

DC-8 06/16/17

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

Flight Number: 1197

Payload Configuration: CPEX Payload: APR-2, DAWN, YES Dropsonde, HAMSRS, MASC, MTHP

Nav Data Collected: Yes

Total Flight Time: 5.3 hours

Submitted by: Michael Thomson on 06/18/17

Flight Segments:

From:	KFLL	To:	KFLL
Start:	06/16/17 17:27 Z	Finish:	06/16/17 22:43 Z
Flight Time:	5.3 hours		
Log Number:	178011	PI:	Ramesh Kakar
Funding Source:	Ramesh Kakar - NASA - SMD - ESD Weather and Atmospheric Dynamics		
Purpose of Flight:	Science		
Comments:	Science flight #10 was flown to the Caribbean Sea south west of the Cayman Islands and east of the Yucatan peninsula. Clockwise box patterns were flown starting at SE corner of boxes at FL310. First box was described by Science as the best zone of new convective growth in the whole area. Having a dedicated ground Scientist on xchat helps. The 2nd box had a significant amount of clean air in southern half. The northern half was cut short due to fuel. RTB was initiated via 1st box at FL380. Science chose to loiter over convection within 1st box and repeated 30 deg bank turns, or the 'Simone Spaghetti pattern' for APR-2 with supporting sondes. Twenty-eight dropsondes in total were launched, with all providing data all the way to splash. All instrument teams but HAMSRS reported satisfactory data acquisitions.		

Images:

CPEX science flight #9 track



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Flight Hour Summary:

	178011
Flight Hours Approved in SOFRS	106
Total Used	104.3
Total Remaining	1.7

178011 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
05/16/17	1182	Check	1.3	1.3	104.7	
05/17/17	1184	Science	2.6	3.9	102.1	
05/25/17	1187	Ferry	4.5	8.4	97.6	
05/27/17	1188	Science	5.3	13.7	92.3	
05/29/17	1189	Science	5.5	19.2	86.8	
05/31/17	1190	Science	6	25.2	80.8	
06/01/17	1191	Science	5.7	30.9	75.1	
06/02/17	1192	Science	6.2	37.1	68.9	
06/06/17	1193	Science	3.9	41	65	
06/10/17	1194	Science	5.3	46.3	59.7	
06/11/17	1195	Science	6.4	52.7	53.3	

06/15/17	1196	Science	4.7	57.4	48.6
06/16/17	1197	Science	5.3	62.7	43.3
06/17/17 - 06/18/17	1198	Science	7.1	69.8	36.2
06/19/17	1199	Science	5.9	75.7	30.3
06/20/17	1200	Science	5.7	81.4	24.6
06/21/17	1201	Science	5.4	86.8	19.2
06/23/17	1202	Science	4.8	91.6	14.4
06/24/17	1203	Science	5.8	97.4	8.6
06/26/17	1204	Science	1.9	99.3	6.7
06/28/17	1205	Science	5	104.3	1.7

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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