

# HRD GPS Dropwindsonde Scientist Log (Revised 6/1999)

Storm Debby  
 Flight ID 000820N  
 Mission ID 0107A Debby

Flight Director Daniano, Shepherd  
 Dropwindsonde Scientists Landsea, Kaplan  
 AVAPS Operators Hornbrook, Hill, Goldstein

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 Takeoff 1829 UTC  
 Landing ~0130 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	10m wind (kn)	MBL wind (kn)	BT SST (°C)	Location Comment	Comments	Ob #
1	993645019	175252	15.36	54.48	1013.2	55/18	55/19		Clear	Launched at 309 mb Weak teleonomy 400-500mb, slow fall 8-220s	1
2	992645043	181700	17.68	54.48	1015.0	65/20 65/18	65/18		10% Stratus		2
3	990435508	182916	19.96	59.40	1016.9	80/19	75/20		Clear	winds flakey 160-270s, slow fall 0-370s	3
4	983340084	184346	19.92	57.55	1016.4	80/20	80/22		10% Str Cu	RH2 used	4
5	990935193	190959	17.75	57.50	1014.7	65/16	65/21		Clear	slow fall 0 to 400s / Re-transmit because of strange alt. character	5
6	990935017	192237	15.55	57.42	1012.4	70/18	60/22		100% Cirrus	slow fall 0 to 360s.	6
7	990415241	193900	15.61	53.54	1012.2	65/27 65/27	60/27		30% Cu + Str	No winds to 70s / Had to stop to slow fall 90s	7
8	983440046	195538	17.75	55.59	1014.2	65/28	65/28		40% Str Cu	slow fall 0 to 430s.	8
9	993645026	201244	19.95	55.42					30% Str Cu	slow fall 0 to 460s / missing near 500s	9
10	983620592	202727	19.93	53.55	1016.5	70/20	70/26		10% Alt Str + 10% Cu	winds late 84s, slow fall 500s	10
11	985035307	204416	18.05	53.42	1014.7	70/28	70/29		Thin Cirrus		11
12	984715186	210003	18.09	51.53	1015.8	70/27	75/30		Thin Cirrus		12
13	984375520	211830	20.45	51.42	1016.1	75/25 75/25	75/24		50% Alt Str + 20% Cu	80s - late winds	13
14	992515716	213418	20.50	49.33	1019.1	075/17	080/19		100% Alt Str		14
15	984715313	215019	20.50	47.14	1019.6	075/17	080/19		100% Alt Str.	dark	15
16	993915061	220550	20.41	45.03	1020.1	110/15	050/09				16
17	994024094	222528			NO				Launch defect		
17a	993818025	222623	18.01	45.18	1018.6	085/17	080/20				17

Pico passed  
 SAT com  
 P. 1111  
 11

2/10/07  
 182 16.9 57.0 60 15.2  
 17.5 60.5 65 51.5  
 64.0 70 45  
 70.5 80

ftp L3 (login ~ ads  
 pwd 497f)  
 D20000820\_1a 3903.6  
 (BINARY)  
 Dir - home is ftp  
 Rename it with sonde #

