

25°44' 1973
08912

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

Storm Rita Dropwindsonde Scientists M. Black / M. Bell Page 1 of 3
Flight ID 050922H Flight Director T. Shepard Takeoff from MacDill at 1532 UTC
Mission ID WX18A RITA AVAPS Operators B. Kerr / BILL OLNEY Recovery at MACDILL at 2337 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 #
1	044415164	171100	25.59	88.47	966	136°/72	6	27.1		(UBLOX sondes) 40 n.m. rad. us Outer eyewall E side ✓	7
2	051926271	172547	25.59	89.15	—	—	—			ELP 9 min, 49s; no winds above 815 mb; no W eyewall outbound data below 815 mb	RAINEX
3	042815074	173029	26.58	89.52	971	336°/73	10			Outer eyewall W side ✓	11
4	044535012	180022	25.20	89.03	966	237°/97	17	28.5		RH heating cycles Outer eyewall S side ✓	15
5	051926228	180502	25.50	89.03	923	225°/65	58			Eyewall S side ✓	16
6	051926242	180913	25.80	89.03	931	51°/116	16			Eyewall N side ✓	17
7	043625180	181408	26.11	89.03	970	68°/77	16			Outer Eyewall N side ✓	18
8	053166012	183229	25.72	89.32	940	342°/79	5			Outer No PTH 854-906 mb; no winds 854-906 mb NW Eyewall ✓	20
9	053166105	183241	25.72	89.31	937	324°/89	17			No PTH 852-906 mb; no winds 854-906 mb NW Eyewall RH heating cycles ✓	21
10	053166084	183254	25.71	89.30	935	319°/88	10			No PTH 846-891 mb; no winds 826-891 mb NW Eyewall ✓	22
11	053166157	183308	25.70	89.25	937	—	—			No PTH 773-888 mb; no winds below 858 mb NW Eyewall ✓	23
12	053166159	191842	25.79	89.45	943	342°/81	30			No PTH 823-909 mb; no winds 817-908 mb W Eyewall RH heating cycles ✓	26
13	053166018	191900	25.79	89.43	—	—	—			No PTH 823-909 mb; no winds 817-908 mb W Eyewall ✓	26
13A	053166013	191901	25.79	89.43	—	—	—			Channel 11 - stay on channel 45 W Eyewall	26
14	053166163	191927	25.78	89.40	—	—	—			No telemetry until 898 mb W Eyewall	
15	053166073	191949	25.77	89.38	—	—	—			No telemetry until 894 mb W Eyewall	
16	053166155	195543	25.88	89.49	—	—	—			W Eyewall (No winds)	
18	053166156	195617	25.86	89.46	—	—	—			W Eyewall	

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Storm RITA

Dropwindsonde Scientists _____

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Flight ID 050922H

Flight Director _____

Takeoff from _____ at _____ UTC

Mission ID _____

AVAPS Operators _____

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 #
19	053166162	195603	25.87	89.48	—	—	—			W Eyewall	
19	053166077	195636	25.85	89.45	—	—	—			W Eyewall; NLD	
20	053166099	202407	25.73	89.57	939	306/90	15			SW Eyewall; RH heating cycles ✓	29
21	053166108	202425	25.74	89.55	—	—	—			SW Eyewall	
22	053166017	202443	25.75	89.53	—	—	—			SW Eyewall; RH heating cycles	
23	053166006	202508	25.76	89.51	—	—	—			SW Eyewall; RH heating cycles	
24	051926243	203444	25.60	89.71	960	287°/103	21			RAINEX SW OUTER EYEWALL	30
25	051926241	203538	25.57	89.77	—	—	—			RAINEX SW OUTER EYEWALL	
28	053166165	210004	25.75	89.08	—	—	—			SE EYEWALL (outer)	
29	053166143	210005	25.74	89.06	959	158°/98	13			SE EYEWALL (outer)	31
30	053166164	210041	25.74	89.05	—	—	—			SE Outer Eyewall	
26	051926235	205220	25.75	89.47	—	—	—			SE Outer Eyewall	RAINEX
27	041724016	205625	25.84	89.27	—	—	—			SE Outer Eyewall	RAINEX
31	051926249	211613	26.28	89.71	—	—	—			NW Outer Eyewall	RAINEX
32	0519262239	211707	26.24	89.69	—	—	—			NW Outer Eyewall	RAINEX
33	053166008	212001	26.11	89.61	—	—	—			NW eyewall	
34	053166107	212023	29.09	89.60	937	37°/101	5			NW eyewall	36

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Flight ID 050922H Flight Director _____ Takeoff from _____ at _____ UTC

Mission ID _____ AVAPS Operators _____ Recovery at _____ at _____ UTC _____

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