

DC-8 04/13/18 - 04/14/18

Aircraft:

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

Flight Number:

1252

Payload Configuration:

ATom-4 configuration - AMP, AO2, ARMAS, ATHOS, CANOE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-CIMS, HR-AMS, ISAF, Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SAGA, SO2, SOAP, SP2, TOGA, UCATS, WAS

Nav Data Collected:

Yes

Archive Data:

[20180413](#) (4 binary files; 39 archive (plain-text) files)

Total Flight Time:

7.9 hours

Submitted by:

Timothy Moes on 04/18/18

Flight Segments:

| | | | |
|---------------------------|--|----------------|------------------|
| From: | KPMD | To: | KPMD |
| Start: | 04/13/18 16:23 Z | Finish: | 04/14/18 00:15 Z |
| Flight Time: | 7.9 hours | | |
| Log Number: | 188004 | PI: | Steven Wofsy |
| Funding Source: | Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager | | |
| Purpose of Flight: | Check | | |
| Comments: | ATom-4 science checkflight #2. Flight delayed one day due to high winds at KPMD on planned April 12 mission. Late takeoff due to wind switching direction during taxi. Takeoff occurred on Runway 07 instead of 25. Successful speed runs were obtained at 32kft and 41kft. A "stacked" flux maneuver was accomplished at 500 ft, 1000 ft, and 1500 ft radar altitude above the ocean. An MMS maneuver set was accomplished at 20kft. Three vertical profile maneuvers were accomplished over the ocean. A successful flight. The aircraft and science payload did well. | | |

Flight Hour Summary:

| | |
|---------------------------------------|---------------|
| | 188004 |
| Flight Hours Approved in SOFRS | 122.2 |
| Total Used | 133.2 |
| Total Remaining | -11 |

188004 Flight Reports

| Date | Flt # | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|-------------------------------------|-------|-------------------|----------|---------------|-----------------|-------------|
| 04/06/18 | 1249 | Check | 3.6 | 3.6 | 118.6 | |
| 04/10/18 - 04/11/18 | 1251 | Check | 5 | 8.6 | 113.6 | |
| 04/13/18 - 04/14/18 | 1252 | Check | 7.9 | 16.5 | 105.7 | |
| 04/24/18 - 04/25/18 | 1253 | Science | 9.5 | 26 | 96.2 | |
| 04/26/18 | 1254 | Check | 2.1 | 28.1 | 94.1 | |
| 04/27/18 - 04/28/18 | 1255 | Science | 10.3 | 38.4 | 83.8 | |
| 04/29/18 - 04/30/18 | 1256 | Science | 8.1 | 46.5 | 75.7 | |
| 05/01/18 - 05/02/18 | 1257 | Science | 8.2 | 54.7 | 67.5 | |
| 05/03/18 - 05/04/18 | 1258 | Science | 7.9 | 62.6 | 59.6 | |

| | | | | | |
|-------------------------------------|------|---------|------|-------|------|
| 05/06/18 - 05/07/18 | 1259 | Science | 10.2 | 72.8 | 49.4 |
| 05/09/18 | 1260 | Science | 10.7 | 83.5 | 38.7 |
| 05/12/18 | 1261 | Science | 10 | 93.5 | 28.7 |
| 05/14/18 | 1262 | Science | 9.4 | 102.9 | 19.3 |
| 05/17/18 | 1263 | Science | 9.7 | 112.6 | 9.6 |
| 05/18/18 | 1264 | Science | 3.2 | 115.8 | 6.4 |
| 05/19/18 - 05/20/18 | 1265 | Science | 10.6 | 126.4 | -4.2 |
| 05/21/18 | 1266 | Science | 6.8 | 133.2 | -11 |

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

NASA Official: Marilyn Vasques

Source URL: https://espo.nasa.gov/atom/flight_reports/DC-8_04_13_18_-_04_14_18#comment-0