

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

Storm IVAN Dropwindsonde Scientists LANDSEA Page 1 of 2
 Flight ID 04041572 Flight Director MARTIN MAYEAR Takeoff from Mc DILL at 1726 UTC
 Mission ID NOAA 4109A AVAPS Operators GOLDSTEIN / CARPENTER / ROLES 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)	DLM wind (kt)	Comments	700 mb RH %	SATCOM tries	Ob #
1	034615056	1749 31	26.13	83.99	1007.7	160/33 10	190/47	IN CIRRUS Last RH bad	84	✓	1
2	034745007	1807 24	28.08	85.05	1005.6	140/40 8	175/56	Alto Stratus below late wind 55 sec	74	✓	2
3	034538062	1825 37	30.13	86.13	1007.4	135/65 40/16	155/54	Top of Cirrus Dry Late winds - backup sent late - 180 sec	74	✓	3
3A	034555197	1828 17	29.86	86.18	1004.5	140/80 24/4	155/60	Top of Cirrus No RH + 10 sec backup sent late wind 90 sec no RH alt 600 50 sec	74	✓	4
5	034615143	1855 32	26.45	86.10	1000.9	170/4 6	205/60	In Cirrus Late winds 60 sec	73	✓	6
6	034555139	1910 09	25.67	87.59	1001.4	205/31 8	240/50	In Cirrus	73	✓	7
7	034745004	1924 17	25.68	89.45	1000.7	260/27 4	280/36	CU ADV SE humid, AS/NS below late winds 45 sec	81	✓	8
8	034715005	1938 15	26.70	90.92	1001.7	315/24 7	315/31	Thin SE below Stratus below	30	✓	9
4	040425102	1940 38	28.45	86.08	998.2	130/50 20	165/66	IN CIRRUS Late winds 50 sec	84	✓	5
9	034615165	1958 21	28.37	91.56	1001.8	350/26 12	360/25	Thin SE, below 550 this set AC	65	✓	10
10	034718006	2004 10	27.07	88.99	1005.6	335/15 7	325/15	Thin SE, below 550 this set AC	49	✓	11
11	034245015	2023 02	27.85	94.89	1006.0	15/10 4	35/15	10% Str Cu Bed Last RH superadiabatic spec dryer	34	✓	12
12	034555079	2047 41	25.04	93.45	1006.6	320/12 39	285/18	Clear superadiabatic spec dryer	42	✓	13
13	034555096	2102 19	24.06	92.01	1005.6	290/18 4	290/15	10% Str Cu	42	✓	14
14	034745010	2120 81	23.06	90.47	1005.8	280/15 7	260/13	20% Cu	39	✓	15
15	034718007	2137 18	23.25	89.73	1007.2	235/17 4	245/19	20% Cu	34	✓	16
16	034718005	2154 47	23.50	86.50	1007.8			In thin Cirrus No wind whole way		✓	17

Corrected NOT sent (not a low) * Sent corrected rpt w/ Temps deleted to 450 mb

FAST FALL EARLY TEMPS SUSPICIOUS

FLAGGED 1-40 sec

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 Flight ID 04001562 Flight Director MAYEAU Takeoff from Mc DILL at 1726 UTC
 Mission ID N0999 4109A AVAPS Operators CARPENTER/ROLES/GOLDSTEIN Recovery at SNANNAH at 0129 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	200 mb only RL	SATCOM tries	Ob #
16A	034615120	215641	23.53	86.26	1008.8	185/17	7m	220/22	In Cirrus	532	✓	18
17	034555097	221225	23.75	84.25	1010.1	185/15	4m	200/22	Cirrus below FLAG RH TO 135 sec. delete winds 56-62 sec	532	✓	19
18	034718004	223000	23.99	82.00	1011.7	130/12	7	185/14	50% ACU	340	✓	20
19	034555170	224714	23.14	79.93	1012.5	95/16	4	110/6	CLEAR.	36%	✓	21
20	034615188	230416	23.97	78.09	1013.4	110/14	7	80/9	10-20% Cu nowinds 180-500s	192	✓	22
21	034718002	232367	25.97	77.95	1014.9	105/18	4	85/5	100% SCU Bud Last superadiabatic RH RH she layer - flag RH to 120s	212	✓	23
22	034745008	234050	27.01	76.14	1016.9	100/13	7	45/7	dark flag RH to 150s	422	✓	24
23	034745032	235758	28.01	77.91	1016.1	210/5	0.024	310/9	dark no winds after 450s delete 70-90s winds	342	✓	25
24	034655185	001738	30.01	77.03	1017.8	130/16	7	285/4	Very dark! flag RH to 150s	422	✓	26
25	034745003	003711	31.83	78.02	1017.9	120/11	4	270/8	quite dark flag RH to 120s she superadiabatic layer	✓	✓	27
26	034745022	005305	30.12	79.03	1017.0	120/15	4	185/10	really dark - had to retransmit to HAPS Late winds 60s	✓	✓	
									outflow on south side			
									LAST of outflow			
									200mb - no shear - some indication light undercattling at 250 +300mb			
									500 - quite dry Sent west side - 700mb dry farther away			
									4 gales early in flight			