

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

Storm IVAN Dropwindsonde Scientists LANDSEA Guest Joni Ewins - PBO Page 1 of 2
 Flight ID 09091412 Flight Director MAKHAUX Takeoff from Mc DILL at 1726 UTC
 Mission ID 3509A AVAPS Operators CARPENTER/ROLES/GOLDSTEIN Recovery at McDILL at 0135 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 #
1	034955117	180114	25.26	84.28	1003.7	95-48	7	145-54	IN CIRRUS 60 ²¹⁰ ₁₀₀ ₃₀₀ VWINDS SUSPECT 750-810S 92%✓		1
2	034615179	181840	24.46	82.01	1009.3	105,22	11	125,38	IN CIRRUS NO WINDS UNTIL +45 seconds VVEL SUSPECT 750 seconds 65%✓		2
2A	034745029	182029	24.81	81.85					IN CIRRUS		
3	034745031	183356	23.46	80.89	1009.7	110,24	4	175,30	IN CIRRUS 80%✓		3
4	040025157	184924	23.42	82.81	1006.0	140,40	7	175,45	IN CIRRUS LATE WINDS AFTER 90S 65%✓		4
5	034718041	190510	23.38	84.40	995.7	155-58	8	140-66	IN CIRRUS 82%✓		5
6	034718058	193054	21.83	83.50	1005.8	170.26	4	200.30	IN CIRRUS Low WINDS Flag RH 45S to 120S 57%✓		6
7	034325017	194917	21.83	81.18	1008.9	140.22	4	180.29	IN CIRRUS Flag RH to 120S 73%✓		7
8	034718063	200552	21.02	83.02	1005.7	16534	7	19533	IN CIRRUS NOISE REMOVED AFTER 65S FLAG RH TO 130 SECONDS 65%✓		8
9	034718057	201453	21.45	84.78	1004.2	18527	7	21537	IN CIRRUS ONE RH SENSOR FLAG RH TO 120 SECONDS 71%✓		9
10 ✓	034718064	203415	21.90	86.55	1000.8	22531	8	250-43	IN CIRRUS NOISE at Flag RH to 120S 6%✓		14
11 ✓	034745026	204915	22.35	88.33	999.6	245-23	12	295-36	NO aircraft data avail. RH Flag to 80S 70%✓		15
12 ✓	034245012	210413	23.47	81.84	1001.5	35533	4	545-28	NO RH data avail. PAST FALL? Flag RH to 120S 70%✓		16
13 ✓	034615180	211808	25.09	90.44	1004.4	30-28	6	250-26	70% ALT STATIOS 20 STRATO CU 70%✓		17
14	034615194	213329	23.98	91.97	1005.9	02018	7	60517	20% CU FLAG WIND TO 85 SECONDS 61%✓		10
15	040925108	214605	22.50	92.00	1004.9	360-15	7	345-14	30% CU 53%✓		11
16	040925119	215742	21.16	92.09	1005.5	340-11	4	330-11	20% STRATO CU 53%✓		12

Retransmitted

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Storm JVAN Dropwindsonde Scientists LANDSEA Page 2 of 2
 Flight ID 040914n2 Flight Director MAXEUX Takeoff from McDILL at UTC
 Mission ID 3509A AVAPS Operators CARPENTER/GOLDSTEIN/ROLLES Recovery at 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 #
17	040925117	221914	23.03	93.98	1006.1	40-6	7	355-6	10% Cu 39%	✓	13
18	034718026	223531	25.00	94.00	1006.7	60-13	7	35-6	10% Cu 52%	✓	18
19	034615182	225148	27.00	94.00	—	—	—	—	20% Cu No winds	—	—
19A	034615181	225323	27.19	94.00	1008.9	75-15	4	70-5	10% Cu NORTH Air Flow 61%	✓	19
20	034615173	230748	28.94	93.93	—	—	—	—	40% Cu No winds	—	—
