

TO: Airborne Science Program
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Flight Report

Aircraft :	DC-8 N817NA
Operating Site(s) From / To :	KFLL to KFLL
Flight Date :	9/1/10
Flight Number :	100612
Take Off Time :	244:16:11:52 UTC
Landing Time :	245:00:10:43 UTC
Flight Time :	8.0 Hr.
Flt Request # / PI:	108201 / Vasques
Purpose of Flight :	Data [X] Ferry [] Functional Check [] Other []
Aircraft Status:	Up [X] Down []
Sensor Payload :	CAPS, PIP, DAWN, LARGE, LASE, MMS, APR-2, Dropsonde operated. 1 dropsonde reported no data after release.
Comments :	Dropped 30 sondes. Flight consisted of pattern flown through hurricane Earl located initially at 26 06N / 73 04W at altitudes of 33,000 ft, 35,000 ft and 37,000 ft. Atmospheric aerosol investigations were conducted northwest of storm at 25,000 ft and 11,000 ft; southwest of storm at 6000 ft and 4000 ft.

Flight Hours Summary

Flight	Date	Aircraft Flight #	Data Flight#	Duration (hr)	Remaining Hours*
<i>Total Allocated</i>					120
Shakedown#1	8/05/10		100601	.9	119.1
Shakedown#2	8/06/10		100602	.5	118.6
Shakedown#3	8/06/10		100603	1.1	117.5
Payload Checkout	8/10/10		100604	3.5 (-.5)	114.5
Transit PMD to FLL	8/13/10		100605	4.7	109.8
Science #1	8/17/10		100606	4.8	105.0
Science #2	8/24/10		100607	7.4	97.6
Transit FLL to STX	8/28/10		100608	2.6	95.0
Science #3 (Hurricane Earl)	8/29/10		100609	8.5	86.5
Science #4 (Hurricane Earl)	8/30/10		100610	6.7	79.8
Transit STX to FLL	8/31/10		100611	2.7	77.1
Science #4 (Hurricane Earl)	9/01/10		100612	8.0	69.1