

MAKE SHIFT GPS Log

LANDSEA/M. BLACK

19990915 I.D.ROPS

FLOYD XCDX/AIR-SEA/LANDFALL

Form E-5
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Take off
194745

WXWXA FLOYD
990915I

HRD Radar Tape Log

"The Land-sea
Experiment"

Flight 990915I Aircraft 43 Operator _____ Sheet _____ of _____
LF RPM _____ TA RPM _____

(Include start and end times of DATs, as well as times of FAST legs and any changes of radar equipment status)

GPS Launch
Trans #
WAF #

Trans #	WAF #	FAST On?	Event Time (HHMMSS)	FLIGHT LEVEL	SSI	SEMR	Event	Stc wind (10m)	Wind	GP	Comments		
1	1	7	202442	30° 6' 80" 34'	315°	61kt	60 kt	320-56	320-64	991	In cloud - Good!		
2	2	10	205305	30° 1' 79° 8'	310°	62	75kt	290-63	310-77	955	SE Eyewall - Good!		
3	3	11	205855	31° 20' 78° 56'	0-2	28.1	8 kt	90-54	0-0	950	Eye no winds 40-60		
4	4	14	210357	31° 35' 78° 38'	140°	75	21.4	82kt	95-61	105-83	955	NE eyewall Good!	
5	5	15	211421	32° 3' 78° 5'	140°	80	28.7	75kt	119-5	6120-72	976	85% strca below Good!	
6	6	17	212946	32° 46' 77° 12'	140°	73	-	60kt	35kt	130/57	991	rain Good!	
7	7	20	214702	32° 40' 78° 51'	90°	55	-	50kt	76/42	85/54	983	100% strca below Good!	
8	-	-	215618	32° 48' 79° 44'	05°	60	-	60	-	-	-	-	Rainband winds
9	-	-	215848	32° 41' 79° 57'	60	60	-	60	-	-	-	-	Rainband Fast
10	8	23	220136	32° 31' 80° 9'	50	55	-	55	355/50	-	988	Rainband spots	
11	9	26	222008	31° 35' 79° 3'	335°	57	27.5	85	335/86	345/92	958	Weyewall Good!	
12	10	28	223002	31° 7' 78° 23'	244°	80	22.6	80	210/88	225/88	963	SE eyewall winds first 60s	
13	11	32	225152	30° 10' 77° 8'	215°	67	28.5	55	105/55	205/69	994	80% strca sign 30s	
14	13	42	231126	31° 45' 76° 20'	175°	75	28.3	60	165/49	165/66	991	no winds 45s Good!	
15	12	41	232835	31° 53' 77° 47'	105°	105	28.4	85	140/74	150/99	969	Eyewall winds 60s	
16	-	-	233040	31° 55' 77° 56'	105°	120	28.4	90	No winds	-	-	-	Eyewall Good!
17	14	44	234455	32° 4' 79° 4'	23°	70	28.3	80	345/78	360/87	959	Weyewall Good!	
18	15	53	234940	32° 7' 79° 26'	28°	65	27.5	80	(300/86)	-	975	Rainband Spotty winds	
19	16	55	000730	31° 05' 78° 51'	206°	60	-	50	345/45	360/54	993	Dark (no winds 50s)	
20	18	63	003941	30° 17' 78° 28'	255°	57	27.5	45	255/37	255/45	945	Dark (no winds 40s)	
21	19	65	005325	31° 15' 78° 25'	250°	70	27.7	62	266/60	275/69	979	-	
22	20	66	010237	31° 53' 78° 27'	270°	75	27.8	70	(300/80)	250/89	960	SE eyewall	
23	17	59	010845	32° 16' 78° 34'	Calon	-	-	<20	calm	calm	951	Eye (no winds 40s)	
24	21	69	014440	32° 40' 78° 35'	100°	80	27.8	80	35/68	-	960	NW Eyewall winds 40s	

M

4 minutes before launch
could be when we were depressurizing for AXBT lay

900915I

GPS makes w/f
Log Page 2

HRD Radar Tape Log

Flight _____ Aircraft _____ Operator _____ Sheet _____ of _____
LF RPM _____ TA RPM _____

(Include start and end times of DATs, as well as times of F/AST legs and any changes of radar equipment status)

GPS Launch
25 22 71
26 23 72
27 24 79
28 25 81
29 - -
30 26 83

31 27 85
32 28 87
33 29 89
34 30 91
35 31 93

Tape #	F/AST On?	Event Time (HHMMSS)	Event	BL
991845324	017635	32°50'78"35'	75/75 125-0	75 45/71 55/82 966
991845309	013423	33°24'78"35'	103/65 -	over 45/34 60/41 988
991845302	014617	33°7'79"11'	57/65 -	30 340/52 355/68 982
99083808	015454	32°45'79"52'	23/52 -	65 340/65 340/73 985
98432577	022135	3253 78.97	350/76 -	2 N ^o winds
991845323	022535	32.6 78.64	-	86 307/75 315/86 954
		0230 -	reset radar	
991845308	023458	33 78°10'	136/92 -	86 88/90 95/97 960
991435052	024507	33 45' 7757	148/82 -	62 108/55 120/71 980
991845166	030606	34°21'76"48'	145/68 -	30 125/49 914
99121896	033645	33 20 782	80/80 -	75 50/65 60/76 968
991845810	033850	33 18 782	80/80 -	80 30/72 35/89 960

(no winds 503)
NW Eyewall
Top cloud
Rainband
rainband
47004 804
w eyewall

N. eyewall
rainband
ON beach
NW Eyewall
NW Eyewall
26.83

HRD Radar Scientist Check List

Flight ID: _____

Aircraft Number: _____

Doppler Radar Operators: _____

Radar Technician: _____

Number of digital magnetic tapes on board: _____

Component Systems Status:

MARS _____ Computer _____

DAT1 _____ DAT2 _____

LF _____ R/T Serial # _____

TA _____ R/T Serial # _____

Time correction between radar time and digital time: _____

Radar Post flight Summary

Number of digital tapes used: DAT1 _____

DAT2 _____

Significant down time:

DAT1 _____ Radar LF _____

DAT2 _____ Radar TA _____

Other Problems: