

1824A 122
1724A 21.2
87.1 → ch on 38 → 10 PM ←

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

Storm WILMA Dropwindsonde Scientists Goldenberg Page 1 of 2
Flight ID 051022n Flight Director Benny Damiano Takeoff from TPA at 0554 UTC
Mission ID 1724A AVAPS Operators Hill, Roles, Smith Recovery at TPA at 132915 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	Processed	SATCOM tries	Ob #
01	053316005	062718	24.96	83.94	1006.9	94°/21 29	159/19	late winds 75.53; spotty wind 308-410 mb; dark EOD = 1666 weak/poor; spotty wind 308-410 mb to EOD	✓		01
02	053170051	064107	23.47	83.09	1006.3	116°/25 5	160/28	dark	✓		02
03	053316006	072744	19.89	82.41	1005.0	149°/21 4	180/32	Dark	✓		03
04	044535151	074842	18.35	84.59	1002.5	161°/23 4	210/36	Dark	✓		04
05	051926011	080655	17.10	86.53	1003.8	244°/27 10	250/25	Dark; heaters off	✓		05
06	053316002	082005	18.42	87.37	999.5	228°/33 7	270/36	Dark	✓		06
07	012225019	082902	18.61	86.17	999.3	222°/37 8	235/42	Dark; late winds 1 min.	✓		07
04	053316011	074640	18.50	84.38				noisy PTH telemetry; Dark			
08	012225069	084250	19.73	84.66		177°/56	200/50	FAST FALL - no wind	✓		08
09	011245159	090010	21.53	84.11	1000.0	122°/39 8	170/48	Dark; late winds 82.5; bad PTH telemetry; spotty winds 575-700 mb; last data below 914 mb; Dark; only one wind above 400 mb; RH sensor outages below 500 mb; heaters off	✓		09
10	011378177	092003	23.23	84.74	1000.7	103°/29 4	150/36	Dark; RH flaky near SFC.	✓		10
11	053316019	093338	24.28	86.20	1002.5	74°/25 7	115/24	Dark; bad PTH telemetry & spotty winds EOD = 1766 600-718 mb	✓		11
12	053316161	094729	24.28	88.04				Dark; fast fall 1st half - noisy GPS telemetry; then ok - NOT PTH telemetry			
13	053316132	095545	23.72	88.93	1000.9	28°/27 4	045/29	Moved mid 12-13 to cover between parts for 12	✓		12
14	053316169	101925	24.93	91.07	1008.6	10°/23 5	605/17	Dark	✓		14
15	012525029	103612	24.11	93.02	1009.1	3°/23 7	355/20	Dark; RH 1 bad - RH 2 used	✓		13
16	053316133	105315	26.01	93.90	1010.6	12°/16 4	325/18	Dark	✓		15

Andrew

Jennifer

FS → need to be able to go to opt 2 after selecting RH2 in opt 6
rh 2 interpreted 660-720 780-840



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Turn sat nt
at 1st sat nt
early 1st sat
AT

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Flight ID 051022n1 Flight Director Damiano Takeoff from TPA at 0554 UTC
Mission ID 1724A AVAPS Operators Hill, Roles, Smith Recovery at TPA at 132915 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 #
17	053316137	110831	27.07	92.02	1010.16	15°/19	7	315/16		✓		16
18	053316167	112350	28.93	91.85	1013.0	20°/19	8	295/22	heaters off really low 5 ft temp? Dry?	✓		17
19	003135203	113647	28.20	90.00	1011.0	21°/21	8	285/16	Heaters off	✓		18
20	010715158	115608	26.03	88.94					1090 low B 92 alt 1st temp			
20B	012225211	115721	26.00	88.76	1007.5	39°/16	7	035/07	1090 low; heaters off	✓		19
21	002615321	120944	26.17	87.09	1007.6	62°/17	8	100/06	10090 low; heaters off	✓		20
22	053316170	122557	28.05	87.91	1010.2	6°/17	10	280/12	10090 low; late winds 70s	✓		21
23	051926165	124132	29.37	85.97					Weak/poor telemetry 763 mb EOL 3070 low BAD WND			
23B	053316160	124327	29.16	85.86	1009.7	350°/8	7	260/23	2070 low	✓		22
24	053316153	125728	27.57	85.22					No PTH telemetry 185-300mb AVAPS channel 12 FAST FALL NO WINDS okay on engine #5.			
24B	053316168	125909	27.38	85.15	1009.0	97°/2	—	235/14	10090 kept winds below first fall? heaters off	✓		23
									No PTH telemetry first SIS; noisy GPS signal; no winds below 783 mb; heaters off			

for 1st 1/2 of 1st -
mg time ~ 5 sec. left (★) Did work later?
thru 1st