20A	040925163	230919	29.00	93.74	1009.3	115-20	7	125-4	10% Cu NORTH Air Flow Flag RH to 100s 115%	✓	20
21	034745030	232117	28.94	92.07	1009.3	85-23	4	50-8	20% Str Cu No RH Air Flow missing wind 210-370s 44%	✓	21
22	034615175	233738	27.06	91.93	—	60-24	842 mb	30 Bad 74 1835	10% Cu / Spotty at end / no sp at end / Lake winds no 40s 60s 70s 80s 90s 100s 110s 120s 130s 140s 150s 160s 170s 180s 190s 200s 210s 220s 230s 240s 250s 260s 270s 280s 290s 300s 310s 320s 330s 340s 350s 360s 370s 380s 390s 400s 410s 420s 430s 440s 450s 460s 470s 480s 490s 500s 510s 520s 530s 540s 550s 560s 570s 580s 590s 600s 610s 620s 630s 640s 650s 660s 670s 680s 690s 700s 710s 720s 730s 740s 750s 760s 770s 780s 790s 800s 810s 820s 830s 840s 850s 860s 870s 880s 890s 900s 910s 920s 930s 940s 950s 960s 970s 980s 990s 1000s 1010s 1020s 1030s 1040s 1050s 1060s 1070s 1080s 1090s 1100s 1110s 1120s 1130s 1140s 1150s 1160s 1170s 1180s 1190s 1200s 1210s 1220s 1230s 1240s 1250s 1260s 1270s 1280s 1290s 1300s 1310s 1320s 1330s 1340s 1350s 1360s 1370s 1380s 1390s 1400s 1410s 1420s 1430s 1440s 1450s 1460s 1470s 1480s 1490s 1500s 1510s 1520s 1530s 1540s 1550s 1560s 1570s 1580s 1590s 1600s 1610s 1620s 1630s 1640s 1650s 1660s 1670s 1680s 1690s 1700s 1710s 1720s 1730s 1740s 1750s 1760s 1770s 1780s 1790s 1800s 1810s 1820s 1830s 1840s 1850s 1860s 1870s 1880s 1890s 1900s 1910s 1920s 1930s 1940s 1950s 1960s 1970s 1980s 1990s 2000s 2010s 2020s 2030s 2040s 2050s 2060s 2070s 2080s 2090s 2100s 2110s 2120s 2130s 2140s 2150s 2160s 2170s 2180s 2190s 2200s 2210s 2220s 2230s 2240s 2250s 2260s 2270s 2280s 2290s 2300s 2310s 2320s 2330s 2340s 2350s 2360s 2370s 2380s 2390s 2400s 2410s 2420s 2430s 2440s 2450s 2460s 2470s 2480s 2490s 2500s 2510s 2520s 2530s 2540s 2550s 2560s 2570s 2580s 2590s 2600s 2610s 2620s 2630s 2640s 2650s 2660s 2670s 2680s 2690s 2700s 2710s 2720s 2730s 2740s 2750s 2760s 2770s 2780s 2790s 2800s 2810s 2820s 2830s 2840s 2850s 2860s 2870s 2880s 2890s 2900s 2910s 2920s 2930s 2940s 2950s 2960s 2970s 2980s 2990s 3000s 3010s 3020s 3030s 3040s 3050s 3060s 3070s 3080s 3090s 3100s 3110s 3120s 3130s 3140s 3150s 3160s 3170s 3180s 3190s 3200s 3210s 3220s 3230s 3240s 3250s 3260s 3270s 3280s 3290s 3300s 3310s 3320s 3330s 3340s 3350s 3360s 3370s 3380s 3390s 3400s 3410s 3420s 3430s 3440s 3450s 3460s 3470s 3480s 3490s 3500s 3510s 3520s 3530s 3540s 3550s 3560s 3570s 3580s 3590s 3600s 3610s 3620s 3630s 3640s 3650s 3660s 3670s 3680s 3690s 3700s 3710s 3720s 3730s 3740s 3750s 3760s 3770s 3780s 3790s 3800s 3810s 3820s 3830s 3840s 3850s 3860s 3870s 3880s 3890s 3900s 3910s 3920s 3930s 3940s 3950s 3960s 3970s 3980s 3990s 4000s 4010s 