

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

Storm TD#10 Dropwindsonde Scientists Sean Doyle, Liam, Jing-Sun Page 1 of 3
 Flight ID 0209177 Flight Director Paul FLAHERTY Takeoff from MACDILL at 17:27 UTC
 Mission ID 0610 A cyclone AVAPS Operators DAVE BROGAN/DALE CARPENTER Recovery at MACDILL at N/A 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	SATCOM tries	Ob #
1a	021735009 ^v	181404	23.27	80.47	1012.8	075/11	7	095/09	15% Cu Rev D	1111	(1)
1b	003338130	181412	23.26	80.45	1013.1	073/12	7	090/09	15% Cu Rev B		
2a	021925059 ^v	183340	22.49	77.99	1012.0	060/14	5	095/08	thin Ci Scatter Cu, Rev D	radios	(2)
2b	021925304	183346	22.49	77.98					thin " cb, Rev B		
3a	021735033 ^v	184504	21.74	76.73	1011.8	070/09	7	135/07	thin Ci 20% As, Rev D		(3)
3b	003438027	184509	21.73	76.72					" , Rev B		
4a	021735216 ^v	185622	21.17	75.48	1011.6	100/13	7	135/11	Thick Ci, Rev D		(4)
4b	014515103	185628	21.19	75.47					Thick Ci, Rev B		
5a	021735224 ^v	190730	22.50	75.25					Thick Ci, Rev D, Telemetry dropout 850-900 mb		
5b	003338128	190734	22.51	75.25	1012.2	145/13	7	130/09	" , Rev B		(5)
6	021735026	191940	23.88	74.89	1014.2	—	5	—	Thick Ci No Wind Phias = 21 mb, Rev D		(6)
7	021735057	193103	22.98	73.73	1013.1	080/09	7	125/09	Thick Ci 400-500 very dry, Rev D		(7)
8	021735056	194312	21.95	72.57	1012.5	100/15	4	105/06	Thick Ci Phias = 213 mb, Rev D		(8)
9	021735054	200320	19.94	73.88	1011.5	080/13	7	130/12	Thin Ci little Ac, Rev D, Late winds		(9)
10	021735024	202252	18.87	75.79	1010.2	107/30	4	110/18	Thick Ci, Rev D, Late winds		(10)
11	021735156	203259	18.24	74.74	1010.6	114/20	7	135/19	Thick Ci, Rev D, Late winds		(11)
12	021735058	204311	17.52	73.78	1012.3	141/12	5	150/24	" , Rev D		(12)

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 Flight ID 02091711 Flight Director _____ Takeoff from _____ at _____ UTC
 Mission ID 0610A Cydonia AVAPS Operators _____ Recovery at _____ at _____ 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	SATCOM tries	Ob #
✓ 13	021735028	205939	16.00	-75.00	1008.7	097/22 4	195/10	thick Ci, Rev D		(13)
✓ 14	021735053	211950	16.62	-77.10	1005.9	195/11 7	270/17	" near center Saturated 500-600mb westerly, Rev D		(14)
✓ 14a	021735092	212122	16.54	-77.26	1006.0	195/10 7	275/10	" , Rev D		
✓ 14b	021735031	21233	16.27	-77.29				Rev D		
✓ 15	021735152	213504	15.08	-78.07	1007.7	305/11 4	290/07	Rev D		(15)
✓ 16	021735050	214808	15.95	-79.49	1007.8	005/13 4	340/04	thin Ci Scatter Ac, Rev D		(16)
✓ 17	021735036	215935	15.24	-80.76	1008.0	304/15 7	345/13	thick Ci, Rev D		(17)
✓ 18	021735153	221055	14.57	-82.02	1008.4	355/10 4	100/02	thick Ci Some Cb, Rev D		(18)
✓ 19	013945012	222618	16.02	-83.40	1009.1	355/08 7	360/09	20% cu		(19)
✓ 20	003338015	224736	17.69	-81.56	1009	065/10	065/04			(20)
✓ 21	003338073	225816	18.99	-81.99	1009.4	073/10 7	075/11	Noisy GPS Signal		(21)
✓ 22	003715001	230826	20.26	-81.75	1010.2	090/12 5	095/12	20% Cu late winds, Winds missing between 753-876mb		(22)
✓ 23	003828008	231802	21.44	-81.59	1010.5	115/08 5	110/08	~500mb thin Ci		(23)
✓ 24	003338072	233303	21.22	-83.99	1010.5	107/08 7	110/08	20% Cu		(24)
✓ 25	003338036	235400	19.00	-84.06	1009.9	063/06 7	110/05	20% Cu Some Cb		(25)
26	003338038	000625	18.50	-85.51	1010.0	030/03 8	125/06	Intermittent winds 811-953mb upper layer 20% Ac, Some Cb strong SW		(26)
27	003338082	001856	18.13	-86.94	1010.5	020/04 7	140/05	dark		(27)

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Flight ID 020917N Flight Director _____ Takeoff from _____ at _____ UTC
Mission ID 0510Acydone AVAPS Operators _____ Recovery at _____ at _____ UTC

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