

HRD GPS Dropwindsonde Scientist Log (Revised 6/1999)

Storm Irene Flight Director Jack Parrish Page 1 of 1
 Flight ID 991014I1 Dropwindsonde Scientists M. Black Takeoff 1856 UTC
 Mission ID 0135A I AVAPS Operators _____ Landing _____ UTC
0513A Irene

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	10m wind (kn)	MBL wind (kn)	BT SST (°C)	Location Comment	Comments	Ob #
1	990415292	195525	24°38'	82°46'	1007	75/30	75/30	27.7	90% low	W/ARBT st. in to day w/ BT rain	10
2	991515020	200712	24°1'	82°14'	1003	90/45	90/45	28.1	rainband	W/ARBT	13
3	991515017	201536	23.6	81.8	1001.2	90/45	90/45	28.1	—	W/ARBT 50 miles north of Cape	14
4	990418020	215038	2252'	83°51'		20/34	—	—		100 mi west of ctr north shore	28
5	99253022	220748	23.1	82.8	992	30/40	30/40	—		west wind maximal	32
6	990415221	221419	23.2	82.5	992	30/40	30/40	28.2		east wind anytime	34
7	99253488	222631	23°30'	81°38'	1001			—	rain	rainband 50 miles east	36
8	992525861	229901	23.34	80.9	1003	110/36	115/40	—	rainband	~100 miles east of ctr.	40
9	990418027	230443	23°39'	81°4'	1007	110/32	105/32	—	—	Marathon SMOKE	45
10	992615049	232212	2355'	82°6'				28.6	rainband	50 miles NE of ctr	53
11	991435001	233206	23°32'	82°10'	no launch	data out				NE eyewall	—
12	992517702	234444				60/38	60/47			north eyewall?	49
13	992525880	235303							rainband		52
14	990845142	013519	24°7'	81°07'					rainband	south of Marathon	68
15	990415304	020059	23.69	81°45'					rainband	63 kt SFC winds 25 miles west	72
	990415304										

Step frequency seems too high in gulf stream.