

DC-8 06/24/17

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

Flight Number: 1203

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

Nav Data Collected: No

Total Flight Time: 5.8 hours

Submitted by: Michael Thomson on 06/26/17

Flight Segments:

From:	KFLL	To:	KFLL
Start:	06/24/17 16:47 Z	Finish:	06/24/17 22:36 Z
Flight Time:	5.8 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 #16 was flown to the Caribbean to the southwest of the Cayman Islands. Two areas of interest were targeted at 28k ft. Just after passing over Cuba, map data in Science Data system was lost for approx 1 hr creating a challenge in tracking current position for Science Team members. At the first area, N19 W82.5, a 60 nm Box pattern was flown targeting 2 areas of convection. After multiple passes, the decision was made to go to a new area of interest in the Gulf of Mexico at N25 W85 via the Yucatan Channel. A Box pattern was set up between 24.4N and 25N and 84W and 85.8W at FL300. A climb to FL390 was requested for eastbound leg in a effort to go over convection. After first box, building convection was targeted at 25N and 85.2W at FL410. Seven passes were made over convection before the cell stopped building. An RTB was initiated with a descent to FL200 for DAWN data and one last dropsonde. Ten dropsondes in total were launched with 9 reaching sea surface. All instrument teams reported satisfactory data acquisitions.		

Images:

CPEX science flight #15 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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