check	4.3	5.4	11.1	
<a href="#">09/26/17</a>	1221	Check	5.7	11.1	5.4	
<a href="#">09/28/17 - 09/29/17</a>	1222	Science	10.3	21.4	-4.9	

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.

### Related Science Report:

## ATom - DC-8 09/28/17 Science Report

**Mission:** ATom

**Mission Summary:**

Science report for ATom-3 PMD-PMD flight

**File:**

 [PMD-PMD Report draft.pdf](#)

**Submitted by:** Erin Czech on 05/30/18

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NASA Official: Marilyn Vasques

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