

## DC-8 01/31/18

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

Flight Number: 1245

Payload Configuration: NDMAX Configuration - DLR H2O (CR2 WARAN), DLR OPC, DLR PMS, ERICA, LARGE, LARGE-AMS, PTR-M viewing video cameras and piggybacking ARMAS & TinMan. CAPS and CPSPD cannister probes not installed in #2 position as do not yet have RVSM certi

Nav Data Collected: Yes

Total Flight Time: 5.6 hours

Submitted by: Timothy Moes on 02/04/18

### Flight Segments:

<b>From:</b>	ETAR - Ramstein Air Base	<b>To:</b>	ETAR - Ramstein Air Base
<b>Start:</b>	01/31/18 09:52 Z	<b>Finish:</b>	01/31/18 15:28 Z
<b>Flight Time:</b>	5.6 hours		
<b>Log Number:</b>	<a href="#">188007</a>	<b>PI:</b>	Bruce Anderson
<b>Funding Source:</b>	Jay Dryer - NASA - ARMD - Director of Advanced Air Vehicles Program		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	DC-8 flew solo today (i.e. without the DLR ATRA A320) for an "aged contrail" flight. We had a dedicated ATC controller to assist us in sampling behind commercial aircraft. We had four very successful sampling runs and one very short sampling prior to the lead aircraft starting a descent. We obtained data behind 737-800, A320 NEO, A321, A319-100 (small sample time), and A320 NEO. Sampling significantly aided by real-time "bread crumb" contrail position predictions. We also obtained data in Cirrus clouds that include hits from aged contrails. On the return home we overflew a RADAR site on our route at FL140 and then we were RTB. Aircraft and science instruments returned in good shape.		

### Flight Hour Summary:

	178009	188007
<b>Flight Hours Approved in SOFRS</b>		80
<b>Total Used</b>	0	76.6
<b>Total Remaining</b>		3.4

### 188007 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">01/09/18</a>	1235	Check	3.1	3.1	76.9	
<a href="#">01/10/18 - 01/11/18</a>	1237	Science	5.2	8.3	71.7	
<a href="#">01/13/18 - 01/14/18</a>	1238	Science	10.7	19	61	
<a href="#">01/17/18</a>	1239	Science	4.8	23.8	56.2	
<a href="#">01/19/18</a>	1240	Science	5.5	29.3	50.7	
<a href="#">01/23/18</a>	1241	Science	4.9	34.2	45.8	
<a href="#">01/24/18</a>	1242	Science	6.1	40.3	39.7	
<a href="#">01/29/18</a>	1243	Science	6.2	46.5	33.5	
<a href="#">01/30/18</a>	1244	Science	5.9	52.4	27.6	
<a href="#">01/31/18</a>	1245	Science	5.6	58	22	
<a href="#">02/01/18</a>	1246	Science	5.2	63.2	16.8	
<a href="#">02/03/18</a>	1247	Transit	10.9	74.1	5.9	
<a href="#">02/04/18</a>	1248	Transit	2.5	76.6	3.4	

Source URL: [https://espo.nasa.gov/oracles/flight\\_reports/DC-8\\_01\\_31\\_18#comment-0](https://espo.nasa.gov/oracles/flight_reports/DC-8_01_31_18#comment-0)

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NASA Official: Marilyn Vasques

*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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