

# HRD GPS Dropwindsonde Scientist Log (Revised 6/1999)

Storm DENNIS  
 Flight ID 990828H  
 Mission ID VXWA DENNIS

Flight Director CZYZYK  
 Dropwindsonde Scientists LANDSEA  
 AVAPS Operators McMILLAN

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 Takeoff 1737 UTC  
 Landing        UTC

Flight level

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	10m wind (kn)	MBL wind (kn)	BT SST (°C)	Location Comment	Comments	Ob #	ID#
✓ 1	98232557	181937	30°52'	67°4'	1016	45/6	50/5	—	5% Cu below	Good sonde (PTHW) <sup>100</sup> <del>100</del>	1	4
✓ 2	984715335	185244	29°2'	64°03'	1015	150/100	155/9	—	10% Cu below	Good sonde (PTHW)	2	6
✓ 3	984325245	191859	29°3'	71°27'	1014	—	—	—	15% Cu below	No winds	3	8
✓ 4	984325309	192156	29°3'	71°43'	—	—	—	—	10% Cu below	No launch defect. Not worked up	—	—
✓ 5	984325526	192418	29°2'	71°53'	—	—	—	—	5% Cu below	No launch defect. Not worked up	—	—
160°/30 ✓ 6	984325531	194444	29°0'	73°42'	1010	120/22	135/14	—	Clear	Good PTHW	4	9
130°/70 ✓ 7	984325249	201443	29°2'	76°3'	1003	—	—	—	40% str Cu + Cu below	No launch defect (50% + 150% m) <sup>NO WINDS</sup>	5	11
140°/70 ✓ 8	990415406	201904	28°58'	76°24'	1001	110/45	115/57	—	10% Cu below	Good PTHW	8	18
125°/65 ✓ 9	990415216	203132	28°26'	77°11'	984	85/66	90/82	28-7	In cloud - eye wall	NE side (inner edge) (No winds first 70s)	6	13
Calm ✓ 10	990845134	204019	27°56'	77°37'	969	60/9	45/8	—	eye 75% cut str	Cu below Good PTHW	7	17
100°/70 ✓ 11	990435513	205740	27°0'	78°35'	1000	905/42	310/57	—	In cloud - (Rainband - close to)	(winds at 100s)	9	22
320°/35 ✓ 12	910435514	210507	26°38'	78°57'	1003	280/30	285/41	—	50% Cu below	No winds first 70s	10	23
320°/35 ✓ 13	990845064	211652	26°0'	79°32'	1006	285/21	290/30	—	25% Cu below	Good PTHW	11	24
260°/35 ✓ 14	990415405	213925	25°29'	77°38'	1006	240/28	245/35	—	Clear	Good PTHW	12	25
265°/55 ✓ 15	990415400	215632	26°46'	77°38'	999	240/39	255/53	—	100% strat	Cu below Good PTHW	13	27
105°/70 ✓ 16	990415358	222611	28°52'	77°39'	988	38/107	45/85	—	In cloud - eye wall	Good PTHW Good PTHW	14	31
100°/60 ✓ 17	990845130	223202	29°18'	77°39'	998	50/52	35/54	29.1	In cloud	Rainband - 5mi from eye 41006	15	32
80°/55 ✓ 18	990415060	224047	30°33'	77°47'	1007	70/29	70/36	29.2	In cloud	50% Cu below Good PTHW	16	34

27°53' from AF  
 77°33'

2  
 7737

