

DC-8 09/14/17

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

Flight Number: 1219

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: [20170914](#) (50 archive (plain-text) files; 3 binary files; 1 image file)

Total Flight Time: 4.3 hours

Submitted by: Timothy Moes on 09/29/17

Flight Segments:

From:	KPMD	To:	KPMD
Date:	09/14/17		
Flight Time:	4.3 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 #1. This flight included low-level flying (500 ft AGL) above the ocean and the eddy flux maneuver (5 mins at 500 ft, 1000 ft, and 1500 ft above the ocean). It also included low-level flying (1000 ft AGL) above Central valley. The flight consisted of two vertical profile maneuvers (VPM) from high-to-low-to-high to simulate typical ATom flight profiles. An MMS maneuver was also conducted at 1500 ft. The science payload did well. EMI did appear again 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.

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