

233A
60
2040
72
66
320

HRD GPS Dropwindsonde Scientist Log (Revised 6/1999)

Storm DENNIS Flight Director STAN "BJY-A-OWE" CZYZK
 Flight ID 990826 H Dropwindsonde Scientists CHRIS LANDSEA
 Mission ID 1105A DENNIS AVAPS Operators JOHN HILL/CHRIS HORN BROOK

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 Takeoff 1735 UTC
 Landing UTC

F-1137
500 mb

122/34

Calm

190-30

212-35

150-25

33-37

50-14

587

352-15

155-10

342-20

570

310-15

586

2765-40

265-10

73-10

590

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 #
1	991845157	181813	25°0'	77°30'	1012	40/11	40/13	-	30% Cu below	Good PTH/winds	1
2	991845144	185855	25°05'	74°30'	1005	60/40	60/42	28.5	50% Cu below	Spotty winds aloft, otherwise good PTH/winds	2
3	991845140	191940	24°21'	73°5'	1006	125/36	125/37	28.2	In cloud	Good PTH/winds	3
4	991515121	193238	24°14'	73°24'	1006	-	115/58	28.7	In cloud	Good PTH/winds	6
5	991515134	193846	24°54'	73°42'	1001	85/63	95/70	-	NE Eye wall	Good PTH/winds	4
6	991515132	194301	24°39'	73°55'	994	155/25	165/30	28.3	Eye	Good PTH/winds	5
7	991845147	195527	23°54'	74°15'	1004	265/23	265/34	28.3	30% Cu below	Good PTH/winds	8
8	991845141	201433	24°33'	73°37'	1001	(165/45)	170/49	-	SE Eye wall	Good PTH/winds	9
9	991845154	202032	24°42'	74°4'	992	40/10	100/9	-	Eye	Good PTH/winds	7
10	991845151	202341	24°49'	74°16'	995	40/15	45/44	-	NW Eye wall	Good PTH/winds	10
11	991515137	205617	24°2'	76°13'	1009	0/15	350/18	-	25% Cu below	Start fall for 90s when good -	11
12	991845199	212134	22°58'	78°15'	1010	-	-	-	25% Cu below	NO winds, good PTH	12
13	991845158	212426	22°51'	78°10'	1010	320/15	320/19	-	10% Cu below	Good PTH/winds	13
14	991515172	214118	22°21'	76°43'	1009	310/15	315/19	-	40% strat below	Good PTH/winds	14
15	991845192	220215	21°47'	74°58'	1009	275/17	280/21	-	68% strat below	Good PTH/winds	15
16	991845156	222538	22°28'	73°03'	1010	-	-	29.2	Rain band	Spotty winds, none after 85000 ft	16
17	991435041	222945	21°2'	70°59'	1012	115/15	120/15	-	CLW	winds spotty + late, good PTH	17
18	990435512	232212	22°3'	69°2'	1014	120/15	125/15	-	20% strat below	Good PTH	18

ID #
4
6
10
16
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40
41



24°37' 72°53' US

24°36' 191R from 43

50kt/110°

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Storm DENNIS Flight Director STAN GYRKH
 Flight ID 990826H Dropwindsonde Scientists LANDSEA
 Mission ID 1105A DENNIS AVAPS Operators HILL/HORNOROO

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 Takeoff 1737 UTC
 Landing _____ UTC

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 #
19	990845047	235053	24°36'	70°27'	1013	130/17	135/21	28.8	Dark	Slow fall 150s / Good PTH winds	19
20	991515139	002548	26°34'	68°01'	1016	115/11	115/12	-	Very Dark	Good PTH winds	20
21	991845138	003053	28°31'	67°10'	1017	95/10	105/10	-	-	Good PTH winds	21
22	991515023	011606	30°26'	66°08'	1019	95/10	100/10	-	-	slow fall 150s, Good after	22

500mb
 589
 150°30W
 95 15
 591
 502 75 10

FD#
 43
 45
 47
 49

24.5 7461 Dennis stat
 26.7 52.9 Cindy NW 16
 62 27.0 34.9 Cindy /