

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

Storm Genesis/IFEX Dropwindsonde Scientist's Krystal Valdez Page 1 of 2
 Flight ID 050716I Flight Director MARTY MAYAUX Takeoff from MROC at 052327 UTC
 Mission ID WXWETRAIN AVAPS Operators ouney / san souci Recovery at MROC at 125523 UTC

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	042815059	054526	8°59.8	84°59.5	1010.5	250/14 7			FLH winds shoreward (20-25 kts) strong RH heating cycles	3
2	042715347	060024	7°59.8	84°59.9	1010.3	218/17 7			wind direction @ 850mb (134°-211°) → FLH ^{strong} _→ LVL winds (15-20 kts)	7
3	042825048	063613	5°29.7	84°59.8	1010.3	—	27.2		no winds below 813 mb nost winds, late winds (5 kts)	10
4	043625783	065542	6°43.2	85°35.6	1009.5	26/16 7			SW winds,	13
5	043625740	070736	7°31.7	85°59.5	1009.3	227/10 7			strong FHul winds - 15-20 kts	14
6	043615722	071713	8°11.5	86°19.2	1009.7	226/10 7			—	15
7	042715027	072657	8°50.9	86°39.4	1009.2	187/7 7			—	20
8	040925273	073632	9°31.2	86°57.0	1008.7	216/13 7	27.8		late winds (8 kts)	21
8a	042815230	073905	9°35.2	87°4.6	1009.6	184/20 10			"back-up sonde", nost winds, ^{strong} winds _→ below 850mb	23
9	043625782	075731	8°45.3	87°22.6	1008.9	264/17 7			0.7 humidity bias Applied.	25
10	043625175	080337	7°59.2	87°41.7	1008.5	238/21 7			—	
11	043625777	081915	6°59.2	88°14.4	—	246/17 8			did not reach surface dry above 700mb, 0.9 humidity bias Applied	001
12	043615717	082508	5°59.6	88°4.8	1008.9	205/20 7	27.5		late winds (6.75)	003
13	043625756	084820	5°58.0	89°14.8	1009.4	218/15 21			no s/e winds, winds @ 1000mb 205°/8.9 kts	005
14	043615714	085831	7°6.5	89°46.6	1008.6	234/20 4			—	007
15	043625776	090104	7°50.1	90°8.4	1007.8	233/13			late winds (1025); intermittent winds	10
16	043625778	092242	8°45.4	90°36.4	1008.2	252/18 7			RH heating cycles	12

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