



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

Storm EMILY

Dropwindsonde Scientists Jason Dumon

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Flight ID 050718N1

Flight Director Jack Parrish

Takeoff from MacDill at 0600 UTC

Mission ID 1505A EMILY

AVAPS Operators Jim Rolles / Jorge Delgado

Recovery at MacDill at 1425 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	Processed	SATCOM tries	Ob #
1	044245092	062518	27.900	84.348	1018.1	90/9	8	125°/10	RH heating cycles		11	01
2	044245009	063848	27.950	86.169	1017.6	65/12	7	155°/9	Strong outflow 180-250mb RH heating cycles		1	02
3	044245095	065241	27.934	87.935	1017.3	095/10	7	155°/11	dry 700-975mb (~50% RH)		11	03
4	043835088	070946	26.058	88.073	1015.1	NA	—	125°/18	Strong outflow 180-250mb (~40kt) Weak telemetry towards EOD; RH heating. Chg of AVAPS better		1	04
5	043845283	072435	26.017	90.000	1015.3	080/20	4	125°/14	dry 700-975 (~40-50% RH) Strong outflow (180-200mb (~40-45kt)		11/1	05
6	044245094	073856	26.985	91.652	1015.4	110/18	4	100°/13	RH heating cycles		1	06
7	044245096	075321	27.971	93.322	1015.7	120/17	7	110°/9	RH heating cycles		1	07
8	051926116	080709	28.800	94.936	1014.5	150/16	7	155°/8	RH heating cycles		1	08
9	044135303	082150	27.033	94.969	1014.2	135/18	7	155°/9	RH heating cycles		11	09
10	643625061	084040	25.533	93.151	1013.8	100/18	5	90°/14	RH heating cycles		1	10
11	051926117	085416	24.971	94.899	1013.1	115/10	5	85°/12			1	11
12	044135290	091147	22.991	94.007	1011.7	090/16	4	85°/14	as low as 40% RH 750-850mb RH heating cycles		1	12
13	043845278	092403	21.448	94.000	1010.8	075/15	5	80°/14	as low as 30% RH 700-850mb " " " 10% RH 400-500mb		11/1	13
14	043625033	093615	20.024	93.928	1010.3	125/06	7	50°/9	20-40% RH 400-600mb Late winds G2S		11/1	14
15	044135307	095212	19.632	91.925	1008.9	240°/12	8	25°/9			11	15
16	044135306	100627	21.307	92.382	—	—	—	—	NO WINDS - BACKED UP			X
17	044135292	100820	21.532	92.327	1010.9	055/14	7	75°/18			1	16

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Takeoff from MacDill at 0600 UTC

Recovery at MacDill at 1425 UTC

[illegible]