

Storm JUAN Dropwindsonde Scientists LANDSEA Page 1 of 2
 Flight ID 040906n Flight Director PAUL FAUGHERTY Takeoff from St. Croix at 1718 UTC
 Mission ID NOAA 9 0209A AVAPS Operators JOHN HALL, CHRIS HORN BROOK, DAVE BROGAN Recovery at St. Croix at 0106 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	SATCOM tries	Ob #
1	032815111	1754 13	19.24	60.96	1013.0	80°-12kt	4	130°-8kt	1/2 S problem! fixed SAL 27.2% 36% last value corrected	✓	1
2	010715080	181010	19.99	59.00	1012.8	110-8	12	120-4	5% str Cu - Dusk looking to S. Late winds 60S missing T-bad RH	✓	2
3	004 255292	1825 13	19.95	57.01					Clear, Hazy - NORTH		
3A	033418026	1826 44	19.80	56.89	1012.6	95°-10	5	105°-4	Clear, Hazy NORTH AVP flop SAL 36% AVP flop	✓	3
4	033418010	1847 06	17.79	55.71	1011.4	80°-17	7	90°-14	In thin cirrus below missing 18-250S NORTH AVP flop SAL 31% noisy vertical	✓	4
5	010715193	1901 45	17.83	53.83					Thin cirrus 10% str Cu NORTH		
5A	033415237	1903 03	17.84	53.66	1012.2	75°-16	22	85°-15	Thin cirrus 10% str Cu NORTH AVP flop SAL 31% noisy vertical	✓	5
6	004 255104	1916 25	17.92	51.92	1011.7	75°-14	7	90°-14	Thin cirrus 5% str Cu NORTH AVP flop SAL 42% AVP flop	✓	6
7	010715081	1930 52	17.94	50.01					NO PTH		
7A	032418095	1931 49	17.86	49.93	1012.0	85°-18	4792	75°-9	10% str Cu NORTH AVP flop SAL 21% no winds after 460S	✓	7
8	033415242	1948 37	16.04	49.11	1012.0	85°-13	7	85°-14	10% Cu NORTH AVP flop SAL 21% AVP flop	✓	8
9	033415243	2004 26	15.83	50.96	1011.6	85°-14	7	100°-15	In thin cirrus 10% str Cu SAL 19% AVP flop	✓	9
10	033415314	2020 40	15.67	52.92	1011.7	90°-15	4	100°-20	In CIRRUS SAL 33% AVP flop	✓	10
11	033415302	2035 34	15.43	54.69	1011.1	120-29	8	85-25	In CIRRUS Late winds 65S del RH to 120sec 49% AVP flop	✓	11
12	033418028	2050 12	14.42	53.35	1011.0	110-19	7	100-28	In CIRRUS Late winds 60S missing 580-810S del RH to 205 76% AVP flop	✓	12
13	032 335170	2103 45	14.20	51.68	1011.0	90-12	5	105-23	above cirrus Late winds 80S 62% AVP flop	✓	13
14	033415301	2116 49	13.94	50.05	1010.2	70-11	4	100-17	Thin cirrus below 33 1/3% Cu Late winds 290S data 855 RH 39% 60S lower trop but repaired	✓	14

1919Z 11°22' 54" 52' 969 ft NW

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

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 Flight ID 040906n Flight Director FLAUGHTERLY Takeoff from St. Croix at 1718 UTC
 Mission ID 0209A AVAPS Operators HILL/HORNBROOK/BROGAN Recovery at St. Croix at 0100 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	700 mb RH	SATCOM tries	Ob #
15	033415236	213315	12.06	50.10	1010.4	130-15	4	115-17	Above Cirrus	73%	✓	15
16	032815065	215624	12.58	52.76	1009.3	125-21	4	125-30	Above Cirrus	47%	✓	16
17	032418096	221201	10.89	53.39	1008.4	155-24	7	150-35	Slightly Dark RH removed to 120s	73%	✓	17
18	033118010	222731	9.82	54.86	1006.8	140-29	13	215-19	moderately Dark	83%	✓	18
19	033048056	224255	9.82	56.73	1005.6	300-11	4	325-17	Dark	81%	✓	19
20	033048050	225757	10.91	58.20	1005.1	10-12	4	30-23	Quite Dark RH removed to 140s	75%	✓	20
20A	033415241	231219	12.69	58.23	1006.6	55-30	15	65-31	mainly Dark	75%	✓	21
21	033118009	232549	14.40	58.19	1009.9	75-33	7	75-28	Mostly Dark	39%	✓	22
22	033118011	234002	15.53	56.80	1011.2	95-20	7	90-25	Very Dark	45%	✓	23
22A	033048010	235044	16.77	57.37	1012.4	80-17	7	90-19	Dark Dark RH removed to 130s	39%	✓	24
23	033048075	000117	17.96	58.04	1013.2	85-18	7	95-14	Dark Dark Dark	36%	✓	25
24	032335133	001950	17.95	60.24	1012.5	85-17	4	100-13	Dark ***4 LAST	27%	✓	26

DRY!

Deep Easterlies
 cirrus flow to 200
 going to outflow
 no shear

2314Z 11°12' 56°02' 963 106 kt