

## DC-8 06/15/17

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

Flight Number: 1196

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

Nav Data Collected: Yes

Total Flight Time: 4.7 hours

Submitted by: Michael Thomson on 06/18/17

### Flight Segments:

<b>From:</b>	KFLL	<b>To:</b>	KFLL
<b>Start:</b>	06/15/17 17:09 Z	<b>Finish:</b>	06/15/17 21:49 Z
<b>Flight Time:</b>	4.7 hours		
<b>Log Number:</b>	<a href="#">178011</a>	<b>PI:</b>	Ramesh Kakar
<b>Funding Source:</b>	Ramesh Kakar - NASA - SMD - ESD Weather and Atmospheric Dynamics		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	Science flight #9 was flown to the Caribbean Sea just south of the Cayman Islands and west of Jamaica. A clockwise box pattern was the flown starting at NE corner of box at FL310. Lack of convective activity moved us further south and up to FL350. At FL350, the aircraft was adjusted to keep clear air entries and exits on either side of the convection target. Science requested higher altitude and FL380 was granted. Adjustments were still required for clear air entries and exits at FL380, so a RTB was called. Ten dropsondes in total were launched, with 9 providing data all the way to splash. All instrument teams reported satisfactory data acquisitions. It should be noted the DC-8 transitioned over Cuba for the first time in NASA DC-8's operational history.		

### Images:

## CPEX science flight #9 track



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### Flight Hour Summary:

	<b>178011</b>
<b>Flight Hours Approved in SOFRS</b>	106
<b>Total Used</b>	104.3
<b>Total Remaining</b>	1.7

### 178011 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">05/16/17</a>	1182	Check	1.3	1.3	104.7	
<a href="#">05/17/17</a>	1184	Science	2.6	3.9	102.1	
<a href="#">05/25/17</a>	1187	Ferry	4.5	8.4	97.6	
<a href="#">05/27/17</a>	1188	Science	5.3	13.7	92.3	
<a href="#">05/29/17</a>	1189	Science	5.5	19.2	86.8	
<a href="#">05/31/17</a>	1190	Science	6	25.2	80.8	
<a href="#">06/01/17</a>	1191	Science	5.7	30.9	75.1	
<a href="#">06/02/17</a>	1192	Science	6.2	37.1	68.9	
<a href="#">06/06/17</a>	1193	Science	3.9	41	65	
<a href="#">06/10/17</a>	1194	Science	5.3	46.3	59.7	
<a href="#">06/11/17</a>	1195	Science	6.4	52.7	53.3	
<a href="#">06/15/17</a>	1196	Science	4.7	57.4	48.6	

<a href="#">06/16/17</a>	1197	Science	5.3	62.7	43.3
<a href="#">06/17/17 - 06/18/17</a>	1198	Science	7.1	69.8	36.2
<a href="#">06/19/17</a>	1199	Science	5.9	75.7	30.3
<a href="#">06/20/17</a>	1200	Science	5.7	81.4	24.6
<a href="#">06/21/17</a>	1201	Science	5.4	86.8	19.2
<a href="#">06/23/17</a>	1202	Science	4.8	91.6	14.4
<a href="#">06/24/17</a>	1203	Science	5.8	97.4	8.6
<a href="#">06/26/17</a>	1204	Science	1.9	99.3	6.7
<a href="#">06/28/17</a>	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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