

23.1, 86.2 122 (at all on)

08072
22.27N 85.07W

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

Storm IVAN Dropwindsonde Scientists Stanley Goldenberg Page 1 of 2Flight ID 040914N1 Flight Director Paul Flaherty Takeoff from MacDill at 0528 UTCMission ID 3309A IVAN AVAPS Operators Chris Hornbrook, John Smith, Dave Brogan Recovery at MacDill at 1309 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	011378046	060502						DARK No winds		X
01A	023535395	060628	30.77	78.88	1017.0	102/10 8	24513	"	1	01
02	020835054	062206	29.00	78.01	1015.5	104/15 5	19008	DRY	1	02
03	022945221	0638						Late/Flakag winds		X
03A	034615015	064018	27.00	77.70	1014.4	105/15 7	18009			03
04	034325107	065124	26.95	76.03	1015.0		22506	winds stop at 880 mb		04
05	034615126	070803	25.00	75.01	1014.1	11	16503	Dry-850-600	11	05
06	034615226	072353	23.03	75.14	1012.7	112/15 7	16502	Time correction / Dry 670-780 .2 → .3	1	06
07	034615122	073904	23.17	77.01	1011.6	107/20 7	17010		1	07
08	034615119	075509	23.33	79.00	1010.6		17024			08
09	034615125	081111	23.52	81.00	1008.8	120/25 4	16529			09
10	034355095	0833						No winds		X
10A	034355092	083522	24.87	83.30	998.8	91/37 7	14040		11/11	10
11	034355099	084902	23.26	83.48	1001.3	117/40 5	16053			11
12A	034555251	090536	22.08	85.00	985.9	169/69 7	20077	nearest the storm ~ 50 nm from eye Adj. RH		12
12B	040925159	091705	21.61	84.02	999.8	174/43 4	20053	012 pt. 12		13
13	040925165	092150	21.69	83.35	1001.7	154/40 7	19048	modified / note - extra data at pt 13 start ~ 120 sec. (edited out)		14

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Storm IVAN Dropwindsonde Scientists Stanley Goldenberg Page 2 of 2
 Flight ID 040914N1 Flight Director Paul Flaherty Takeoff from McDill at 0528 UTC
 Mission ID 3309A IVAN AVAPS Operators Chris Hornbrook, John Smith, Dave Brogan Recovery at McDill 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	SATCOM tries	Ob #
✓ 14A	034955097	093611	20.51	84.38	1001.7	197/36	8	21542		1	15
✓ 14B	040925153	094804	19.76	85.70	1002.0	236/28	6	25030			17
✓ 15	034955096	095848	19.13	86.90	1004.0	255/23	7	27522	time error → 02 → .3		18
X 16A	040925152	103338	22.36	88.35	1000.3	353/28	6	35036	Before 16 location		16
✓ 16B	034555232	104705	23.00	90.02	1005.3	10/23	7	01022	AT 16 dry above 850		19
✓ 17	035135021	110158	23.00	92.00	1007.2	12/14	7	01513	very dry above 500		20
? 18	033048169	111620	23.09	93.85	1008.4	49/7	7	02007	Dry Aloft		21
? 19	035135045	113646	24.97	91.97	1008.1	69/16	7	03013	Light at last ~1070	1)	22
? 20	040925174	115052	25.07	90.05	1007.6	39/25	4	04020	~20% very dry aloft		23
X 21	040925100	120525	26.91	89.94	1009.6	56/23	4	05516	5% VERY DRY above 600mb		24
✓ 22	035135007	122339	26.51	87.43	1007.3	65/29	7	08524	low cu some dry 100% layer 3		25
23	034955112	123839				BAD WINDS			100% below (nudged a little towards 24)		X
23A	033048175	124235	27.57	85.02	1010.8	93/26	7	13024	100% ci below (nudged towards 24)		26
									LAST REPORT →		