

## DC-8 10/20/17

**Aircraft:**

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

**Flight Number:**

1231

**Payload Configuration:**

ATom-3 configuration - AMP, AO2, ARMAS, ATHOS, CAFE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-CIMS, HR-AMS, ISAF, Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SAGA, SP2, TOGA, UCATS, WAS

**Nav Data Collected:**

Yes

**Archive Data:**

[20171020](#) (80 archive (plain-text) files; 4 binary files)

**Total Flight Time:**

7.7 hours

**Comments:**

ATom-3 Science Flight RF10 GVAC-LPLA. This flight was shortened distance-wise in the morning due to weather on the route. This flight included 5 vertical profile maneuvers (VPM) as re-planned. Due to extra fuel available since the flight distance was reduced, two eddy flux maneuvers and an MMS maneuver at 29kft were added. The 2nd eddy flux maneuver was a 4 leg wall at 500', 1000', just below the cloud deck at ~1300', and just above the cloud deck at ~2400'. The science instruments did very well and it was a very successful science flight. The aircraft arrived at Lajes in good shape although HF#2 was still inoperative and plans to troubleshoot at Lajes.

**Submitted by:**

Timothy Moes on 10/22/17

**Flight Segments:**

<b>From:</b>	GVAC - Amilcar Cabral Intn'l Airport (Cabo Verde)	<b>To:</b>	LPLA - Lajes Airfield
<b>Start:</b>	10/20/17 09:18 Z	<b>Finish:</b>	10/20/17 16:59 Z
<b>Flight Time:</b>	7.7 hours		
<b>Log Number:</b>	<a href="#">188001</a>	<b>PI:</b>	Steven Wofsy
<b>Funding Source:</b>	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
<b>Purpose of Flight:</b>	Science		

**Flight Hour Summary:**

	<b>188001</b>
<b>Flight Hours Approved in SOFRS</b>	107.6
<b>Total Used</b>	103.5
<b>Total Remaining</b>	4.1

**188001 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">10/01/17 - 10/02/17</a>	1223	Science	10	10	97.6	
<a href="#">10/04/17 - 10/05/17</a>	1224	Science	7.4	17.4	90.2	
<a href="#">10/06/17 - 10/07/17</a>	1225	Science	8.9	26.3	81.3	
<a href="#">10/09/17 - 10/10/17</a>	1226	Science	9.2	35.5	72.1	
<a href="#">10/12/17 - 10/13/17</a>	1227	Science	9.9	45.4	62.2	
<a href="#">10/14/17</a>	1228	Science	10.7	56.1	51.5	
<a href="#">10/17/17</a>	1229	Science	9.5	65.6	42	
<a href="#">10/19/17</a>	1230	Science	4.6	70.2	37.4	
<a href="#">10/20/17</a>	1231	Science	7.7	77.9	29.7	
<a href="#">10/23/17</a>	1232	Science	9.5	87.4	20.2	
<a href="#">10/25/17</a>	1233	Science	9.6	97	10.6	

[10/27/17 - 10/28/17](#)

1234

Science

6.5

103.5

4.1

*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 10/20/17 Science Report

**Mission:**

ATom

**Mission Summary:**

GVAC-LPLA ATom III Report

**File:**

[GVAC-LPLA ATom III Report.pdf](#)

**Submitted by:**

Erin Czech on 05/29/18

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