

Center 171736 25 52 56 41

2549 56 43 eye coords

Helene

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

Storm 060920H1 Dropwindsonde Scientist's M. Black / P. Leighton Page 1 of 2  
 Flight ID 060920H1 Flight Director M. Mayeaux Takeoff from Barbados at 1406<sup>34</sup> UTC  
 Mission ID WXA Helene AVAPS Operators C. Rasco / B. Olney Recovery at Barbados at        UTC

700  
ms  
RH  
41.4  
57.9  
97.7  
59.9  
100  
89.4  
64.1  
19  
99.1  
71.1  
57.1  
59.2  
?  
64.5  
50.6  
57.3  
55.2

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 #
1	053716277	161045	22.0	58.9	1010.2	27/19	10	-		Clear, dry, 120 mi S of IP	10
2	053626073	162503	22.96	58.92	1008.4	28/23	12	-		" " 60 mi S of IP	11
3	053716282	164048	24.03	58.90	1004.7	30/31	10.0	-		IP	12
4	053716279	165028	24.50	58.32	1002.1	31/39	6.3	-		150 mi SW of eye - hazy	14
5	053716278	165805	24.90	57.92	995.7	31/62	16	-		Stratiform rain	15
6	053716586	171039	25.5	57.14	974.2	30/62	6.6	-		SW Rainband	16
7	053716485	171736	25.8	56.71	960.1	39/60	4.4	26.4	Eye	Center drop-eye	18
8	053716283	17330	26.94	56.33	990.5	85/50	5.4	-	W of Eye	Stratiform / <del>W of Eye</del>	20
9	053626183	174511	27.84	55.97	1000	74/45	10	-		Possibly Fair Fall / rescued ???	22
10	053716284	180303	29.04	55.43	1009.9	88/23	21	-			26
11	054556023	181415	29.81	55.12	1012.6	88/21	4.8	-		Dry, skt NW of eye	27
12	053716497	181103	29.40	55.33	1011.5	88/23	10.1	-		Eye point Leg 2 (outward)	28
13	0545564585	182433						-			Checked 6
14	054556578	183350	29.94	57.00	1011.2	69/25	10.1	X		BT Combo No SST	30
15	054626152	184353	29.96	58.00	1010.1	64/21	6.3	-			31
16	054556232	190211	29.89	59.61	1012.0	50/17	4.4	27.0		Combo skt Pass 2 leg 4	33
17	054626173	191718	29.09	58.83	1008.9	40/23	4.3	-			35

pressure close 746

20043426,12 56.53

3997

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

Storm Helene Dropwindsonde Scientists P. Leighton / M. Black Page 2 of 2

Flight ID 060920H1 Flight Director M. Mayreau Takeoff from Barbados at 1406 UTC 2305

Mission ID WXWXA Helene AVAPS Operators C. R. Scofield, D. Drey Recovery at Barbados at UTC 2314

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 #
99.8	18	054556629	193511	27.98	58.06	1002.9	38/62	?	26.7	Combo-BT	37
100	19	054556588	195004	27.11	57.49	990.4	40/60	5.1	-	Rainband	39
100	20	054556611	200134	26.21	56.88	959.8	101/17	10.1		Eye	40
90	21	054556631	201742	25.58	56.14	983.9	193/43	6.4			43
100	22	054556635	202613	25.10	55.67	996.9	177/14	4.8			44
82.9	23	054626155	203321	24.70	55.23	1002.6	204/31	7.2		BT Combo? BT No lamb	46
96.0	24	054626174	203846	24.38	54.88	1004.9	202/39	7.0		Delayed lamb	47
92.7	25	054626153	204215	24.16	54.80	1005.7	197/31	6.9			48
69.9	26	054556636	205953	23.00	55.31	1009.2	254/23	4.2			50
59.0	27	054626314	211251	22.00	55.76	1010.1	225/17	15.17			51

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