

HRD GPS Dropwindsonde Scientist Log (Revised 6/1999)

Storm DENNIS Flight Director MARKS/Landsea Page 1 of 2
 Flight ID 980829I Dropwindsonde Scientists LANDSEA/Aberson Takeoff 1751 UTC
 Mission ID WXWKA DENNIS AVAPS Operators McNAMARA Landing UTC

700
4ms
WINDS
350/47k
360/65
345/70
120/5
170/70
120/80
140/65
151/60
160/60
146/80
135/75
325/80
315/80
221/50
21/54
24/70
165/54

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	10m wind (kn)	MBL wind (kn)	BT SST (°C)	Location Comment	Comments	kt	Ob #	JD #
1	984515129	184458	30°54'	81°11'	1006	335/26	340/20	-	03% Cu below	Good PTHW	95k	1	9
2	980845072	182813	31°1'	79°58'	999	330/50	335/60	28.0	In light cloud	RAINBAND - No winds 70s'	60kt	2	15
3	984325228	194247	31°4'	79°39'	978	305/62	300/41	-	In cloud	W Eye wall - Good PTHW	90kt	4	24
4	980148018	194848	31°16'	78°18'	967	190/14	200/11	-	50% Str Cu below	EYE - Good PTHW	0	3	21
5	984325226	195623	31°17'	77°41'	973	149/40	155/45	-	In cloud	E Eye wall - Good PTHW	80kt	5	26
6	985035097	201113	31°17'	76°24'	998	152/50	155/66	27.9	In cloud	Rainband - Good PTHW	-	6	29
7	984325161	202006	31°23'	75°36'	1004	153/40	155/45	-	80% Str Cu	Good PTHW	40kt	7	31
8	984325233	204108	32°56'	76°21'	1003	-	-	-	thin cloud 80% Str Cu below	NO WINDS BELOW 750mb	50kt		50
9	984325427	204531	32°44'	76°35'	1002	110/43	115/50	28.6	33% Str Cu below		50kt	8	33
10	985035016	205101	32°07'	77°22'	989	115/46	110/62	28.4	In cloud	R1+2 with good, indistinct places	65kt		40
11	984715017	210539	31°48'	77°50'	975	90/65	100/87	-	In cloud	NE eye wall	75kt		43
12	984325570	211702	31°14'	78°37'	979	304/79	315/86	-	In cloud	SW eye wall use RH2	85kt		44
13	984325230	213034	30°35'	79°25'	997	74 m	305/61	28.5	rainband	Slow T equilibration R1+2 with good in different places laterals			46
14	984325540	214700	29°41'	80°14'	1005	297/29	300/29	-	SW corner	In cloud			48
15	985035222	222947	29°45'	76°02'	1006	194/40	200/44	27.5	SE corner	Clear clouds below near strong minband			54
16	984715033	223234	29°55'	76°11'	1005	226/41	200/48	27.6	rainband	Slow T equilibration			55
17	984715095	224957	31°00'	77°03'	990	190/50	190/49	-	rainband	(AVAPS problem)			57
18	984325040	230021	31°39'	77°40'	968	165/61	180/57	28.2	small SE	Slow T equilibration			60

Note - Original #3 sonde skipped, as #2 was at rainband.
 pwnw - surface west side flight - 65kt 194300
 surface - 85kt - 194230 (but broad peak both)
 East EW - sfc 85kt 195200
 flight 85kt 195900
 NE sfc - 80kt 210530
 flight 75kt 210400
 SW sfc - 80kt flight - 80kt

