



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

Storm RITA Dropwindsonde Scientists NEAL DORST Page 1 of 2
Flight ID 20050923N2 Flight Director PAUL FLAHERTY Takeoff from Mac DILL AFB at 1747 UTC
Mission ID 2418A RITA AVAPS Operators MARK ROGERS / JEFF SMITH / DAVE BROGAN Recovery at Mac DILL AFB at 0205 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 #
1	044135151	181226	28.14	85.08	1012.3	113/23	7.5	160/17	(RH heating cycles except as noted) 100% Ci below; ^{heaters off} UBLOX sonde	✓	1 1	01
2	053166153	183059	30.05	86.34	1012.5	107/19	7.0	150/19	" " UBLOX sonde	✓	1 1	02
3	053416290	184627	28.97	87.93	1007.6	122/31	6.4	160/34	" " UBLOX sonde	✓	1 1	03
4	012225092	190338	27.03	87.08	1008.0	143/21	4.3	175/28	" " heaters off	✓	1 1	04
5	012225026	191955	26.08	88.99	1004.2	178/23	6.5	190/39	" "	✓	1 1	05
6	012615118	193855	28.00	90.55	993.8	137/68	9.2	170/70	" " 86 kts @ 600 mb	✓	1 1	06
7	053316136	195011	28.15	91.54	990.9	087/62	26	125/76	" " UBLOX sonde 90 kts @ 675 mb	✓	1	07
8	011378023	20628	26.24	91.16	997.7	196/29	7.2	215/45	" "	✓	1	08
9	012548030	203058	25.17	92.63	999.4	244/27	7.8	250/31	Flaky T+RH 775-935 mb	✓	1	09
10	053116272	204946	25.78	94.50	1000.7	301/27	12.6	290/21	UBLOX sonde	✓	1	10
11	053116042	205735	26.09	95.91	1001.1	319/25	11.9	325/18	20% low Cu; UBLOX sonde	✓	1	11
12	053416244	211555	23.99	96.00	1003.2	295/10	19.7	295/13	clear; UBLOX sonde	✓	1	12
13	053166094	214044	21.34	97.11	1005.5	150/2	7.4	270/7	UBLOX sonde	✓	1	13
14	053416109	215902	22.00	94.99	1005.7	273/6	10.1	255/9	UBLOX sonde	✓	1	14
15	012548043	221653	22.88	93.05	1004.8	279/4	-	240/16		✓	1	15
16	012548039	223318	21.02	93.05	1006.2	261/10	10.1	230/9	Nowinds 212-290 mb	✓	1	16
17	012225023	224949	19.98	94.87	1006.3	218/8	7.3	250/6		✓	1	17

Recount w/ correct heading



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Mission ID 2418A RITA AVAPS Operators DAVE BROGAN / MARK ROGERS / JEFF SMITH Recovery at MacDill AFB 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 #
18	012548040	230936	18.65	93.12	1006.7	301/2	7.2	200/3		✓	1	18
19	012548042	232940	19.36	90.88	1007.3	305/4	7.5	17/6	No winds 345-400, 430-505, + 610-790 mb; heaters off	✓	1	19
20	012548034	235413	21.54	89.34	1006.7	262/10	4.7	185/13	SUREWY VERT VEL (GPS)	✓	11	20
21	012548037	000636	22.04	90.95	1007.1	222/10	10.1	220/14	No winds 420-442 + 455-840 mb	✓	1	21
22	011345031	002208	23.93	90.94	1005.6	201/16	4.6	245/20		✓	1	22
23	012615094	003754	24.00	89.00	1007.2	184/17	6.9	220/21		✓	1	23
24	012548031	005358	24.00	86.99	1009.8	158/14	6.6	180/15		✓	1	24
25	012258004	011029	24.17	85.00	1011.5	115/14	7.7	165/9		✓	1	25
F 26	012258014	012656	26.00	84.96	1013	128/17	9.4	160/9	No winds 168-205 mb	✓	1	26

270-337 370-457 554-718