4020s 4030s 4040s 4050s 4060s 4070s 4080s 4090s 4100s 4110s 4120s 4130s 4140s 4150s 4160s 4170s 4180s 4190s 4200s 4210s 4220s 4230s 4240s 4250s 4260s 4270s 4280s 4290s 4300s 4310s 4320s 4330s 4340s 4350s 4360s 4370s 4380s 4390s 4400s 4410s 4420s 4430s 4440s 4450s 4460s 4470s 4480s 4490s 4500s 4510s 4520s 4530s 4540s 4550s 4560s 4570s 4580s 4590s 4600s 4610s 4620s 4630s 4640s 4650s 4660s 4670s 4680s 4690s 4700s 4710s 4720s 4730s 4740s 4750s 4760s 4770s 4780s 4790s 4800s 4810s 4820s 4830s 4840s 4850s 4860s 4870s 4880s 4890s 4900s 4910s 4920s 4930s 4940s 4950s 4960s 4970s 4980s 4990s 5000s 5010s 5020s 5030s 5040s 5050s 5060s 5070s 5080s 5090s 5100s 5110s 5120s 5130s 5140s 5150s 5160s 5170s 5180s 5190s 5200s 5210s 5220s 5230s 5240s 5250s 5260s 5270s 5280s 5290s 5300s 5310s 5320s 5330s 5340s 5350s 5360s 5370s 5380s 5390s 5400s 5410s 5420s 5430s 5440s 5450s 5460s 5470s 5480s 5490s 5500s 5510s 5520s 5530s 5540s 5550s 5560s 5570s 5580s 5590s 5600s 5610s 5620s 5630s 5640s 5650s 5660s 5670s 5680s 5690s 5700s 5710s 5720s 5730s 5740s 5750s 5760s 5770s 5780s 5790s 5800s 5810s 5820s 5830s 5840s 5850s 5860s 5870s 5880s 5890s 5900s 5910s 5920s 5930s 5940s 5950s 5960s 5970s 5980s 5990s 6000s 6010s 6020s 6030s 6040s 6050s 6060s 6070s 6080s 6090s 6100s 6110s 6120s 6130s 6140s 6150s 6160s 6170s 6180s 6190s 6200s 6210s 6220s 6230s 6240s 6250s 6260s 6270s 6280s 6290s 6300s 6310s 6320s 6330s 6340s 6350s 6360s 6370s 6380s 6390s 6400s 6410s 6420s 6430s 6440s 6450s 6460s 6470s 6480s 6490s 6500s 6510s 6520s 6530s 6540s 6550s 6560s 6570s 6580s 6590s 6600s 6610s 6620s 6630s 6640s 6650s 6660s 6670s 6680s 6690s 6700s 6710s 6720s 6730s 6740s 6750s 6760s 6770s 6780s 6790s 6800s 6810s 6820s 6830s 6840s 6850s 6860s 6870s 6880s 6890s 6900s 6910s 6920s 6930s 6940s 6950s 6960s 6970s 6980s 6990s 7000s 7010s 7020s 7030s 7040s 7050s 7060s 7070s 7080s 7090s 7100s 7110s 7120s 7130s 7140s 7150s 7160s 7170s 7180s 7190s 7200s 7210s 7220s 7230s 7240s 7250s 7260s 7270s 7280s 7290s 7300s 7310s 7320s 7330s 7340s 7350s 7360s 7370s 7380s 7390s 7400s 7410s 7420s 7430s 7440s 7450s 7460s 7470s 7480s 7490s 7500s 7510s 7520s 7530s 7540s 7550s 7560s 7570s 7580s 7590s 7600s 7610s 7620s 7630s 7640s 7650s 7660s 7670s 7680s 7690s 7700s 7710s 7720s 7730s 7740s 7750s 7760s 7770s 7780s 7790s 7800s 7810s 7820s 7830s 7840s 7850s 7860s 7870s 7880s 7890s 7900s 7910s 7920s 7930s 7940s 7950s 7960s 7970s 7980s 7990s 8000s 8010s 8020s 8030s 8040s 8050s 8060s 8070s 8080s 8090s 8100s 8110s 8120s 8130s 8140s 8150s 8160s 8170s 8180s 8190s 8200s 8210s 8220s 8230s 8240s 8250s 8260s 8270s 8280s 8290s 8300s 8310s 8320s 8330s 8340s 8350s 