

OIB - DC-8 11/07/11 Science Report

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

Date: Monday, November 7, 2011

Mission: OIB

Mission Summary:

This is an old format science report that was automatically transferred in its original format.

Submitted by: Jhony R. Zavaleta on 11/07/11

File:

 [IceBridge_2011-11-07_DC-8_Report.pdf](#)

 [IceBridge_2011-11-07_DC-8_Plan.pdf](#)

Related Flight Report:

DC-8 11/07/11

Flight Number: 120120

Payload Configuration: DC-8 OIB Deployment - Chile 2011

Nav Data Collected: Yes

Total Flight Time: 12 hours

Comments: Science flight over the Recovery Glacier area southeast of the peninsula region. Included over flight of Shackleton Range, Slessor Glacier, Bailey Ice Steam, and several suspected submerged lakes. Data collection altitude was approximately 1500 ft AGL where ATM, DMS, Ku radar, Snow radar, MCords radar and Gravimeter collected data. In route cruise altitude to start of data runs was FL350/370 and return flight was at FL400. Recovery Glacier data start/stop times (UTC) were approximately 1611/1938. Weather at the Recovery Glacier was clear with light winds allowing for 100% data collected on each ground track. After completing all data tracks then the return course included extending the final course line to allow data to be collected at the glacier ground line. Two calibration ramp pass were accomplished at the beginning of the flight at times 1200 & 1207 UTC. Takeoff time at 311 11 54 00 & landing at 311 23 49 29. 3.5 hrs science data collection.

Submitted by: Frank Cutler on 11/16/11

Flight Segments:

From:	Punta Arenas, Chile	To:	Punta Arenas, Chile
Start:	11/07/11 11:54 Z	Finish:	11/07/11 23:54 Z
Flight Time:	12 hours		
Log Number:	128005	PI:	Michael Studinger
Funding Source:	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
Purpose of Flight:	Science		

Flight Hour Summary:

	118008	128005
Flight Hours Approved in SOFRS		356
Total Used	0	308.7
Total Remaining		47.3

128005 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/04/11	120101	Check	2.7	2.7	353.3	
10/05/11	120102	Check	3.6	6.3	349.7	
10/09/11 - 10/10/11	120103	Ferry	10.4	16.7	339.3	
10/10/11	120104	Ferry	3.3	20	336	
10/12/11	120105	Science	11.9	31.9	324.1	
10/13/11	120106	Science	11.2	43.1	312.9	
10/14/11	120107	Science	11.5	54.6	301.4	

10/17/11	120108	Science	11.5	66.1	289.9
10/18/11	120109	Science	11	77.1	278.9
10/20/11	120110	Science	11.7	88.8	267.2
10/21/11	120111	Science	11	99.8	256.2
10/23/11	120112	Science	11.8	111.6	244.4
10/24/11	120113	Science	10.7	122.3	233.7
10/25/11	120114	Science	11.5	133.8	222.2
10/26/11	120115	Science	11.3	145.1	210.9
10/29/11	120116	Science	11.6	156.7	199.3
10/30/11	120117	Science	11.7	168.4	187.6
11/03/11	120118	Science	11.7	180.1	175.9
11/04/11 - 11/05/11	120119	Science	11.6	191.7	164.3
11/07/11	120120	Science	12	203.7	152.3
11/09/11 - 11/10/11	120121	Science	12.5	216.2	139.8
11/11/11 - 11/12/11	120122	Science	11	227.2	128.8
11/12/11 - 11/13/11	120123	Science	11.6	238.8	117.2
11/13/11	120124	Science	11.2	250	106
11/14/11	120125	Science	9.7	259.7	96.3
11/16/11	120126	Science	11.8	271.5	84.5
11/17/11	120127	Science	11.2	282.7	73.3
11/19/11	120128	Science	11.1	293.8	62.2
11/22/11	120131	Ferry	0.4	294.2	61.8
11/22/11	120129	Ferry	3.3	297.5	58.5
11/22/11 - 11/23/11	120130	Ferry	11.1	308.6	47.4

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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.