

17 pass 4070 21 30

HRD Dropwindsonde Scientist Log (Revised 7/98)

Storm Bonnie
 Flight ID 980823H1
 Mission ID WX02A Bonnie

Dropsonde Scientist(s) M. Black / Ed Bracker / Joe Crone
 AVAPS Operator(s) George Delgado

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 Takeoff 1738 UTC
 Landing 0255 UTC

Drop #	Sonde ID	Time (UTC)	Lat (°)	Lon (°)	Press (mb)	GALT (m)	T (°C)	TD (°C)	WDWS (kt)	Comments	Prs ?	Xnd ?
1	974730038	183014								error reading at first → Time offset of wind measurements is unacceptable, with library error → check - good sonde	✓	1009
	african dust layer		1.7	b-bas	2					→ after splash ok	✓	5
2	974740138	185949								good sonde	✓	8
4	974510034	195845								begin inner core at 50 mi SE of eye	✓	13
5	974010012	200722								no data		
3	974730064	19352								put before sonde 4	✓	10
7	982630037	201224								no data		
6	974010016	200827								no launch defect		
	974510100											
8	974110024	202207								50 mi MW point	✓	16
9	974510102	204251								no data	no launch detect	
10	974010014	204552								no data	no launch detect	
11	973840087	204731	AXBT							eye drop	✓	20
12	981040041	205050								lots of missing data		
13	973840054	205224								SFC winds	✓	46
14	974110020	205950								NE point 50 mi	✓	24
15	974110023	210550								North point 50 mi	✓	25
16	973250048	210829								outside eyewall	lots missing	

reboot system at 20115 after bad sondes # 5, 6, 7

→

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Dropsonde Scientist(s) Black/Bracken/Gione
 AVAPS Operator(s) Delgado

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 Takeoff 1738 UTC
 Landing 0255 UTC

Drop #	Sonde ID	Time (UTC)	Lat (°)	Lon (°)	Press (mb)	GAIt (m)	T (°C)	TD (°C)	WDWS (kt)	Comments	Pro ?	Xnd ?
17	973840082	211324								inside wind max eyewall N	✓	29
										eyewall S (d. 1 notch) (low ch)		
18	974110026	212053								NO data eyewall S (bad)		
19	974030004	212305								AX:BT good drop south of southern eyewall	✓	30
21	974530026	214125								East point 50 m pt G	✓	33
22	974940037	214816								great drop; saturated (drop in w.f. low) eyewall E SST 26.2	✓	41
20	973250095	212754								South point 50 m pt F	✓	31
23	974940046	214834								near wind maximum good drop eyewall E	✓	44
24	974740130	215140								eye	✓	37
26	974730069	220823								w off eye	✓	49
25	974730014	220305								w of eye	✓	45
29	974730043	230350								outside convection (smooth drop)	✓	50
28	974940051	224631								"	✓	53
27	974940044	22301								" (missy data)	✓	54
30	974940052	23303								"	✓	55
31	974940050	235639								"	✓	57
32	974730075	005030								"	✓	60
33	975020041	010855								"	✓	61

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Storm Bonnie
 Flight ID 980827H
 Mission ID WXQA Bonnie

Dropsonde Scientist(s) M. Black / Brecken / Cione
 AVAPS Operator(s) Delgado

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 Takeoff 1731 UTC
 Landing 0255 UTC

Drop #	Sonde ID	Time (UTC)	Lat (°)	Lon (°)	Press (mb)	GAH (m)	T (°C)	TD (°C)	WDWS (kt)	Comments	Pro ?	Xmt ?
34	974730073	012848								more of this env. info	✓	63
35	9732500400	015750									✓	67
36	974730010	022239								(bad sonde) - dropsonde program aborts (RF check A10910)	—	

9 bad (no data) sondes
 3 partial sondes