

DC-8 05/09/18

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

Flight Number: 1260

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

Nav Data Collected: Yes

Archive Data: [20180509](#) (83 archive (plain-text) files; 4 binary files)

Total Flight Time: 10.7 hours

Comments: ATom-4 science flight RF07. This flight was based out of Punta Arenas, Chile and was an atmospheric science survey south of Punta Arenas and over Antarctica. This highly successful mission included 6 vertical profiles (two more than planned) and included a spiral climb at 86 deg S latitude to 37kft. One science instrument was inop for the flight. The science team will try to get the instrument replaced. The aircraft had one writeup for a faulty fuel quantity gage.

Submitted by: Timothy Moes on 05/09/18

Flight Segments:

From:	SCCI - Punta Arenas	To:	SCCI - Punta Arenas
Start:	05/09/18 11:53 Z	Finish:	05/09/18 22:38 Z
Flight Time:	10.7 hours		
Log Number:	188004	PI:	Steven Wofsy
Funding Source:	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
Purpose of Flight:	Science		

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 -	1265	Science	10.6	126.4	-4.2
05/20/18					
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.

Related Science Report:

ATom - DC-8 05/09/18 Science Report

Mission: ATom

Mission Summary:

Science Flight Report -- 20180509 PUQ - PUQ Antarctica RT

File:

 [Flt07_ATom_Antarctic_20180509_Report.pdf](#)

Submitted by: Erin Czech on 05/29/18

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

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Source URL: https://espo.nasa.gov/atom/flight_reports/DC-8_05_09_18#comment-0