

DC-8 06/20/17

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

Flight Number: 1200

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

Nav Data Collected: No

Total Flight Time: 5.7 hours

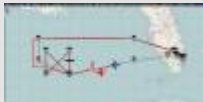
Submitted by: Michael Thomson on 06/22/17

Flight Segments:

From:	KFLL	To:	KFLL
Start:	06/20/17 16:54 Z	Finish:	06/20/17 22:38 Z
Flight Time:	5.7 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 #13 was flown to the Gulf of Mexico to target Invest 93L. An east to west ladder pattern with 7 deg east-west legs and 1.5 deg north-south legs. Approx. 1 hr after take-off, Invest 93L was upgraded to TS Cindy. The 1st east-west leg was extended 1 deg before turning southbound. After turn back east, Science identified N26, W90 as the Center of circulation for TS Cindy. One complete propeller pattern was flown around this point with multiple sondes dropped. At completion of pattern, climb to FL390 and head back to base. On transit back, we delayed at N25 20, W87 to fly convection as directed by on-board Science team, then RTB'd. Fifteen dropsondes in total were launched with all reaching sea surface. All instrument teams reported satisfactory data acquisitions.		

Images:

CPEX science flight #13 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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