

HRD GPS Dropwindsonde Scientist Log (Revised 6/1999)

Storm DENNIS

Flight Director Jack Parrish

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Flight ID 990830n

Dropwindsonde Scientists Dorst & Goldenberg

Takeoff 1800 UTC

Mission ID NOPAA 2605A

AVAPS Operators C. Pradas & Smith

Landing 0158 UTC

DENNIS

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 #	SAT COM FAIL	SONDE FAIL
✓ 01	992435027	182744	39.07	71.82				-	N. ATLANTIC	100% OBSCURED NO WINDS	-		
✓ 01A	992435207	182920	39.00	71.50	1016.3	45/29	40/34	-	"	"	✓ 1		✓
✓ 02	992435227	184037	39.02	69.48	1015.3	-	35/32	-	"	" NO 400mg WINDS	-		✓
✓ 02A	992435226	184522	39.02	68.59	1015.3	30/28	30/31	-	"	" SENT IN LEV of 02	✓ 2		
✓ 3	992435058	185344	38.92	67.05	1014.5	15/29	15/30	-	"	"	✓ 3		
✓ 4	992435015	191412	36.55	67.08	1012.7	5/30	5/35	-		100% Ci below RH2 ^{RH adj} used	✓ 4		
✓ 5	992435053	193123	36.50	69.38	1012.7	55/12	60/15	-	NE of G	RH adj 420.930	✓ 5		
✓ 6	992435205	194811	36.44	71.67	1008.8	75/33	75/39	-			✓ 6		
✓ 7	992435219	200905	34.04	71.65	1002.5	175/37	175/50	-	CPA		✓ 7		
✓ 8	991845318	202357	34.00	69.38	1010.2	-	190/28			(*)	✓ 8		
✓ 9	991845317	203931	33.90	67.04	1012.1	205/16	210/21			20% Cu	✓ 9		
✓ 10	992435059	205911	31.56	67.08	1014.2	215/17	215/21			50% Cu - "Finger Bands"	✓ 10		
✓ 11	992435012	211854	31.50	69.57	1011.0	210/20	215/28			50% Cu Had to retransmit + tel	✓ 11		
✓ 12	992435223	213913	31.50	72.24	1008.8	245/27	250/27			20% Cu	✓ 12		
✓ 13	992435024	220015	31.50	75.62	1010.9		310/28			100% - close to Cu	✓ 13		
✓ 14	992435228	222050	31.44	78.42	1012.7	010/16	010/19			2%	✓ 14		
✓ 15	992435221	224132	29.06	78.42	1011.9	34007	34006			30% low	✓ 15		
✓ 16	992435222	231430	29.05	74.94	1012.7	225/20	235/23			80% Cu	✓ 16		

(*) Flagged erroneously (?) by program at
 (#8) fast fall - manually kept all winds -
 but through 2nd (R) winds 20-50

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[illegible]