

37°

1758

24 27.5
85 19.2

KATRINA

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm 050827I Dropwindsonde Scientists GAMACHE Page 1 of 2
 Flight ID 050827I Flight Director DAMIANO, MAYEAUX Takeoff from MACDILL at 133512 UTC
 Mission ID 1312A KATRINA AVAPS Operators OLNEY, SANS SAUCI Recovery at MACDILL at 2108 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
1	011245392	142353	2551	8342	1001.7	122/41 7		RAINB	RH heating cycles	009
2	011245388	144243	2455	8440	981	91/80 N/A		NE EYEWALL	Erroneous T+RH-no heights	012
3	011245386	151353	2426	855	949.5	347/2 5		EYE		019
4	01115047	154013	246	8538	981.5	278/79 21		SW EYEWALL		021
5	011245393	160010	2311.8	8625.9	999.0	281/33 7		RAINB	Late winds 82st no winds 915-938mb	025
6	011245391	161401	2315.7	8511	995.0	234/48 5		Rainband	Late winds 79st RH heating cycles	-
7	011245382	162941	2336.8	8410	996.9	191/21 6		RAINB		038
8	011245106	164307	2436	8449	—	—		SE EYEWALL	Poor/lost telemetry 710 - 940mb T, RH missing	NOT SENT
9	001115272	165133	2421	8516	948.6	244/14 8		EYE		039
10	011245164	165524	2446	8547	961.8	329/48 5		NW EYEWALL	L RH heating cycles	041
11	011245352	172004	2549	8674	998.0	021/033 7		RAINB		042
12	011245132	173045	2423	874	—	—		RAINB	No winds below 885mb, RH heating cycles	-
13	011245165	173734	2431	8692	—	—			No launch detect-no winds; T, RH missing	-
14	011245380	175056	2419	8552	—	—		SW EYEWALL	Weak/poor telemetry, no/bad T+RH (no winds 900-975mb, NO SEND)	-
15	011245138	175809	2427	8519	947.5	116/10 5		EYE		050
16	011245354	180138	2428	856	958.6	148/74 126		E EYEWALL		051
17	011245286	180524	2446	8484	974.0	149/89 6		E Eyewall	PTH lost at 299mb-recovered before EOD; used RH2	-

20 08 24 32.8 85 23.0

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm KATRINA Dropwindsonde Scientists GAMACHE Page 2 of 2
 Flight ID 05082711 Flight Director DAMIAND Takeoff from MACDILL at UTC
 Mission ID 1312A KATRINA AVAPS Operators SANS SOUCI ORNEY Recovery at at UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd (kt)	hgt (m)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
18	011245350	182540	24.24	83.20	—	—	—			Intermittent winds ^{NOT SENT}	—
19	051926171	183544	24.04	83.4	—	—	—			RAINEX; UBLOX sonde - winds bad first 4s	—
20	044535110	184835	25 3	83.39	—	—	—			RAINEX; UBLOX sonde	—
21	051926173	185358	25 1	84.1	—	—	—			RAINEX; UBLOX sonde	—
22	043845060	190003	25 0	84.33	—	—	—			RAINEX; UBLOX sonde	—
23	011245378	192554	26 16	85.31	—	—	—				—
24	011245067	194309	25 41	86.49	—	—	—			NO WINDS	—
25	012225103	194431	25 39	86.46	996.0	33/33	7			DLD 13.5s; late winds 64s	58
26	012225150	195440	24 52	85.56	979.2	100/100	7		NW EYEWALL		65
						012/008	7				
27	012225084	200846	24 34	85.19	945.4	197/12	5		EYE		66
28	012225168	201418	24 56	84.56						NO LAG NO WINDS	1
28		↓	↓	↓							
29	012225060	2016	25 0	84.51							
28	012225060	201459	24.85	85.03	—	—	—		NE Eyewall	NLD - no winds, weak telemetry	—
29	012225168	201639	24 56	84.56	978	100/81	10		NE Eyewall		68
30	012225145	203434			999.9	118/51	5		Rainband		69

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