

DC-8 01/29/18

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

Flight Number: 1243

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: 6.2 hours

Submitted by: Timothy Moes on 01/30/18

Flight Segments:

From:	ETAR - Ramstein Air Base	To:	ETAR - Ramstein Air Base
Start:	01/29/18 09:15 Z	Finish:	01/29/18 15:27 Z
Flight Time:	6.2 hours		
Log Number:	188007	PI:	Bruce Anderson
Funding Source:	Jay Dryer - NASA - ARMD - Director of Advanced Air Vehicles Program		
Purpose of Flight:	Science		
Comments:	The DC-8 sampled emissions & contrails behind an A320 burning reference fuel #3 (Clean Jet A). Successful flight. Obtained sampling data at 26kft (M0.72 & 0.80), 32kt (M0.76 & M0.80), 38kft (M0.76 & 0.80). Most of day, contrail from ATRA did not persist until the DC-8. "Bread crumb trail" predicting contrail location worked very well for finding contrails. We completed ground emissions tests on the taxiway at 1160kg/hr and 1260 kg/hr, and Idle. Aircraft returned in good condition. Science instruments had a great flight except DLR CHEMEX pump did not work well at 38kft.		

Flight Hour Summary:

	178009	188007
Flight Hours Approved in SOFRS		80
Total Used	0	76.6
Total Remaining		3.4

188007 Flight Reports

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

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Page Editor: Brad Bulger

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.
