

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

Storm TD03 (Cindy) _____ Dropwindsonde Scientists Aberson _____ Page 1 of 2
 Flight ID 050704N Flight Director Damiano Takeoff from MacDill _____ at 1810 UTC
 Mission ID 0303A CYCLONE AVAPS Operators_Carpenter, Tong Recovery at MacDill _____ at 0240 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	SATCOM tries	Ob #
1	42215069	185721	30.06	86.44	1018.5	18708	7.3	20516	Undercast, late winds, possible -2.1 mb pressure bias; RH heating cycles	4	1
2	42215072	191413	28.89	87.93	1017.7	13712	93.6	18017	undercast; RH heating cycles	1	2
3	42115169	193228	27.01	87.18	1018.3	11710	7.5	16022	undercast	2	3
4	42215088	194624	27.02	89.01	1012.4	12117	12.4	14515	Stratus below	2	4
5	32815009	200243	27.78	90.92	1015.8	8510	4.2	16511	Some convection below	1	5
6	42115163	202459	25.38	90.2	1014	9516	7.5	12013	In cloud	2	6
7	33048011	203758	25.41	91.94	1013	6912	24.2	11505	Some convection below	1	7
8	42215070	205235	26.99	93.01	1014.4	8906	7	16506	clear	1	8
9	42215003	211536	28.33	95.65	1014.3	14812	7.2	17504	10% low Cu	1	9
10	42215093	213546	26	94.99	1013.3	12508	7	16505	10% low Cu	1	10
11	41715010	215520	24.2	93.47	1012.7	6708	4.4	16003	10% low Cu	1	11
12	42215053	221122	22.62	94.15	1011.9	9704	136	18003	10% low Cu, bad winds near surface	1	12
13	42215067	223006	23.93	96.08	1012.2	13408	6.6	17505	clear	1	13
14	42215030	224602	22.86	97.57	1011.2	13012	7	15507	Thin cirrus, late winds 77s	1	14
15	42115178	230213	21	96.99	1010.5	9914	4.8	16010	Cirrus above, clear below	1	15
16	42715005	232522	19.13	94.89	1011.1	7808	4.5	13007	Cirrus above, clear below	2	16
17	43625015	234333	20.64	93.33	1011.7	28300	7	8502	Cirrus, 20% Cu below	1	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
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N49RF AOC GPS Dropwindsonde Log

Flight ID 050704N Flight Director Damiano Page of

Mission ID 0303A CYCLONE Storm TDO3

Dale Carpenter
Ray Tong

Drop#	Sonde ID#	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Prs mb	WX-Cond: Sfc wind	Comments	DB # DLM	SatComm Failure	DB # Send Time (UTC)
1	042215069	185721	30.06	86.44	1018.5	187/08 7.3m	undercast, low winds, bias -2.1 mb	205/016	111	01
2	042215072	194113	28.89	87.93	1017.7	137/12 93.6m	undercast	180/017		02
3	042115169	193228	27.01	87.18	1018.3	117/10 7.5m	undercast	160/22	1	03
4	042215088	194624	27.02	89.01	1012.4	121/17 12.4m	stratus below	145/15	1	04
5	032815009	200243	27.78	90.92	1015.8	085/10 4.2m	some convection below	145/11		05
6	042115163	202459	25.38	90.20	1014.0	095/16 7.5m	in cloud	120/13	1	06
7	033048011	203758	25.41	91.94	1013.0	069/12 24.2m	some convection below	115/05		07
8	042215070	205235	26.99	93.01	1014.4	089/06 7.0m	clear	165/06		08
9	042215003	211536	28.33	95.65	1014.3	148/12 7.2m	10% low Cu	175/04		09
10	042215093	213546	26.00	94.99	1013.3	125/08 7.0m	10% low Cu	165/05		10
11	041715010	215520	24.20	93.47	1012.7	067/08 4.4m	10% low Cu	160/23		11
12	042215053	221122	22.62	94.15	1011.9	097/04 13.6m	10% low Cu, background near surface	180/03		12
13	042215067	223006	23.93	96.08	1012.2	134/08 6.6m	clear	175/05		13
14	042215030	224602	22.86	97.57	1011.2	130/12 7.0m	thin cirrus, low winds	155/07		14
15	042115178	230213	21.00	96.99	1010.5	099/14 4.8m	cirrus above, clear below	160/10		15
16	042715605	232522	19.13	94.89	1011.1	078/08 4.5m	cirrus above, clear below	130/07	1	16
17	043625015	234333	20.64	93.33	1011.7	283/00 7.0m	cirrus 20% Cu below	065/02		17
18	042115192	235807	19.67	91.87	1011.6	351/02 4.4m	cirrus streaks below	076/04		18
19	043625037	829	19.62	90.70	1012.1	002/04 N/A	near convection	065/05		19
20	043625040	3330	21.70	88.74	1012.6	099/10 7.0m	cirrus, near convection below -2.6 mb bias	205/11	1	20
21	042715125	5037	21.80	86.67	1015.1	133/14 7.0m	cirrus, near convection below -2.6 mb bias	165/21	RH bias	21
22	042115150	10220	23.01	86.10	1016.0	142/19 6.7m	undercast -2.0 mb bias	160/24		22
23	042115008	12320	24.33	88.33	1013.6	150/23 7.3m	convection reaching plane, dark winds -1.6 mb bias	155/31	-2.4 mb bias	23
24	043625029	14223	25.05	86.00	1016.8	112/19 6.7m	convection, -2.0 mb bias	140/23	1	24
25	042815126	20021	27.00	85.00	1018.8	109/12 6.7m		165/15	11	25 Part

185/09
135/13
120/10
120/18
095/12
095/17
070/13
090/07
145/12
125/10
070/08
100/05
130/09
130/12
100/14
080/08
285/02
385/03
360/05
100/11
135/15
140/21
150/24
115/20

convection
LST WND 013
LST WND 012
into convection