

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

Storm Dennis Dropwindsonde Scientists Shirley Murillo, Peter Dodge Page 1 of 2
 Flight ID 050706I Flight Director Marty Mayeaux/TOM SHEPHERD Takeoff from MROC at 2156 UTC
 Mission ID WX04A Dennis AVAPS Operators Damon San Souci Recovery at MROC at 0600 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd (kt)	hgt (m)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
			15	73.19	12						
✓1	042115153	04139	15.037	73.194	1011.6	248/29	N/A			RH heating cycles; not sending very strong sonde	+
✓2	040925118	04628	15.40	73.19	1004	—	—			DLD 4s	24
✓3	042115161	05129	16.119	73.211	985	225/61	10		SE Eyewall	RH heating cycles	29
4	035135048	01007	16.38	73.22	980.1	—	—			not sending; no a/c PTH data; telemetry died right after launch to 691 mb; no winds until 693 mb	+
✓5	040925137	10251	16.556	73.210	986.3	30/62	5		N Eyewall		32
✓6	040925058	11118	17.166	73.210	1004.8	80/42	10			PTH telemetry poor for first 38s	35
✓7	040925135	11621	17.541	73.210	1007	80/41	10	28.0			41
✓8	040925093	13769	16.300	73.290	978.8	180/19	7		eye		37
✓9	040925158	14081	16.115	73.315	990.7	220/59	119		SE Eyewall	Late winds 61s	45
✓10	042415290	21227	15.499	74.209	1006.7	276/22	7				107
✓11	042415133	21757	15.794	73.898	1023.3	270/33	10	28.2		dry bias? RH heating cycles	50
✓12	042115017	22559	16.249	73.413	982.3	244/54	8		SE Eyewall	No poor PTH telemetry first 46s; dry bias correction	105
✓13	042415135	23933	16.167	73.559	990.0	225/62	5		SW →	telemetry dropout 859-880 mb; RH heating cycles	59
✓14	040925258	24553	16.527	73.374	985	85/70	45		NE Eyewall	eyewall sonde	64
✓15	042415310	25420	16.981	72.892	1002	115/53	10	28.0			69
✓16	042815050	25815	17.20	72.603	1006.8	116/39	6			DLD 6.5s; late winds 90s	85
✓17	034615133	32425	16.388	73.615	975	—	—			eye drop; no winds below 753 mb	84

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Storm Dennis Dropwindsonde Scientist's Shirley Munillo & P. ~~Leight~~ Dodge Page 2 of 2
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Mission ID WX04A Dennis AVAPS Operators Damon San Souci Recovery at MROC at 0600 UTC

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