

Hurricane Juan Dropsonde Sequence - September 29, 2003							
Drop #	Launch Position	SFC Position	Launch Time	SLP (mb)	Near-sfc	Wind LVL	Notes
			(UTC)		wind (kts)	(m)	
1	44.26N 63.77W	44.32N 63.91W	115.55	1000.1	52/077	12	
2	44.08N 63.81W	44.16N 63.97W	119.35	996.5	60/074	24	
3	43.85N 63.85W	43.92N 64.03W	124.14	988.6	62/065	9	
4	43.61N 63.89W	**	128.28	979.0	**	**	no wind data
5	43.35N 63.92W	43.46N 63.81W	133.11	977.0	67/179	12	
6	43.14N 63.95W	43.32N 63.78W	136.51	983.3	69/191	9	
7	42.90N 64.00W	42.99N 63.83W	140.59	992.6	49/199	9	
8	42.70N 64.01W	42.79N 63.85W	144.35	997.1	57/214	7	
9	42.53N 64.04W	42.59N 63.90W	147.58	1000.2	51/211	10	
10	42.20N 64.09W	42.27N 63.97W	153.46	1003.7	37/219	12	
11	41.85N 64.14W	41.92N 64.03W	159.47	1006.3	33/212	12	
12	42.45N 65.00W	42.48N 64.89W	215.21	1003.6	22/245	11	
13	43.31N 64.86W	43.30N 64.75W	227.39	996.5	29/277	12	
14	43.50N 64.63W	**	231.06	993.0	** &	**	spotty winds ABV 870mb
15	43.74N 64.33W	**	235.25	985.4	** &	**	poor wind data
16	43.97N 64.07W	44.01N 63.98W	239.15	976.8	34/204	12	
17	44.20N 63.78W	44.31N 63.83W	243.30	980.8	59/125	10	
18	44.30N 63.49W	**	246.38	989.4	**	**	wind only ABV 780mb
19	44.42N 63.14W	**	250.27	993.9	**	**	wind only ABV 810mb
20	44.53N 62.81W	44.71N 62.90W	253.54	999.7	53/107	12	
21	44.63N 62.48W	44.81N 62.57W	257.17	1004.4	46/118	40	might have landed on land
22	44.74N 62.15W	44.91N 62.22W	300.51	1006.4	44/108	8	
23	44.90N 61.67W	45.05N 61.73W	306.13	1010.0	45/124	7	
24	45.21N 60.68W	45.33N 60.71W	316.51	1014.2	36/127	12	
25	45.48N 59.77W	45.59N 59.79W	326.19	1017.5	37/132	35	
& Using drop#3 which had a similar upper wind profile to drops 18 and 19, estimated surface winds are 60 and 71 kts respectively. (compared 800-mb winds in #3 with surface winds and applied correction factor to 18 and 19)							