

DC-8 01/17/18

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

Flight Number: 1239

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: 4.8 hours

Submitted by: Timothy Moes on 01/17/18

Flight Segments:

From:	ETAR - Ramstein Air Base	To:	ETAR - Ramstein Air Base
Start:	01/17/18 10:09 Z	Finish:	01/17/18 14:56 Z
Flight Time:	4.8 hours		
Log Number:	188007	PI:	Bruce Anderson
Funding Source:	Jay Dryer - NASA - ARMD - Director of Advanced Air Vehicles Program		
Purpose of Flight:	Science		
Comments:	Sampling flight test technique developmen. We had an electrical problem prior to takeoff which required us to shut down all science instruments in order to recover. Once fixed, the DC-8 took off and flew in coordination with the DLR A320 as the lead aircraft burning "dirty" Jet A fuel. We were approved to use a temporary restricted airspace over Northeast Germany. At Mach 0.72 and 26kft and with well established contrails from the A320, we did 3 test runs in the midfield sampling the secondary wake and 4 runs in the farfield sampling the primary wake. We then did a number of runs at 32kft and Mach 0.8 with no A320 contrails at the sampling distance of the DC-8. The science instruments did very well and it was a successful mission. The aircraft returned in good shape.		

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: Bruce A. Tagg

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.
