

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm Hurr. Irene Dropwindsonde Scientists B. KLOTZ Page 1 of 2
 Flight ID 110825H1 Flight Director SEARS Takeoff from MacDill at 1949 UTC
 Mission ID 2309A Irene AVAPS Operators OLNEY Recovery at MacDill at 0325 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
✓ 01	103115468	204743	-78.71	26.01	996.4	292/43 7.2			I.P. (SW)	010
✓ 02	103515143	205930	-78.05	26.51	984.5	304/45 5.5			midpoint (inbound pass 1)	013
✓ 03	102815095	211145	-77.26	27.00	948.6	279/39 7.0			eyewall (SW)	015
✓ 04	103515375	211359	-77.15	27.11	947.7	224/08 5.6			eye	017 -shaky WD
✓ 05	103515377	211719	-76.96	27.27	951.3	121/76 10.1			pre-eyewall	021
X 06	102145084	211947	-76.83	27.39	—	—	—	—	eyewall (NE) - bad winds	X ← no tdrops FF
✓ 07	102135221	212829	-76.38	27.80	986.0	106/68 7.5			midpoint (NE)	022
✓ 08	103125318	214323	-75.89	28.52	997.6	098/43 7.2			endpt. (outbound pass 1)	024
✓ 09	103115494	215930	-77.22	28.81	997.1	060/47 7.5			start (inbound pass 2)	026
X 10	102815110	221001	-77.25	28.21	—	—	—	—	midpoint - fast fall	X
✓ 11	103125120	221150	-77.26	28.10	981.1	057/62 5.7			midpoint - backup	028
✓ 12	102815174	222746	-77.26	27.10	956.1	224/49 6.7			eyewall - (S)	030
✓ 13	103125110	225319	-77.18	25.45	997.2	237/45 6.0			end pt. (outbound pass 2)	035
✓ 14	102125238	230954	-75.84	26.12	998.9	178/45 8.1			start (inbound pass 3)	037
X 15	102525166	232237	-76.55	26.79	—	—	—	—	midpoint - fast fall	X
✓ 16	103515081	232429	-76.65	26.88	980.6	186/64 9.1			midpoint - backup	040
✓ 17	103125308	233315	-77.13	27.33	955.2	167/70 10.0			eyewall (SE)	041
✓ 18	102535059	234132	-77.63	27.66	955.7	016/60 6.1			eyewall (NW)	043
✓ 19	102815121	235118	-78.15	28.11	982.7	019/76 0.2			midpoint - rainband	045

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 Flight ID 110825H1 Flight Director SEARS Takeoff from MacDill at 1949 UTC
 Mission ID 2309A Irene AVAPS Operators OLNEY Recovery at MacDill at 0225 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
X 20	102815312	000349	-78.87	28.56	—	—	—	—	end point (outbound pass 3)	X
✓ 21	102525265	000442	-78.90	28.49	996.7	026/52 7.1	—	—	end point - backup	049
✓ 22	102535217	001717	-79.27	27.53	996.1	356/47 7.5	—	—	start pt. (inbound pass 4)	051
✓ 23	103115490	002900	-78.40	27.54	984.8	328/60 10.9	—	—	midpoint	053
✓ 24	103125094	004004	-77.56	27.57	949.9	314/52 0.5	—	—	eyewall (W)	056
✓ 25	103115377	004628	-77.09	27.65	950.0	140/70 7.2	—	—	eyewall (E)	057
✓ 26	103125312	004745	-77.00	27.64	955.9	140/80 5.5	—	—	second eyewall (E)	059
✓ 27	103125096	005407	-76.54	27.65	978.7	145/81 8.2	—	—	midpoint	061
✓ 28	102535106	011040	-75.47	27.75	996.8	146/35 4.7	—	—	end pt. (outbound pass 4)	063
✓ 29	102815123	013247	-76.08	29.02	997.7	107/52 3.2	—	—	start pt. (inbound pass 5)	067
✓ 30	102535243	014518	-76.72	28.45	—	103/60 7.8	—	—	midpoint - rainband -	069
✓ 31	102815070	015519	-77.24	27.99	955.0	080/70 5.0	—	—	eyewall (NE) -	071
✓ 32	103455096	015815	-77.35	27.82	942.3	177/04 8.0	—	—	eye	072
✓ 33	103515027	020135	-77.52	27.65	950.6	282/72 3.0	—	—	eyewall (SW)	074
✓ 34	103515031	021216	-78.04	27.19	982.2	299/58 6.5	—	—	midpoint	075
✓ 36	102815038	022700	-78.76	26.49	998.4	288/45 5.9	—	—	end pt. (outbound pass 5)	078

fast call

bad surface pressure