

## DC-8 10/17/17

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

**Flight Number:** 1229

**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:** [20171017](#) (81 archive (plain-text) files; 4 binary files)

**Total Flight Time:** 9.5 hours

**Comments:** ATom-3 Science Flight RF08 SCCI-FHAW. This flight included 5 vertical profile maneuvers out of a planned 3. The flight concluded with a spiral down maneuver from 41kft over Ascension Island to correlate with a TCCON ground site. During the spiral maneuver, at 10kft, the aircraft flew level for 5 minutes to sample a layer of pollution from African biomass burning. CPDLC was not available for this flight due to a mostly system-wide outage. HF#1 radio was not working, so all oceanic ATC communication was done with HF#2 radio. Other than that, the aircraft arrived at Ascension in good shape. Troubleshooting of HF radio is planned for Ascension. Science instruments did well and it was a very successful science mission.

**Submitted by:** Timothy Moes on 10/22/17

### Flight Segments:

<b>From:</b>	SCCI - Punta Arenas International	<b>To:</b>	FHAW - Ascension Auxiliary Airfield
<b>Start:</b>	10/17/17 09:57 Z	<b>Finish:</b>	10/17/17 19:25 Z
<b>Flight Time:</b>	9.5 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	
<a href="#">10/27/17 - 10/28/17</a>	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 10/17/17 Science Report

**Mission:** ATom

**Mission Summary:**

PUQ-ASI ATom III Report

**File:**



[PUQ-ASI ATom III Report.pdf](#)

**Submitted by:** Erin Czech on 05/29/18

Page Last Updated: April 22, 2017

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