

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

Storm_Dennis_____ Dropwindsonde Scientists_Aberson_____ Page 1 of 2
 Flight ID_050707N_____ Flight Director_Damiano_____ Takeoff from _MacDill_____ at _1802_ UTC
 Mission ID_0504A DENNIS AVAPS Operators_Kerr, Tong_____ Recovery at _MacDill_____ at _0210_ 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	SATCOM tries	Ob #
1	43845129	184616	25.2	78.31	1014.3	7621	7.4	9520	Cu congestus; intermittent winds 275-355 mb		1
2	44245103	190902	23.01	79.18	1011.4	9610	7.3	9021	Lots of nearby Cb, cirrus, possible -2.3 mb p bias; RH heating cycles		2
3	43625086	192000	22.6	77.82	1010.6	8731	13.1	9525	Cirrus, slight dry bias, possible -2.3 mb p bias		3
4	43625113	193504	21.79	76.26	1009.9	10225	4.2	10527	Cirrus above, Scu below, possible -2.6 mb p bias		4
5	43625120	195304	24.01	75.9	1013.3				Dusty, no winds, possible -2.2 mb p bias		5
5A	43625075	195445	24.08	75.7	1013.7	9623	7.4	11021	dusty		6
6	43625008	200813	24.5	74	1015	10021	7.8	12018	Cirrus above, Scu below, slight dry bias	1	7
7	43625025	202347	25	72	1009.3	10417	7.3	13510	Cirrus above, Scu below; telemetry drop out 732-749 mb		8
8	43625065	203844	24.88	70.02	1017	14506	35.1	14506	20% Cu, possible -2.2 mb p bias		9
9	43845205	205404	23	69.99	1016.6	12917	6.9	14510	Scu below, cirrus above		10
10	44245111	211106	21.1	69.23	1016	10621	7.2	14014	Cirrus, late winds		11
11	43625125	214020	23	72.04	1015.2	10719	4.2	14017	Cirrus, late launch detect		12
12	43625121	215603	22.94	73.94	1014	10119	3.8	13522	Cirrus, possible -2.2 mb p bias		13
13	43625114	221226	21	74	1012.4	13825	7.2	14534	Cirrus, possible -2.4 mb p bias		14
14	43625060	223626	19.54	75.61	1007.6	12733	4	15548	Cirrus		15
15	43625091	225427	17.98	74.31	1010.5	12727	289.6	18031	Cirrus possible -2.6 mb p bias		16
16	43845206	231014	18.01	76.18	1005.1	16535	11	21036	cirrus		17

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Storm _____ Dropwindsonde Scientists _____ Page ____ of ____

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

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

[illegible]

If no winds, don't automatically plot
If no winds, it says 0000

1802 TO

N49RF AOC GPS Dropwindsonde Log

Flight ID 050707A

Flight Director DeMaso

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Mission ID 05044 JPKWS

Storm _____

Drop#	Sonde ID#	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Prs mb	WX Cond. Sfc wind	Comments	OB # DLM	SatComm Failure	Send Time (UTC)
1	043845129	184616	25.20	78.31	1014.3	076/21 7.4m	Cu, congested	095/20		01
2	044245103	190902	23.01	79.18	1011.4	096/10 7.3m	Distorted by -2.3mb pb bias	090/21		02
3	043625086	192000	22.60	77.82	1010.6	087/31 13.1m	cirrus -2.3mb pb bias	095/25		03
4	043625113	193504	21.79	76.26	1009.9	102/25 4.2m	cirrus -2.6mb pb bias	105/27		04
5	043625120	195304	24.01	75.90	1013.3	— —	cloudy, no winds	—		05
5A	043625075	195445	24.08	75.70	1013.7	096/23 7.4m	cloudy	110/21		06
6	043625008	200813	24.50	74.00	1015.0	100/21 7.8m	convective SCL below	120/18	1	07
7	043625025	202347	25.00	72.00	1009.3	104/17 7.3m	convective SCL below	135/10		08
8	043625065	203844	24.88	70.02	1017.0	104/08 35.1m	20% Cu, -2.2mb pb bias	145/16		09
9	043845205	205404	23.00	69.99	1016.6	129/17 6.9m	SC below, convective	145/10		10
10	044245111	211106	21.10	69.23	1016.0	106/21 7.2m	Cirrus, late winds	140/14		11
11	043625125	214020	23.00	72.04	1015.2	107/19 4.2m	Cirrus, late winds detected	140/17		12
12	043625121	215603	22.94	73.94	1014.0	101/19 3.8m	Cirrus, -2.2mb pb bias	135/22		13
13	043625114	221226	21.00	74.00	1012.4	138/25 7.2m	Cirrus, -2.4mb pb bias	145/34		14
14	043625060	223626	19.54	75.61	1007.6	127/33 4.0m	Cirrus	155/48		15
15	043625091	228427	17.98	74.31	1010.5	127/27 29.6m	Cirrus, -2.6mb pb bias	180/31	1	16
16	043845206	231014	18.01	76.18	1005.1	165/35 11m	Cirrus	210/36		17
17	043625063	232627	17.09	77.82	1007.3	204/23 4.5m	convective	255/19		18
18	043625104	234136	16.93	79.70	1007.1	239/14 7.0m	Cirrus, -2.2mb pb bias	310/11		19
19	043625007	235016	18.05	81.20			Cirrus, bomb falling equatorward			—
19A	043625000	235838	18.32	81.29	1008.1	330/06 7.1m	Cirrus	015/15		20
20	043625090	1100	19.77	81.73	1009.0	349/17 10.1m	SC above below -2.4mb pb bias	040/16		21
21	043625107	2426	21.28	81.31	1009.0	356/16 7.2m	SC above below lightning	060/17		22
22	043625124	3852	21.38	83.15	1009.9	024/08 22.9m	Cirrus, convective, lightning	060/15		23
23	043625111	5551	21.94	85.04	1012.1	035/16 6.8m	Ci, -2.3mb pbias, late wind	065/13		24
24	044245035	11204	23.22	83.70	1012.6	025/19 35.9m	Ci	075/14		25
25	044245003	12433	24.16	84.89	1013.2	046/16 6.8m	late winds, -2.1mb pbias	080/13		26
25A	043625010	12658	24.10	84.73			lightning			—
26	043845204	13748	25.50	84.00	1014.4	031/12 4.4m	lightning, distance	090/14		27