

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

Storm TD9 (AL09) Dropwindsonde Scientists BRAMMER Page      of     

Flight ID 20160831I1 Flight Director WILLIAMS Takeoff from MACDILL at 1550 UTC

Mission ID NDA03 AVAPS Operators RICHARDS Recovery at MacDill at 0029 UTC

1009A CYCLONE

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	Ob #
1		17:28:49	25.74	-86.43	1007.9	146.4/30 7.7			IP turn for center pass E to NW	5
2		17:48:26	24.59	-87.14	1004.9	189.5/30 13.5			Midpoint - center drop	6
3		18:03:11	25.30	-87.82	1004.4	22.7/6 10			center drop	7
4		18:15:38	25.86	-88.45	1005.4	41.8/15 10			midpoint outbound - clear skies	8
5		18:30:35	26.54	-89.20	1006.8	32.7/15 10			NW rain - turn from pass clear	11
6		18:59:16	24.79	-88.57	1004.6	323.8/12			SW turn point mostly clear below to ocean.	13
7		19:21:58	25.27	-87.12	1004.2	160.1/2 10			center drop 2nd pass convection ground center moderate turbulence	14
8		19:39:20	26.08	-86.18	1006.2	159.9/25 10			midpoint outbound NE quad. mostly stratiform precip	15
9		19:48:13	26.53	-85.69	1007.7	148.7/20 10			NE turn point low level clouds below. FB winds at 25 kts	18
10		20:13:12	27.18	-87.40	1006.3	103.6/10 10			W Turn Point. pretty clear, scattered clouds	20
11		20:27:11	26.29	-87.61	1004.6	42.6/15 8.3			midpoint inbound on N-S shallow con cirrowounding	21
12		20:48:34	25.10	-87.22					center drop, maybe missed, glimpsed eastern edge of center mesovortex on S side	23
13		21:01:26	24.31	-87.42	1004.4	202.6/35 22			midpoint outbound	24
14		21:20:23	23.24	-87.44	1006.8	199.9/25 10			S Turn Point	25
15		21:42:28	23.95	-85.89	1006.5	172.7/30 10			SE Turn towards center pass	26
16		22:01:11	24.59	-86.44	1004.9	184.1/30 10			midpoint inbound. Stratiform precip	29
17		22:11:49	24.97	-87.09	1001.7	122.1/7 10			center point CC seems to be lining up. steady winds all the way	30
18		22:28:46	25.70	-87.95	1002.6	61.7/6 10			midpoint outbound (way) NW quad	33
19		22:39:20	26.19	-88.49	1004.1	39.5/18 10			NW Turn. riding along cloud tops. clear above	34
20		22:57:39	25.06	-88.17	1002.9	35.7/1 10			W Turn. <del>not</del> similar to above, all greater on the North west quadrant	36
21		23:12:58	25.28	-88.18	1001.2	126.7/8 10			center drop - clear to NW, line of convection NE to SW	37

QC issue manually ignored below 830 to restore good data

P.10

Cont. d

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23.25.14 | 25.29 | -86.33 | 1004.8 | 181<sup>5</sup>/<sub>30</sub> | 10 | | mid point outbound Easternside | 38

23

23.40.56 | 25.38 | -85.18 | 1007.7 | 166<sup>6</sup>/<sub>25</sub> | 8.2 | | E point, Turn home. Scattered cu below, avail above. | 41

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