

## DC-8 09/26/17

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

Flight Number: 1221

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: [20170926](#) (46 archive (plain-text) files; 3 binary files; 1 image file)

Total Flight Time: 5.7 hours

Submitted by: Timothy Moes on 09/29/17

### Flight Segments:

<b>From:</b>	KPMD	<b>To:</b>	KPMD
<b>Start:</b>	09/26/17 17:11 Z	<b>Finish:</b>	09/26/17 22:55 Z
<b>Flight Time:</b>	5.7 hours		
<b>Log Number:</b>	<a href="#">178015</a>	<b>PI:</b>	Steven Wofsy
<b>Funding Source:</b>	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
<b>Purpose of Flight:</b>	Check		
<b>Comments:</b>	ATom-3 science checkflight #2. One hour and 11 minute takeoff delay required to swap a MFD config box in the cockpit. This flight consisted of three low approaches over airfields in Raton, NM (KRTN), Hays, KS (KHYS), and Broomfield, CO (KBJC). Successful speed runs were obtained at 35kft and 38kft. MMS maneuvers at 10kft and 5 minutes of level flight at 1000 ft AGL were also accomplished. 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 09/26/17 Science Report

**Mission:** ATom

**Mission Summary:**

TF2 Science Flight Report for ATom-3

**File:**

 [TF2 Report draft.pdf](#)

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

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Marilyn Vasques

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