8360s 8370s 8380s 8390s 8400s 8410s 8420s 8430s 8440s 8450s 8460s 8470s 8480s 8490s 8500s 8510s 8520s 8530s 8540s 8550s 8560s 8570s 8580s 8590s 8600s 8610s 8620s 8630s 8640s 8650s 8660s 8670s 8680s 8690s 8700s 8710s 8720s 8730s 8740s 8750s 8760s 8770s 8780s 8790s 8800s 8810s 8820s 8830s 8840s 8850s 8860s 8870s 8880s 8890s 8900s 8910s 8920s 8930s 8940s 8950s 8960s 8970s 8980s 8990s 9000s 9010s 9020s 9030s 9040s 9050s 9060s 9070s 9080s 9090s 9100s 9110s 9120s 9130s 9140s 9150s 9160s 9170s 9180s 9190s 9200s 9210s 9220s 9230s 9240s 9250s 9260s 9270s 9280s 9290s 9300s 9310s 9320s 9330s 9340s 9350s 9360s 9370s 9380s 9390s 9400s 9410s 9420s 9430s 9440s 9450s 9460s 9470s 9480s 9490s 9500s 9510s 9520s 9530s 9540s 9550s 9560s 9570s 9580s 9590s 9600s 9610s 9620s 9630s 9640s 9650s 9660s 9670s 9680s 9690s 9700s 9710s 9720s 9730s 9740s 9750s 9760s 9770s 9780s 9790s 9800s 9810s 9820s 9830s 9840s 9850s 9860s 9870s 9880s 9890s 9900s 9910s 9920s 9930s 9940s 9950s 9960s 9970s 9980s 9990s 10000s 10001s 10002s 10003s 10004s 10005s 10006s 10007s 10008s 10009s 10010s 10011s 10012s 10013s 10014s 10015s 10016s 10017s 10018s 10019s 10020s 10021s 10022s 10023s 10024s 10025s 10026s 10027s 10028s 10029s 10030s 10031s 10032s 10033s 10034s 10035s 10036s 10037s 10038s 10039s 10040s 10041s 10042s 10043s 10044s 10045s 10046s 10047s 10048s 10049s 10050s 10051s 10052s 10053s 10054s 10055s 10056s 10057s 10058s 10059s 10060s 10061s 10062s 10063s 10064s 10065s 10066s 10067s 10068s 10069s 10070s 10071s 10072s 10073s 10074s 10075s 10076s 10077s 10078s 10079s 10080s 10081s 10082s 10083s 10084s 10085s 10086s 10087s 10088s 10089s 10090s 10091s 10092s 10093s 10094s 10095s 10096s 10097s 10098s 10099s 10100s 10101s 10102s 10103s 10104s 10105s 10106s 10107s 10108s 10109s 10110s 10111s 10112s 10113s 10114s 10115s 10116s 10117s 10118s 10119s 10120s 10121s 10122s 10123s 10124s 10125s 10126s 10127s 10128s 10129s 10130s 10131s 10132s 10133s 10134s 10135s 10136s 10137s 10138s 10139s 10140s 10141s 10142s 10143s 10144s 10145s 10146s 10147s 10148s 10149s 10150s 10151s 10152s 10153s 10154s 10155s 10156s 10157s 10158s 10159s 10160s 10161s 10162s 10163s 10164s 10165s 10166s 10167s 10168s 10169s 10170s 10171s 10172s 10173s 10174s 10175s 10176s 10177s 10178s 10179s 10180s 10181s 10182s 10183s 10184s 10185s 10186s 10187s 10188s 10189s 10190s 10191s 10192s 10193s 10194s 10195s 10196s 10197s 10198s 10199s 10200s 10201s 10202s 10203s 10204s 10205s 10206s 10207s 10208s 10209s 10210s 10211s 10212s 10213s 10214s 10215s 10216s 10217s 10218s 10219s 10220s 10221s 10222s 10223s 10224s 10225s 10226s 10227s 10228s 10229s 10230s 10231s 