

18,3,77.9

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

Storm IVAN Dropwindsonde Scientists Stan Goldenberg Page 1 of 2Flight ID 040911N1 Flight Director Paul Flaherty Takeoff from MacDill at 0534 UTCMission ID 1909A IVAN AVAPS Operators Chris Hornbrook, Dave Brogan, John Hill Recovery at MacDill at 1346 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	SATCOM tries	Ob #
01	034325108	061741	24.0	79.07	1012.1	89/18 7	065/14	Dark DRY 110 FT	1	01
02	033118060	063032	22.60	78.07	1010.2	70/23 7	075/16	DRY		02
03	023318004	064704	21.25	76.00	1009.2	67/25 6	105/14			03
04	034325109	070218	21.04	74.25	1009.0		14	135/14 (EOD-1725)		04
05	023235034	071941	22.05	71.90	1011.8	85/16 5	175/05			05
06	033118064	073444	23.00	70.00	1012.4	85/7 7	205/02			06
07	033845017	074939	23.89	68.06	1012.1	75/12 4	285/03			07
08	033845114	080519	22.00	68.00	1011.5		270/23	Winds died at ~ 450mb		08
09	033415287	082126	19.99	68.00	1011.2	85/16 7	225/02	Launch detect delay 10 sec.		09
10	033048132	083728	18.00	68.00	1010.6	121/7 7	195/02	DRY ← Bag Transmit		10
11	033415289	085319	16.06	68.07	1010.0		55	11007 DRY - EOD-1709		11
12	034325106	090909						late launch detect poor telemetry		X
12A	033415288	091014	16.00	70.13	1010.3	104/15 7	140/10			12
13	033415292	092536	16.00	72.00	1009.3	117/8.1 8	155/16	Winds at 84 sec.		13
14	033415291	094136	16.06	73.94	1007.9	153/12 7	175/20			14
15	033415284	095650	17.84	74.01	1009.1	112/22 7	160/24	time problem corrected - (was 12.8)		15
16	033415255	100909	18.87	74.97	1007.9	107/22 7	155/26			16

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 NOAAS Mission ID 1909A IVAN AVAPS Operators Chris Hornbrook, Dave Brogan, John Hall Recovery at MacDill at 1346 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	Obs #
✓ 17	033415325	102536	17.03	75.38	1004.8	148/32	7	18034	Wet IN CLOUD ~100 m from center	1	17
✓ 18	033415293	104133	15.95	77.07	1003.1		37	22035	IN CDO 700m from center	1	18
✓ 19	033845220	105809	15.94	78.95	1002.4	261/36	17	29034	IN CDO ~100 m from center 14 kind of spiky		19
✓ 20	033048134	111339	17.03	80.42	1004.2	293/18	5	35531	100% low cloud IN CDO spiky	1	20
✓ 21	033415285	113201	19.01	80.51	1005.2	14/26	6	04031	80% below		21
✓ 22	033048138	114422	20.44	80.56	1007.5	38/28	4	06027	50% below DRY AIR, TROUGH AHEAD		22
✓ 23	033048133	115822	20.50	82.33	1008.9	45/20	7	05519	50% below DRY		23
✓ 24	033415286	121243	20.50	84.17	1009.2	57/16	7	05515	50% below		24
✓ 25	033048131	122645	20.56	85.96	1010.1	003/9	7	07512	50% below EOP=1804		25
✓ 26	033415334	124449	22.51	86.96	1011.8	80/7	7	090/10	50%		26
✓ 27	033518018	130250	24.50	86.00	1012.5	84/13	4	090/08	(CLR)		27
✓ 28	033048174	131658	25.78	84.72	1013.7	91/16	5	070/06	50% LAST REPORT		28

DLM - 500 - 850 - 500 - 200