

DC-8 10/02/12

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

Flight Number: 130101

Payload Configuration: OIB Antarctic 2012

Nav Data Collected: Yes

Total Flight Time: 5 hours

Submitted by: Frank Cutler on 10/10/12

Flight Segments:

From:	KPMD	To:	KPMD
Start:	10/02/12 18:14 Z	Finish:	10/02/12 23:16 Z
Flight Time:	5 hours		
Log Number:	138003	PI:	Michael Studinger
Funding Source:	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
Purpose of Flight:	Check		
Comments:	Local area flight to verify operation of MCORDS, Ku, & Snow radars supporting the OIB Antarctic 2012 deployment. Flew to location ~200nm off the coast of Southern California. Performed straight/level runs and a bank angle series greater than 60 degrees at FL200 to verify MCORDS operation. Descended to 1750 ft, 1500 ft, & 1000 ft AGL to verify Ku & Snow radars operation. MCORDS & Snow radars are performing as designed but Ku is not operating as well as desired (antenna side lobe issue). System is being troubleshot tonight and a recovery plan being organized. Next flight check opportunity for Ku will be during the transit flight into Punta Arenas.		

Flight Hour Summary:

	138003
Flight Hours Approved in SOFRS	200
Total Used	215.7
Total Remaining	-15.7

138003 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/02/12	130101	Check	5	5	195	
10/03/12	130102	Check	3.2	8.2	191.8	
10/08/12 - 10/09/12	130103	Transit	10.7	18.9	181.1	
10/10/12	130104	Transit	3.2	22.1	177.9	
10/12/12	130105	Science	11.2	33.3	166.7	
10/13/12 - 10/14/12	130106	Science	10.9	44.2	155.8	
10/15/12	130107	Science	11.6	55.8	144.2	
10/16/12 - 10/17/12	130108	Science	11.8	67.6	132.4	
10/18/12	130109	Science	11.6	79.2	120.8	
10/19/12 - 10/20/12	130110	Science	10.2	89.4	110.6	
10/22/12	130111	Science	11.2	100.6	99.4	
10/23/12 - 10/24/12	130112	Science	11.3	111.9	88.1	
10/25/12	130113	Science	11.4	123.3	76.7	
10/27/12	130114	Science	11.4	134.7	65.3	
10/28/12 - 10/29/12	130115	Science	11.3	146	54	

11/01/12 - 11/02/12	130116	Science	12	158	42
11/02/12 - 11/03/12	130117	Science	10.6	168.6	31.4
11/04/12	130118	Science	11	179.6	20.4
11/06/12 - 11/07/12	130119	Science	9.4	189	11
11/07/12 - 11/08/12	130120	Science	11.5	200.5	-0.5
11/09/12	130121	Transit	3.3	203.8	-3.8
11/10/12 - 11/11/12	130122	Transit	11.6	215.4	-15.4
11/11/12	130123	Transit	0.3	215.7	-15.7

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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