

Land Reel

HRD GPS Dropwindsonde Scientist Log (Revised 6/1999)

Storm Bret

Flight Director Barry D'Amiano

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Flight ID 990822I

Dropwindsonde Scientists Mike Black

Takeoff 1738 UTC

Mission ID WXWA Bret

AVAPS Operators Dale Carpenter

Landing 0210 UTC

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	984715165	203245	26.46	96.45					IP	stratiform rain	
2	984715367	203504	26.47	96.54			25.7		east eyewall - just inside R/W		28
3	984715195	204040	26.83	97.15			26.6		just inside eyewall 129 kt 500 ft		29
4	984715230	204113	26.85	97.13					just in eyewall 112 kt 47 m 130		31
5	984715148	204233	26.95	97.02					just in eyewall 115		35
6	984715221	205047	26.40	97.14					west eyewall		38
7	984715151	205113	26.40	97.15					west eyewall		41
8	984715312	205711	26.57	97.6					inland ~ 20 miles		44
9	984715340	210016	26.35	97.42					downwind leg inland		49
10	984715337	210247	26.17	97.28					downwind leg just offshore		51
11	984715140	210809					27.3		south point		52
12	984715092	211755	26.6	97.05			27.4		inside south eyewall - no wind		-
13	984715015	212157							north eyewall - no wind		-
14	984715330	212217					26.1		north eyewall		56
15	984715017	212304							northern rainband - outer		58
16	984325545	213115							heavy rain band		62
17	984715025	213854							below		63
18	984325547	214304							rainband north		80

34
-001
1000
2

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Storm Bret

Flight Director Benny Davanzo

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Flight ID 990822T

Dropwindsonde Scientists Mike Black

Takeoff UTC

Mission ID WXWKA 6rd

AVAPS Operators Dale Carpenter

Landing UTC

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 #
19	984715145	215134							North Eyewall	no winds	
20	984715227	215155							North Eyewall inner		66
21	985035077	215618				100 kts			South Eyewall inner		67
22	985035078	215809			winds drop out				South of eye - rain band - of		68
23	985035079	220048							South point		69
24	985035308	220857									
25	985035311	222150							rainband - near buoy 42020		
26	984325377	224420							on land NE of eye		
27	984325459	225850			Failed early				North Eyewall		695
28	985035110	230410							South of South Eyewall on beach		
29	985035061	232055							offshore		
30	985035056	232808							South Eyewall		
31	985035060	235702							eye northern eyewall #1		
32	985035109	235718			winds failed early				inside eye northern eyewall #2		75
33	984325363	233759			good winds				inside eye northern eyewall #2		77
34	984325414	234417							off eye		78
35	985035111	235538							rainband 50 mile north - along coast		

not on 1001

400 ft

no winds