

04182 27.0 78.9 19 26.48  
79.07

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

Storm Frances Dropwindsonde Scientists M. Black P. Dodge Page 1 of 2  
 Flight ID 040904I Flight Director Tom Shepherd Takeoff from N. Ori. at 1657 UTC  
 Mission ID 29069 AVAPS Operators Jeff Smith Ray Tengs Recovery at NAS at      UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface		BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
						dir/spd (kt)	hgt (m)				
1	004255305	184045	27.00	80.25	996	RS/40	10		RB	Just offshore Vero Beach	17
2	033048008	185158	27.19	79.66	978.3						20
3	004255298	185214	27.18	79.64						No winds	
4	022418089	190834	27.32	79.08	971.8					Eye wall NW	23
5	004255170	190949	27.34	79.09	973.3					Eye wall N	27
6	004255300	192137	28.10	79.11	995	69 kt				80 miles out	50
8	004255290	193549	28.42	80.43						108 miles NW RB	
7	033415318	193128	28.31	80.04	1001					115 miles out	32
9	010715016	194055	28.07	80.43	1000					TTU hit	35
10	033415071	194644	27.68	80.28	988						36
10	070715023	195208	27.32	80.08	988						39
12	004255169	200107	26.6	79.9	981.3					Old storm flow	41
13	010715017	200810	26.1	79.5						Old storm SW	
14	033415073	201033			991.4					South of eye 60m!	43
14	033518008	202701			977					Eye wall south	44
16	010715023	202715			976						45
17A	004255171	204551			991					Flow (1) East	48
18	004255302	204552									51
17	032335163	204426								NLD	

40 M/S SKMR  
 Eye wall NW  
 Eye wall N  
 Hurricane force

SKMR  
 SKMR  
 23 mi  
 25 mi  
 15 mi

Eye wall S  
 Eye wall

2225 2

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

Storm Frances Dropwindsonde Scientists M. Black Page 2 of 2  
 Flight ID 040904I Flight Director Tom Shepherd Takeoff from \_\_\_\_\_ at \_\_\_\_\_ UTC  
 Mission ID 29064 AVAPS Operators \_\_\_\_\_ Recovery at \_\_\_\_\_ at \_\_\_\_\_ UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd (kt) hgt (m)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
19	032335190	210408			989				East Side Hour F	
20	032335191	211009			1001				Eastern Point	55
21	032335190	210358			999.7				NE of center	57
22	032335188	213307							Turn Force N	59
23	032335189	211819		100		Light winds			50 kts NW of F	60
24	032335174	220510		1002						62
25	010715097	221152								65
26	010715015	221254				No winds				
27	004255303	222450				No winds				
28	032335305	222421				No winds				
29	004255297	222758				No winds				
30	010715019	222850				No winds				
31	010715018	224400			974				S Frances U	70
32	010715024	225932			970	Light winds				71
33	010715									
	004255296	230004			971					72

400  
wall

NW  
wall

Interference