



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

Storm Ophelia Dropwindsonde Scientists Kaplan, Majumdar Page 1 of 2
 Flight ID 050911N Flight Director Shepherd Takeoff from Medill at 175240 UTC
 Mission ID 16/6A ophelia AVAPS Operators Smith, Carpenter Recovery at MACDILL at 0214 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	002638101	184145	25.42	78.0	1015.4	315°/05	7	255/10	(RH heating cycles except as noted) drop delayed to avoid land	✓	1	1
2	010715221	185450	26.98	77.94	1015.7	280°/09	7	270/17	resolution on SET was positive 100-1500 heaters off winds 105-112-300-3825	✓		2
3	010748049	191758	28.00	77.99	—	220°/22	N/A	250/22	Intermittent winds in upper levels Did not transmit to surface on channel #1 - okay on channel #5; no heights	✓		3
4	002615339	193214	28.07	73.06	1015.7	223°/23	7	230/21	Heaters off	✓	1	4
5	010715133	194805	29.89	72.92	—	—	—	—	Intermittent winds	✓		
59	010715128	194944	29.85	72.70	1014.6	186°/20	8	215/24	Heaters off	✓		5
6	010715131	200321	29.00	71.00	1017.2	—	—	225/15	Heaters off; noisy GPS signal; no winds below ~825 mb	✓		6
7	002638100	202539	28.09	68.07	1019.5	200°/06	7	255/12		✓	1	7
8	002638057	205240	31.00	67.00	1020.2	165°/12	8	290/14	Wind gaps ~30-60s + 500-540s	✓		8
9	002638039	210952	32.84	67.12	1020.4	71°/12	8	320/11		✓		9
10	000345655	213034	31.03	69.03	1019.1	112°/22	5	265/09		✓		10
11	004255242	214543	31.20	70.92	1018.6	55°/19	5	205/12	heaters off; used 20-s filter for winds	✓	11	11
12	004255281	220121	32.99	70.94	1018.8	117°/17	7	160/07	heaters off	✓		12
13	010715220	221625	34.03	69.04	1020.9	89°/21	8	05/05	false launch detect determined by Editsonde	✓		13
14	002615606	223414	36.01	69.01	1023.7	66°/14	7	335/14		✓		14
15	002615552	225308	37.96	70.05	1024.7	74°/13	8	355/15		✓		15
16	010715227	231201	37.93	72.89	1024.6	96°/12	7	010/12	false launch detect determined by Editsonde	✓	1	16

010715 227 T=230852 38.01N 72.45W

21/8
76.2