10232s 10233s 10234s 10235s 10236s 10237s 10238s 10239s 10240s 10241s 10242s 10243s 10244s 10245s 10246s 10247s 10248s 10249s 10250s 10251s 10252s 10253s 10254s 10255s 10256s 10257s 10258s 10259s 10260s 10261s 10262s 10263s 10264s 10265s 10266s 10267s 10268s 10269s 10270s 10271s 10272s 10273s 10274s 10275s 10276s 10277s 10278s 10279s 10280s 10281s 10282s 10283s 10284s 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10428s 10429s 10430s 10431s 10432s 10433s 10434s 10435s 10436s 10437s 10438s 10439s 10440s 10441s 10442s 10443s 10444s 10445s 10446s 10447s 10448s 10449s 10450s 10451s 10452s 10453s 10454s 10455s 10456s 10457s 10458s 10459s 10460s 10461s 10462s 10463s 10464s 10465s 10466s 10467s 10468s 10469s 10470s 10471s 10472s 10473s 10474s 10475s 10476s 10477s 10478s 10479s 10480s 10481s 10482s 10483s 10484s 10485s 10486s 10487s 10488s 10489s 10490s 10491s 10492s 10493s 10494s 10495s 10496s 10497s 10498s 10499s 10500s 10501s 10502s 10503s 10504s 10505s 10506s 10507s 10508s 10509s 10510s 10511s 10512s 10513s 10514s 10515s 10516s 10517s 10518s 10519s 10520s 10521s 10522s 10523s 10524s 10525s 10526s 10527s 10528s 10529s 10530s 10531s 10532s 10533s 10534s 10535s 10536s 10537s 10538s 10539s 10540s 10541s 10542s 10543s 10544s 10545s 10546s 10547s 10548s 10549s 10550s 10551s 10552s 10553s 10554s 10555s 10556s 10557s 10558s 10559s 10560s 10561s 10562s 10563s 10564s 10565s 10566s 10567s 10568s 10569s 10570s 10571s 10572s 10573s 10574s 10575s 10576s 10577s 10578s 10579s 10580s 10581s 10582s 10583s 10584s 10585s 10586s 10587s 10588s 10589s 10590s 10591s 10592s 10593s 10594s 10595s 10596s 10597s 10598s 10599s 10600s 10601s 10602s 10603s 10604s 10605s 10606s 10607s 10608s 10609s 10610s 10611s 10612s 10613s 10614s 10615s 10616s 10617s 10618s 10619s 10620s 10621s 10622s 10623s 10624s 10625s 10626s 10627s 10628s 10629s 10630s 10631s 10632s 10633s 10634s 10635s 10636s 10637s 10638s 10639s 10640s 10641s 10642s 10643s 10644s 10645s 10646s 10647s 10648s 10649s 10650s 10651s 10652s 10653s 10654s 10655s 10656s 10657s 10658s 10659s 10660s 10661s 10662s 10663s 10664s 10665s 10666s 10667s 10668s 10669s 10670s 10671s 10672s 10673s 10674s 10675s 10676s 10677s 10678s 10679s 10680s 10681s 10682s 10683s 10684s 10685s 10686s 10687s 10688s 10689s 10690s 10691s 10692s 10693s 10694s 10695s 10696s 10697s 10698s 10699s 10700s 10701s 10702s 10703s 10704s 10705s 10706s 10707s 10708s 10709s 10710s 10711s 10712s 10713s 10714s 10715s 10716s 10717s 10718s 10719s 10720s 10721s 10722s 10723s 10724s 10725s 10726s 10727s 10728s 10729s 10730s 10731s 10732s 10733s 10734s 10735s 10736s 10737s 10738s 10		