Floyd XCDX/Air-Sea/Landfall (LHX)

1999915II-RADAR

Preflight

E.5.1

E.5 Radar Scientist

The on-board Doppler radar scientist (DRS) is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and check lists are contained in the operator's manual supplied to each operator. General supplementary procedures follow. (Check off and initial.)

MB	1. Determine the status of equipment and report results to the on-board lead project scientist (LPS).
mo	2. Confirm mission and pattern selection from the on-board LPS.
MS	3. Select the operational mode for radar system(s) after consultation with the on-board LPS.
	4. Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.
E.5.2	In-Flight
	1. Operate the system(s) as specified in the operator's manual and as directed by the on-board LPS or as required for aircraft safety as determined by the AOC flight director or aircraft commander.
, E	2. Maintain a written commentary in the radar logbook of tape and event times, such as the start and end times of F/AST legs. Also document any equipment problems or changes in R/T, INE, or signal status.
E.5.3	Post flight
	1. Complete the summary check lists and all other appropriate check lists and forms.
	2. Brief the on-board LPS on equipment status and turn in completed forms to the LPS.
	3. Hand-carry all radar tapes and arrange delivery as follows:
s **	 a. Outside of Miami - to the LPS. b. In Miami - to MGOC or to AOML/HRD. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
	4. Debrief at MGOC or the hotel during a deployment.
	5. Determine the status of future missions and notify MGOC as to where you can be contacted.

HRD Radar Down-Time Log

riight	Aircraft	_ Operator	Sneet of
Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
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Item List: DAT1, DAT2, COMP, MARS, LF, TA.

Include serial numbers of any new R/Ts.

Form E-5

Floyd Landfall/Air-Sea/XCDX (LAX)

Page 2 of 3

HRD Radar Tape Log

Flight <u>9909/5</u> Aircraft <u>43</u>	_ Ope	
LF RPM	2	TARPM 10

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

Tape #	F/AST On?	Event Time (HHMMSS)	Event
	Yes	2034	Just past IP-
ere	v/es	2059	ere 950 31'20' 78'56'
	Yes	2130	120 ml NE
	Mes	2132	restanted radar capture
	a gara	2155 K	in resubend near sc.
		220139	Turn to 1350 to eve
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e Corea (a. Laster y marie e	yes	2229	
e e e			
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			2319 B+
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eyc		exe	233040 In eile
		2338-235	5 Big cell 4n Northerenall
		234507	234507 westerenalldon
	ries	2353	Whateroud
		000730	wsfpoint 31,980,7-on const
out y		0036-	sent LF cmp2-2325-2338
		003942	120 miles south of eye
		004637	
1. A. J. M.	2 ⁽²⁾ 10 8 8 1	005321	
inches de la constant		010245	

32,16 78.34 W

HRD Rada	ar Scientist Check List				
Flight ID: 9909/5]					
Aircraft Number: 43	1 long the				
Doppler Radar Operators: F. Marks / M. Black Bader Technician: 771007 64056					
redui recrimical.					
Number of digital magnetic tapes on board:					
Component Systems Status:					
MARS	Computer				
DAT1	DAT2				
LF	R/T Serial #				
TA	R/T Serial #				
Tukeo CF Time correction betw	veen radar time and digital time:				
1047	Post flight Summary				
Number of digital tapes used: DAT1					
DAT2	-				
Significant down time:					
DAT1	Radar LF				
DAT2	Radar TA				
Other Problems:	· se 🐔				

Playd LAX

Form E-5 Page 2 of 3

HRD Radar Tape Log

Flight 99915 Aircraft 43 Operator M. G.C. Sheet of 2

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

Tape #	F/AST On?	Event Time (HHMMSS)	Event
	Yes	011440	Sonde BT- Raile
	Yes	0110	
	yes	012405	
	Ves	003419	Sonde at coast Morth Pt
	Yes	014639	Sonde along coast
	Lies	015457	Sorce of Charleston coast
	204	020154	turn back to eye at
	yes	0230	poset Radar
6 8 90 4 E	yes	0232	Radar Back Up
	-	0234	radardown
	·Ve	0238	RADAR BACK UP
	105	0250	terry Lynch will swap tall
			transmitters,
		0304	turn SSW, allows Coast
		0316	Teil ? Chun
	1	0318	7ailup /
		033)	Turn to south, go into exe ca
William V		0343	Pount center founts Sh
		0424	sent LF cmps (02302)
			TB 97-99
		0434	ID 100-101 CFCMPY
		0500	End recording
			nemmapol
		0509	lanking

HRD Radar Down-Time Log

Flight	Aircraft	_ Operator	Sheet of
Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
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Item List: DAT1, DAT2, COMP, MARS, LF, TA.

Include serial numbers of any new R/Ts.