



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

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 Flight ID 050912N Flight Director TOM SHEPHERD Takeoff from MACDILL at 1745 UTC
 Mission ID 1916A OPHELIA AVAPS Operators DALE CARPENTER / JEFF SMITH Recovery at MACDILL at 0200 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	010715146	182323	27.284	78.170	1015.2	265/16	5	270/19	(RH heating cycles except where noted) 5-20% RH 200-500 mb in+wind's 10% RH 700-850mb ~400-500mb	1		01
2	011218015	183904	27.002	76.000	—	—	—	—	Bad T/RH, whole sounding; telemetry weak/poor below 818mb - 100% below 857 mb; late wind 3-235; no wind below 820 mb			X
3	044535335	183943	27.000	75.909	1015.6	230/12	5	250/17	Heaters off	1		02
4	011018050	185346	27.000	73.980	1016.5	205/13	8	230/15	No wind's ~ 250-350 mb on channel #1 - okay on channel #5; heaters off	1		03
5	011018042	190812	26.951	72.024	1016.3	165/14	7	225/12	25% RH @ 700mb (shallow)	1		04
6	010748064	192517	25.116	70.970	1016.4	120/10	8	180/03	30-40% RH 550-750mb	1		05
7	051926305	194714	26.997	69.003	1017.3	135/12	7	225/05	No wind's 245-295mb on channel #1 - okay on channel #5	1		06
8	044245125	201018	29.018	67.021	1018.6	115/08	4	300/11	700 RH = ~ 30% shallow	1		07
9	010645005	202741	30.893	67.083	1018.3	160/07	7	305/12		1		08
10	043945267	204300	30.092	68.974	1018.1	140/11	4	260/08		1		09
11	011018045	210150	32.008	69.969	1017.3	165/13	8	245/09	moist sounding	11		10
12	010748057	212029	33.996	68.998	1018.0	175/08	5	295/09	0-5% RH 400-650mb moist 650-6fc	111		11
13	011018033	214200	35.997	67.106	1018.3	280/15	7	315/21	5-15% RH 600-900mb 10-40% RH 200-600mb	1		12
14	010715143	215539	36.998	68.497	1018.0	255/13	5	315/20	5-30% RH 200-925mb	1		13
15	011118001	220927	37.912	70.002	1017.9	265/15	5	320/17	5-40% RH 200-950mb	1		14
16	011018031	223009	36.023	72.062	1017.9	128/07	14	310/05	5-20% RH 200-700mb moist 700-Sfc	1		15
17	010748065	224958	35.923	74.901	1016.9	090/11	8	085/08	5-15% RH 200-600mb 70-90% 600-Sfc	1		16



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Mission ID 1916A OPHELIA AVAPS Operators DALE CARPENTER / JEFF SMITH Recovery at MACDILL at 0202 UTC

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