

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

Storm Dennis Dropwindsonde Scientists Krystal Valde Page 1 of 2
 Flight ID 050710I Flight Director _____ Takeoff from JAX NAS at 150058 UTC
 Mission ID WX04A Dennis AVAPS Operators _____ Recovery at JAX NAS at 204950 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	04215037	155307	28.50	-84.57	1003.6	—	—		NO GPS satellites, buoy drop, no wind	09
2	042115003	161354	28.80	-86.07	990.6	190°/44	7m 26.5		RH heating cycles near buoy drop, applied 4.4 Hum. bias corr.	13
3	042815223	162201	29.34	-86.54	979.6	160°/57	6m 26.8		AXBT drop combo	14
4	032815006	162812	29.13	-86.92	951.8	325°/90	31 6	EW	RH heating cycles NW eyewall, no near st winds, noisy	16
5	042415307	165746	29.18	-88.19	996.6	317°/30	4		RH heating cycles buoy drop, late winds (1095); DID 9s	22
6	040925082	170543	29.37	-88.23	993.1	340°/35	4		RH heating cycles Applied 3.7 dry humidity bias, corr.	23
7	042715292	171900	29.68	-86.92	945.6	205°/70	11	EW	SWEYEWALL, Applied 6.8 dry humidity bias, corr.	27
8	040925081	172109	29.69	-86.74	954.0	75°/108	13	E/EW	4.8 dry humidity bias Applied no stc wind - LST wind @ 13m	29
9	042715150	172938	29.60	-86.04	989.4	158°/54	5m		2.9 dry humidity bias Applied, temp 1.65 missing	30
10	042115179	173556	29.52	-85.54	995.6	161°/62	7m		noisy wrd, fitu temp missing	32
11	043615167	175716	30.22	-87.19	983	121°/61	6m		No winds below 872 mb	31
11A	042815038	174600	29.96	-86.15	988	131°/59	6m		winds noisy near FDD, "backup" surface	31
12	042715785	175232	30.18	-86.52	983.7	105°/70	42		noisy wind @ 42m, no near stc winds, Applied 4.0 hum. bias, skew T showed stc wind	34
14	042715157	180154	30.08	-87.62	986.7	—	—		no winds	37
15	042825031	180901	29.89	-88.21	993.9	324°/43	9m		3.6 humidity bias Applied	40
15	042715283	180403	30.00	-87.80	989.4	348°/40	6m		noisy winds	39
17	042215051	183206	30.00	-86.98	—	—	—	EW	terminated early at 300 mb no launch detect SWEYEWALL, no winds	45

SET FLTLVL
TEMPAS
MISSING

no stc
winds
skew-T
reports 75

9 11m
missing

5#
LST wind 42m

no satellites → dry bias, 30.6 Applied

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Page 2 of 2

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Flight Director

Takeoff from JAX NAS at 150058 UTC

Mission ID W X04A Dennis

AVAPS Operators

Recovery at TAXNAS at 204950 UTC

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