

0852Z
28°44'

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

Storm Katrina Dropwindsonde Scientist Lundson/Goldenberg Page 1 of 2
Flight ID 050829T Flight Director Shepherd Takeoff from MacDill at 0654 UTC
Mission ID WX12A Katrina AVAPS Operators H11 Recovery at MACDILL at 1530 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	Flight wind	UBLOX sondes	Ob #
1	051946009	084311	28.45	89.61	932.8	209/8 3.8	19.9	Seyewall	80	95	no observations above 901 mb	1 (18) ✓
2	051946012	084845	28.49	89.61	929.3	211/76 4.1	—	—	80	90	no observations above 901 mb	3 (25) ✓
3	051946006	084907	28.52	89.61	926.7	210/72 8.3	—	—	75	80	no observations above 892 mb	4 (27) ✓
4	051946011	084944	28.56	89.61	924.0	219/58 4.8	Not data	—	65	70	but no observations above 888 mb	5 (28) ✓
5	053116227	091233	28.80	89.64	916.3	254/14 8.1	7	Eyo	10	10	Good!	2 (22) ✓
6	051946010	092505	29.12	89.52	935.7	62/91 7.8	29.3	NE Eyewall	100	85	DLD 257s; no observations above 901 mb	6 (30) ✓
7	051926012	092528	29.16	89.59	—	—	—	—	95	90	PTH only 844-886 mb; no wind	— 32
8	051926143	092532	29.19	89.59	941.0	58/76 7.4	—	—	90	100	no observations above 901 mb	7 (33) ✓
9	051946013	092622	29.23	89.59	—	—	—	—	90	100	Observations only 822-879 mb; no wind	— 3120
10	051926149	094443	30.35	89.83	—	—	—	Rainband	—	90	over land - 544 to 548 mb; no wind	8 (35) ✓
11	044535109	095506	29.66	90.30	968.7	346/62 4.5	—	Rainband	—	90	over land; RH heating cycles	9 (35) ✓
12	051946005	101421	28.91	90.34	—	—	—	Rainband	90	90	No launch detect; weak/poor PTH telemetry; no observations below 898 mb	—
13	051926021	102103	28.95	89.75	926	253/43 5.3	—	Weyewall	60	75	RH heating cycles	10 (45) ✓
14	051946014	103008	N/A	N/A	—	—	—	E Eyewall	80	80	No data; DLD 161s; telemetry die	— 60
15	051926082	103032	29.02	89.22	935.4	148/99 5.3	—	E Eyewall	100	100	DLD 4.5s; occasional weak PTH telemetry; no launch detect	9 (41) ✓
16	044535102	104253	29.53	88.29	—	—	—	—	40	45	very late launch detect 266s	— 30
17	051926103	105740	30.12	87.37	—	—	—	NE Rainband	65	85	PTH telemetry weak/bad; spotty winds below 718 mb; telemetry lost below 723 mb; RH offset	11 (50) ✓

processed

1 (18) ✓

3 (25) ✓

4 (27) ✓

5 (28) ✓

2 (22) ✓

6 (30) ✓

7 (33) ✓

8 (35) ✓

10 (45) ✓

9 (41) ✓

11 (50) ✓

★ In some new sondes the flight level data is not grabbed. The App format got switched with "P00". Just edit the files and change it back before running editsonde.

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

Storm KATRINA Dropwindsonde Scientists GOLDENBERG/LANDSEA Page 2 of 2
 Flight ID 050320T Flight Director Shepherd Takeoff from MOBILE at 0654 UTC
 Mission ID WX12A KATRINA AVAPS Operators Hill 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)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	FO3ht	Ob #	
✓ 18	051946026	110734	30.20	89.54	984	98/66 12			90	90	Weak/bad telemetry Spotty no winds 661-701 mb; 801-907 mb; RH heating cycles	12
✓ 19	051926110	111335	30.20	89.18	977	85/72 14			80	100	PTH telemetry lost 816-927 mb; no winds 807-927 mb; RH heating cycles	13
✓ 20	051946036	111727	30.14	89.54	971.6	66/86 36			80	95	good sonde	14
✓ 21	051926201	112647	29.30	89.54	937.2	66/97 17		NE Eyewall			good sonde	15
✓ 22	051926114	112711	29.55	89.54	932.7	64/74 17		NE Eyewall			good sonde	16
✓ 23	051926111	120844	30.10	89.43	962.4	73/83 20		N Eyewall	90	115	NE edge - low coast, RH heating cycles	17
✓ 24	051946058	120933	30.13	89.50	—	—			85	112	Telemetry + winds lost at 857 mb; RH heating cycles	18
✓ 25	051946004	121021	30.17	89.36	963.4	42/68 10			85	100	rh adjust	19
✓ 26	053116086	122206	30.08	90.25	970.3	01/74 10		NW Eyewall	72	90	new of center	20
✓ 27	053116226	123024	29.73	89.76	931.2	07/72 10		NW Eyewall		40	DLD 100S	21
✓ 28	051946007	124215	29.50	88.88	—	—		E Eyewall			NLD; intermittent Windsat BOD	22
✓ 29	053116061	130641	30.19	88.48	976.9	138/111 237		NE Eyewall			flaky winds; near EFC; tower	23
✓ 30	053116094	131320	30.14	88.99	—	—		EE Eyewall			Telemetry + winds lost below 677 mb	X
✓ 31	053116062	132510	30.10	88.81	—	—		EE Eyewall			Intermittent PTH telemetry + winds	X
✓ 32	051926016	132559	30.17	88.88	—	—		EE Eyewall			No PTH telemetry + winds 657-930 mb; RH 2	X
✓ 33	053116233	132648	30.25	88.98	—	—		NE Eyewall			Fast fall; no observations above 915 mb; many winds doubtful	X
✓ 34	053116068	132736	30.29	89.02	—	—		NE Eyewall			No data until EOD - bad telemetry	X
✓ 35	051926022	134058	30.17	89.63	939.7	37/58 9m		Inner Edge NW Eyewall			rh 2 Big PRR near center	23
✓ 36	044535124	135020	29.89	89.12	948.8	143/89 9		E eye wall			Good sonde	24

800
800

43mb
bad
at 2000

fl + data

m 52 977

fl + data

turn ON

fl + data

fl + data

fl + data