

19/02 ~~1128~~ 22.8
91.8
GONZO

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

Storm EMILY Dropwindsonde Scientists Goldenberg and Dorianne Alvarado (Univ. of Puerto Rico) Page 1 of 2

Flight ID 050718h2 Flight Director B. Damiano Takeoff from MACDHL at 17:56 UTC

Mission ID 1705A EMILY AVAPS Operators Ray Tong, Beth Kerr Recovery at MACDHL at 02:14 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	DLM wind (kt)	Comments	Processed	SATCOM tries	Ob #
01	043845151	183545	25.01	85.10	1014.8	86°/19 5	120/5	100% below SV = rh swap NS = no rh swap sonde not in use unless indicated	✓		01
02	043845265	185046	24.86	86.92	1013.7	75°/27 8	130/24	100% below Some wind drop out early in drop	✓		02
03	043835101	190809	23.01	85.88	1012.5	103°/6 4	140/21	100% below	✓		03
04	044245108	192144	22.84	84.17	1012.6	71°/19 4	125/11	<5% below	✓	1	04
05	044135305	194444	20.90	84.01	1012.3	108°/16 7	130/10	10% below	✓		05
06	044135301	200010	18.94	84.03	1012.6	121°/14 7	120/11	<5% below	✓		06
07	043625038	201807	N/A	N/A	—	—	—	No launch detected	X		X
08	043625084	202801	17.00	86.35	1010.0	89°/19 7	130/11	In cirrus	✓		07
09	044415104	205055	19.10	86.03	1010.9	143°/06 5	150/19	In cirrus, parachute a bit late rh adjust, to deploy	✓		08
10	043845149	210757	21.02	86.40	1011.3	134°/21 4	155/23	In cirrus	✓		09
11	043845279	213000	22.16	88.64	1008.9	112°/23 6	165/35	100% below; late winds 1 min.	✓		10
12	044415099	214721	21.01	90.42	1006.0	218°/27 4	225/28	80% below Can see center to the rt.	✓		11
13	044135302	220200	19.41	90.97	1008.7	244°/10 4	230/12	10% Winds xx40-75	✓		12
14	043625079	221449	19.40	92.60	1009.7	295°/09 7	295/9	10% low; late winds 65s	✓		13
15	043845276	222909	20.50	94.05	1009.2	352°/17 4	360/11	2% (clear)	✓		14
16	043835059	224340	22.25	94.58	1009.3	11°/10 7	025/11	80% below	✓		15
17	044135311	225829	23.95	94.18	1010.0	48°/14 7	050/24	5%	✓	1	16

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Storm EmilyDropwindsonde Scientists Goldenberg and Dorianne Alvarado (Univ. of Puerto Rico)Page 2 of 2Flight ID 050718N2Flight Director B. DamianoTakeoff from NAACDLat 17:56 UTCMission ID 1705A EMILYAVAPS Operators Rag Tong, Bob KerrRecovery at NAACDLat 02:14 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	Obs #
18	043625006	231204	24.12	95.92	1010.5	65°/14	4	065/13	100% below	✓		17
19	043845282	232916	26.00	94.97	1012.0	76°/14	7	085/15	50% splash = 1813	✓		18
20	043845285	234606	26.85	92.98	1013.5	82°/21	7	100/18	1 in cirrus	✓		19
21	043845270	000234	25.06	92.41	1010.7	72°/29	4	085/33	100% below SATCOM crashed	✓	1	20
22	043845277	001645	25.00	90.60	1011.1	93°/23	4	115/38	100% below	✓		21
23	043835054	003031	24.15	89.16	1011.5	119°/31	7	140/36	100% below	✓		22
24	043625116	004558	26.02	89.09	1013.5	102°/19	7	130/25	100% below	✓		23
25	044135308	010216	27.07	90.83	1014.3	83°/16	7	120/20	100% below	✓		24
26	043845106	011754	27.94	88.90	1015.6	96°/19	8	135/13	Dark	✓		25
27	043625095	013346	27.01	86.98	1015.9	106°/14	7	120/12	Dark	✓		26
28	043625105	014841	27.00	85.00	1015.8	95°/10	7	080/09	winds xxx 34-57(?) DARK	✓		27
									↑ LAST REPORT			

Note - obs 20-23 did not show up in transmit file! - (which was "split")