



N49RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

154010 1715 5826
 172140 1722 5847
 2056 1733 5939
 2203 1736 5987

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 Flight ID 100829N Flight Director Parrish/Hearing Takeoff from BGI at 1708 UTC
 Mission ID NX074 Earl3 AVAPS Operators Carpenter/Miller Recovery at BGI at 0808 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	DLM wind (kt)	Comments	Processed	SATCOM tries	Ob #
1	092329007	173135	14.9	59.8	1007	336/17	55knt	dry just above 700mb (a little), spotty data	✓	180316	1
2	092929061	174719	16.7	60.2	—	—	120mm	alt. sonde removed good data below 750mb!	✓	181314	2
3	091959033	175543					inner	fort. bad, over Martinique	X		
4	091849276	175821	16.2	61.6	—	315/17	132	replacement, parts of 700mb data below 912mb	✓	182252	3
5	091959032	180547	15.8	62.6	1008.6	310/16	10	120mm good	✓	182719	4
6	092349064	181232	15.5	63.4	1009.2	020/16	13	on dot w good	✓	183158	5
7	092329076	183231	16.9	61.6	1004.4	321/24	12	120mm out spotty data	✓	184601	6
8	092329010	184046	17.5	60.9	1003.0	354/32	10	60mm out good	✓	185953	7
9	091849122	185013	18.5	61.6	1006.0	004/32	10	60mm out good	✓	190903	8
10	091849125	185831	19.2	62.5	1008.8	008/23	13	180mm out some dry air below 700 (45% RH)	✓	191656	09
11	091959027	190610	19.9	63.3	1010.1	025/22	10	240mm out very dry, NE jet @ 700	✓	192304	10
12	091849053	191344	20.6	63.9	1010.7	031/16	10	300mm out dry!	✓	193211	11
13	092429119	193111	19.5	62.2	1009.3	022/28	12	in mist jet some dry	✓	195025	12
14	091849054	195119	18.3	60.2	1000.5	040/33	10	60mm out best data near 13kft, 33kt @ sfc	✓	201032	13
15	092329083	200104	19.5	60.1	1006.7	062/30	13	120mm out 32kt @ sfc	✓	202145	14
16	092349005	200858	20.4	59.7	1008.7	065/32	12	120mm out 32kt @ sfc	✓	202706	15
17	091849030	201600	21.2	59.6	1009.7	063/19	10	240mm out 19kt @ sfc	✓	203326	16
18	091849297	202813	19.9	59.4	1002.2	079/27	12	in mist jet mist layers	✓	204735	17

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Flight ID _____ Flight Director _____ Takeoff from _____ at _____ UTC

Mission ID _____ AVAPS Operators _____ Recovery at _____ at _____ UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd (kt)	hgt (m)	DLM wind (kt)	Comments	Processed	SATCOM tries	Ob #
19	091849146	204313	18.3	58.9	1001.3	107/40	14	60mm		✓	210258	18
20	091849307	205452	19.2	57.7	1007.7	120/35	12	120mm		✓	211541	19
21	091849005	210457	19.9	56.7	1009.9	130/26	10	200mm	spotty data	✓	212407	20
22	091849047	211344	20.4	55.9	1012.6	126/26	10	270mm	very dry midlevels	✓	213153	21
23	091929019	213047						in midpt	fast fall			
24	092819090	213214						midpt	replacement, winds, won't allow pouring!			
25	091959025	214441						60mm	parachute came off			
26	091849002	214649	17.4	58.5	1003.3	174/40	14	60mm	replacement, dry near storm, strong	✓	220525	22
27	091849023	215349	16.8	57.9	1005.7	191/34	10	120mm	most high, dry below	✓	221406	23
28	093010070	220201	16.1	57.2	1008.6	186/24	10	180mm	most high, dry below	✓	222050	24
29	092819099	221007	15.4	56.8	1009.1	167/17	10	240mm	<10% RH high	✓	222512	25
30	092329094	222044	16.2	57.9	1007.4	196/23	10	in midpt	most high, dry below	✓	223935	27
31	091829056	223011	16.7	58.9				60mm	strange winds at top removed, out data, DND	✓	225509	26
32	091849029	224002	15.6	59.3	1006.9	225/26	10	120mm	LAST	✓	231649	28

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