



N49RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm Dennis Dropwindsonde Scientists LANDSEA Page 1 of 2
 Flight ID 050708n Flight Director DAMIANO Takeoff from MACDILL at 1818 UTC
 Mission ID 090AA AVAPS Operators DAVE G. / ALAN G. Recovery at MACDILL at 0225 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd (kt)	hgt (m)	DLM wind (kt)	Comments	700mb RH	Processed	SATCOM tries	Ob #
1	043845030	1900 37	29.99	77.96	1017.8	135/7	4	175/12	10% str Cu RH cycling 79.86%		✓	1	1
2	043845038	1914 53	29.92	75.99	?	162/10	?	180/9	50% thin Alto Stratus 10% str Cu below Sonde reported 1643 index but from sea NOT ST		✓	2	2
3	043845035	1932 23	28.00	75.21	1017.9	134/16	7	125/11	30% thin Alto Stratus 10% strato Cu below Wind gusting 160-100s 05% 550-600s due to interference		✓	3	3
4	043845032	1945 40	27.96	77.08	1016.7	120/17	7	140/10	30% thin Alto Stratus 10% strato Cu 80%		✓	11	4
5	042815179	2002 48	26.91	79.03	1013.8	124/16	7	125/23	10% strato Cu RH cycling End point 74%		✓		5
6	043845034	2027 07	24.23	80.02	1007.6	119/35	7	120/42	IN CLOUD Late winds SENT AS RAINBAND 65%		✓		6
7	042815268	2039 36	23.01	79.23	1006.7	126/41	6	150/45	IN CLOUD SENT AS RAINBAND 86%		✓		7
8	043615139	2059 07	22.19	77.00	1011.4	110/23	4	165/29	IN CLOUD RH cycling Late winds 35s RH 72%		✓		8
9	043845203	2113 47	24.00	77.00	1012.9	120/23	7	145/28	Above thick Obs Cirrus/Alto in ocean 82%		✓		9
10	043625037	2130 48	25.99	76.85	1014.6	114/23	7	130/25	70% Alto stratus / AL report from 2nd system - 105% RH cycling		✓		10
11	043625020	2145 29	25.85	75.01	?	138/17	?	115/15	100% Alto stratus / Sonde prematurely killed at 800mb Spotty data at end		✓		11
12	043845044	2200 23	24.00	75.00	?	137/27	?	150/13	100% Alto Stratus / Sonde prematurely killed at ~880mb Loss of data ~850mb		✓		12
13	043625014	2216 40	21.95	74.96	1014.0	125/18		160/14	IN thin cirrus RH cycling spotty winds to 2055 RH to 80%		✓		13
14	043845029	2232 04	N/A	N/A					IN CIRRUS NO LAUNCH DETECT - no winds				
14A	043615159	2232 58	20.10	73.90	1014.1	88/6	5	160/7	IN CIRRUS Spotty winds 100 to 360s 45%		✓		14
15	042815195	2250 39	19.75	75.85	1013.8	154/17	10	135/19	IN CIRRUS Late winds 50s 61%		✓		15
16	042815066	2306 24	19.71	77.82	1009.8	131/31	7	185/24	IN CIRRUS Late winds RH cycling 65s 70%		✓		16

* Key Example of a sonde where human intervention must be done to catch a crucial data limitation (that is, last obs was NOT at surface - thus am tossing heights for whole sonde.)

7145

Ch. 6
another sonde

Late Launch date changed time

Bad winds 05-105

