



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

Storm OPHELIA Dropwindsonde Scientists JASON DUNION Page 1 of 2
 Flight ID 050914N Flight Director PAUL FLAHERTY Takeoff from SAVANNAH at 1756 UTC
 Mission ID 2616A OPHELIA AVAPS Operators JEFF SMITH / MARK ROBERS Recovery at MACDILL at 0110 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 #
								(RH heating cycles for all sondes)			
1	012615072	182040	31.60	78.28	1009.1	265/26 7	275/32	~5-10% RH 300-700mb moist below		1	01
2	011218127	183342	31.627	76.418	1009.7	210/19 7	245/33	dry above 700mb (~5-10% RH) 50kt westerlies 400-500mb		1	02
3	012545005	184716	32.697	74.931	1010.2	175/34 8	210/34	Cirrus @ FL 10-30% RH FL-550mb, moist below		1	03
4	012615082	190204	34.459	74.366	1010.4	150/28 8	175/32	5-20% RH FL-400mb, moist below very narrow dry slot - 850mb (down to 15% RH) No winds 250-295mb on AVAPS channel #2		1	04
5	012615194	191628	36.195	74.838	1009.7	130/18 7	155/25	some weak telemetry below 210mb on AVAPS channel #1 - better on channel #5		1	05
6	051926132	192924	36.997	73.080	1015.4	125/14 7	170/19	dry slot 500-600mb, otherwise moist		1	06
7	012615016	194600	38.988	72.945	1015.8	135/15 4	195/16	10% RH 300-600mb, moist above+below		1	07
8	012615180	200016	39.947	70.990	1017.6	160/08 5	215/12	dry thruout		1	08
9	012615209	201448	38.905	69.202	NA	170/13 NA	210/04	telemetry weak/poor + intermittent winds below 800mb; no heights 10-30% RH FL-800mb		11	09
10	012615197	202912	37.969	70.957	1016.9	150/14 7	190/08	5-25% RH 250-600mb		11	10
11	012625072	204528	35.992	71.011	1015.7	145/17 5	175/11	moist (Jordan-like)		1	11
12	051926036	210247	34.020	71.915	1013.9	165/25 26	185/18	moist; large RH telemetry gaps and spotty winds below 934mb		1	12
13	012225161	211815	33.050	69.995	NA	184/18	195/07	moist; poor telemetry at FOD DID not reach SFC (down to ~1007mb) - no heights		1	13
14	051926042	213358	33.875	68.056	1017.3	155/11 7	310/01	5-40% RH FL-600mb, moist below		1	14
15	012615181	214904	31.994	68.000	1017.4	180/10 7	000000	5-40% RH FL-600mb, moist below		11	15
16	012615023	220424	30.099	68.116	1017.9	136/7 55	070/03	5% RH 250-500mb, moist above/below		1	16
17	012025127	222012	30.999	69.998	1016.5	175/13 7	195/03	moist		1	17

V4150

270/27

210/27

175/37

145/30

135/23



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