

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm Dennis Dropwindsonde Scientist: Krystal Valde Page 1 of 2
 Flight ID 050709I Flight Director MARTY MAYEAUX/TOM SHEPHERD Takeoff from MROC at 141320 UTC
 Mission ID WX04ADennis AVAPS Operators DAMON SAN SOUCI Recovery at JAX NAS at 223046 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
1	032815124	180255	25.20	-85.15	993.3 _{mb}	4°/33 6			50 miles from center	59
2	042815245	181246	25.29	-84.37	966.1	304°/32 6		EW	WEYEWALL, 0.8 Hum Bias Appl	60
3	042815033	181551	25.33	-84.13	965.8	110°/92 8		EW	Good - E Eyewall	61
4	042815032	182055	25.38	-83.74	—	153°/71 N/A		East EW	no data below 925 mb - did not reach sfc dry above ~825 mb	72
5	042815046	182655	25.38	-83.29	996	—			NO Launch detect - no winds	89
6	042815051	183237	25.38	-82.85	1000.1	131°/51 6		RB	spotty winds first @ 2.3 "back-up sonde", rainband → Appl to Pt data	38
7	042715054	184447	26.11	-83.57	998	105°/66 15			NO near sfc winds	39
8	042815052	185641	26.65	-84.34	1000.4	92°/43 7				42
9	042815054	190253	26.23	-84.34	994.9	92°/64 15			NO near sfc winds	44
11	042815048	191355	25.47	-84.44	955.3	135°/13 4	27.3	E	CENTER, SST = 27.3	50
12	040925064	191543	25.33	-84.45	970.9	198°/87 32		EW	SEYEWALL. no sfc winds	49
13	042825019	192514	24.64	-84.45	993.0	—			NO launch detect, S-side of storm	53
14	040925205	192036	24.25	-84.47	997mb	241°/35 8				55
10	042815024	191153	25.61	-84.42	965.2	—		N Eyewall	NO Launch detect - no winds	81
15	042815049	194206	24.53	-83.56	998	119°/43 7	28.5	RB	"back-up sonde", rainband	56
16	042815030	194837	24.91	-83.77	995.1	191°/34 5			Applied 3.8 Humidity bias	57
17	035135789	200029	25.50	-84.40	964.7	151°/97 244		EW	Very few winds above 750 mb NO sfc winds, SE Eyewall	64

double eyewall
dry near sfc

missed when launched - did not process when launched
no sfc winds
T correction data - 38

NO winds

missed when launched - did not process when launched
no sfc winds
→ SST = 28.5

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Flight ID 050709E Flight Director _____ Takeoff from MRCC at 141320 UTC
Mission ID WX 04A Dennis AVAPS Operators _____ Recovery at JAX NAS at 223046 UTC

[illegible]

→ NO winds