

ATom - DC-8 09/26/17 Science Report

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

Date: Tuesday, September 26, 2017

Mission: ATom

Mission Summary:

TF2 Science Flight Report for ATom-3

Submitted by: Erin Czech on 05/30/18

File:

 [TF2 Report draft.pdf](#)

Related Flight Report:

DC-8 09/26/17

Flight Number: 1221

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

Nav Data Collected: Yes

Total Flight Time: 5.7 hours

Archive Data: [20170926](#) (46 archive (plain-text) files; 3 binary files)

Submitted by: Timothy Moes on 09/29/17

Flight Segments:

From:	KPMD	To:	KPMD
Start:	09/26/17 17:11 Z	Finish:	09/26/17 22:55 Z
Flight Time:	5.7 hours		
Log Number:	178015	PI:	Steven Wofsy
Funding Source:	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
Purpose of Flight:	Check		
Comments:	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:

	178015
Flight Hours Approved in SOFRS	16.5
Total Used	21.4
Total Remaining	-4.9

178015 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
09/12/17	1217	Maintenance	1.1	1.1	15.4	
09/14/17	1219	Check	4.3	5.4	11.1	
09/26/17	1221	Check	5.7	11.1	5.4	
09/28/17 - 09/29/17	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.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

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