19920929II.RADAR Sep 29 1992

E.5 Doppler Radar Scientist (On-Board)

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.)

E.5.1 Preflight

- 1. Determine the status of equipment and report results to the on-board lead project scientist (LPS).
 - 2. Confirm mission and pattern selection from the on-board LPS.
 - 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.5.3 Postflight

- 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:
 - a. Outside of Miami to the HRD operations center (FGOC).
 - 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.]
- Debrief at the appropriate operations center (FGOC or MGOC).
 - 5. Determine the status of future missions and notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted.

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Doppier Radar Scientist Check List					
Flight ID <u>92092921</u> Aircraft # <u>43</u> Operators <u>M. Black S. Houston</u> Radar Tech. <u>Dia Rotes, Terry Lynch</u> Number of digital magnetic tapes on board <u>Several Boxes</u> Number of tape labels on board <u>Enough</u>					
Component systems up and checked:					
MARS Computer Computer DMTR1 DMTR2 LF R/T# 201					
TA $R/T#$ $R/T#$					
Time correction between radar time and digital time					
Number of digital tapes used: DMTR1 DMTR2					
Significant down time:					
DMTR 1 Radar LF DMTR 2 Radar TA					
Other problems:					

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HRD Radar Tape Log

Flight 9209292 Aircraft 43 Operator M. Black Sheet of ____ Time On Time Off Tape # (HHMMSS) (HHMMSS) Comments to SE, 2007 at IP north off 1930 USI 191800 200630 101 1 e 2018, FAST 203154 tos. er 200630 eye least off ENO FAST 0 21 00 Aptrox 10 E PROBLEM 2050 21 2000 D 0 0 SHEET WAITING OW HEAS NE NON-FAST. 21 214800 21 2000 FI ban W eno 2 201 800 ngeleck 046 mars NW P ect hd DOM Qu Q 00300 700 m00000

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HRD Radar Down-Time Log

Operator M.Black

Sheet _____ of ____

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
01 T1-			
P2T2	210700	212000	Bottom type Orive Not WONKENG Started Tane Drive # 1, UILL WAS
			SAVED TAPE IN CASE SEME DADA ON IT
2273	2148	BLEM THIS	TIME, ALL APPEARS O.K.
DITY	2228	2230	Not upditting, stop + stur
			//
and a second			
<u>.</u>			
	and the second se		

Item List: DMTR1, DMTR2, COMP, MARS, LF, TA.