



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

Storm Katrina Dropwindsonde Scientist's Valde Page 1 of 2
 Flight ID 05082401 Flight Director FLANCERY Takeoff from MacDill at 1801 UTC
 Mission ID 0412A KATRINA AVAPS Operators TONG/Benson/Rogers Recovery at MacDill at 0209 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 #
1	011245347	182955	25.79	84.32	1013.2	16/6 8.1	70/9	Some weak telemetry at mid levels; RH heating cycles	✓	S	1
2	011245286	183941	24.75	84.87	—	—	—	Late winds 18G S; no winds 800-835mb; not provided - problems w/real-time data			
29	011245087	184240	24.44	84.71	—	8/4	70/10	Telemetry problems bottom half of sonde did not reach SFC; set heights missing; intermittent winds	✓	S	2
3	011245377	185648	22.85	84.14	101.7	330/8 598	75/7	late wind 5 (78S); telemetry bad 520-580mb; intermittent winds; RH2 only	✓	S	3
4	011245343	190916	21.67	85.00	1011.9	337/4 7.6	95/5	Flagged winds 418/42	✓	11-S	4
5	011245366	192618	21.01	82.96	1011.8	272/4 4.8	120/3	late winds (69S)	✓	S	5
6	011245086	194957	21.23	80.01	1010.16	241/10 7.6	205/4	No T RH first 3 mins; RH2 only above 400mb; no winds 533-567mb	✓	S	6
6a	002648022	195210	21.00	79.87	—	250/10	210/4	backups on de; late winds (65S); some telemetry problems + spotty winds below 875mb - did not reach SFC; set heights missing	✓	11-S	7
7	011245336	201032	19.05	78.94	—	107/8	125/17	Lost telemetry + GPS below 371mb - did not reach SFC; set heights missing	✓	S	8
8	003135212	203622	19.54	76.56	1012.3	273/19 40.9	130/6	over cirrus; noisy GPS signal	✓	S	9
9	011245345	205319	20.06	74.04	1011.8	52/4 7.7	140/5	Weak telemetry most of sounding; multiple wind gaps	✓	S	10
10	011245779	21026	21.98	73.95	—	—	—	over clouds - unable to process - system acting up - editsonde aborted			
11	002648030	212819	23.03	72.08	1013.6	130/12 47.2	200/7	late winds (65S) RH part of part RH2 after 1000z; cirrus; no wind 245-276mb	✓	S	12
12	010715740	214801	25.61	72.99	1013.7	137/14 7.2	165/9	10070RH 6 ~300mb; RH heating cycles	✓	S	11
13	003135218	220526	26.99	73.00	Unable to process - AVAPS system problems - editsonde aborted			Telemetry poor/missing + no winds below 482mb - did not reach SFC			
14	003135214	223111	29.99	73.04							
15	002648025	224454	31.00	74.50	1016.4	144/6 4.9	210/3	circus; no Temp - press/wind data only; only RH/Temp near SFC	✓	S	13

