

5562
1548
7357
729
150 kt
16.5
34.8

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

2 AM - 15.7N, 73.8W - W 145 mi
930

Block 0518

Storm Ivan Dropwindsonde Scientists Stan Goldenberg Page 1 of 2
Flight ID 040910N Flight Director Paul Flaherty Takeoff from MacDill at 0527 UTC
Mission ID NOAA9 1409A IVAN AVAPS Operators Christ Hornbrook, Dave Brown, John Hill Recovery at MacDill at 1325 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 #
01	011245296	062552							Dark Bahamas NO WINDS		X
01A	033845226	062730	24.20	75.76	1014.8	079/18	9	080/08	" SAL? - Dry 4-800mb	1	01
02	003815279	064320	23.75	73.49	1014.2	092/16	8	115/07	" Dry 700-400 Bad wind - 72-75, 168-172		02
03	033845214	070049	23.21	71.06	1013.3	095/15	4	135/07	"		03
04	033845020	071324	21.75	71.00	1012.1	084/14	7	135/09	Dry 800-300		05
05	033845219	072641	20.26	70.95	1011.7	114/21	3768	150/15	winds till ~6008z (700mb) Moist		(04)
06		073931							Dark NO LAUNCH BETTER		X
06A	033845076	074020	19.66	69.30	1011.4	091/22	4	135/14			06
07	033518003	075247	18.68	68.06	1010.7	104/18	7	140/12	Dry 500-700.		07
08	033845221	080442							BAD		X
08A	033415094	080610	17.18	68.56	1009.4	109/23	7	145/16			08
09	033415030	081627	16.04	69.04	1009.5	118/19	84	150/20	Extra ~220 sec at start Splice - 2156/1075 sec	(Not trans)	(0)
10	033845056	083157	16.08	70.95	1007.2	133/21	7	160/28			09
11	033845025	084423	17.55	71.08	1009.1	59/27	81	135/30	Will send after splash (no winds late) Sun detected tone		10
12	033415202	085950	17.44	72.98				130/56	90 kts lots of w - power Died at 926mb - reinband	40 m Can Alt	11
13	033415055	091524	15.72	73.44	992.2	160/52	4	185/59	30 mi from center (290) ~50 kts all the way down		12
14	033415068	093247	14.66	75.07	1003.4	274/23	5	285/30	Dry air aloft 400-500m		13

9000 081249

Bad press + manually
may be needed w/ SET flt + time
① Manually dis carded
1st 240 sec

(6.2) 74/5 934

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Storm Ivan Dropwindsonde Scientists Stan Goldenberg Page 2 of 2
 Flight ID 040910n1 Flight Director Paul Flaherty Takeoff from MacDill at 0527 UTC
 NOAA9 Mission ID 1409A IVAN AVAPS Operators Chris Hornbrook, Dave Brogan Recovery at MacDill at 1325 UTC
John Hill

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 #
✓ 15	033415196	094740	14.75	76.93	1007.3	285/22	4	340/19	Strong outflow 200mb.	1	14
✓ 16	033048064	095803	15.74	77.74	1007.4	321/5	4	010/14	178-190 wmbx		15
✓ 17	033118005	101517	17.53	79.00	1008.4	0/19	4	055/15			16
✓ 18	033845008	102901	19.24	79.12	1009.6	36/14	4	075/14	Dry 800mb		17
✓ 19	033415060	104139	20.77	79.22	1010.1				Sunrise -5% FAST FALL DRY NO WINDS		18
✓ 20	033415088	110127	19.50	77.19	1009.1	72/15	7	085/20	<5% splash-1794 Dry 350mb		19
21	033415091	111532							undercast no height no RPT		X
✓ 21A	032335223	111940	19.35	74.89	1009.2	64/32	7	095/28	undercast moist		20
X 22	033415201	112955	19.34	73.62	1009.8	81/18	7	120/25	undercast moist		21
✓ 23	033415054	114817	21.47	73.57	1012.5	86/22	7	125/12	low cu undercast		23
✓ 24	033415509	120709	22.05	75.75	1012.5	76/25	4	090/11	undercast		24
✓ 25	033415194	122607	22.62	78.00	1013.4	85/20	12	070/13	Dry LAST REPORT		25
09	033415030	081627	16.04	69.05	1009.5	118/19	61	150/19	center - arp to remove bad blocks Revisited - see previous pg. winds x from 40-75 (see previous page for 9)		22

sfc 850 500 200