19980927H2_TRADAR

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Doppler Radar Scientist Check List

Flight ID:98 0921 H1			
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Doppler Radar Operators: GAMACITE			
Doppier Radar Operators:			
Radar Technician:	INTER		
Radar Technician:	0		
Component Systems Status:			
MARS	Computer		
DAT1	DAT2		
LF	R/T Serial #		
ТА	R/T Serial # R/T Serial #202/123		
Time correction between radar time and digital time:	RADAR STILL Pasec ahead of flight-leve		
	2 TADES LEGT		
Radar Postflig	ght Summary		
Number of digital tapes used:	DAT1		
	DAT2		
Significant down time:			
DAT1	Radar LF		
DAT2	Radar TA		
Other Problems:			

E.5 Doppler Radar Scientist (On-Board)

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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

- 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.
- 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.
- 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 Postflight

NEAL

- 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 Field Ground 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.]
- 4. Debrief at the appropriate operations center (FGOC or MGOC).
- 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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HRD Radar Tape Log

\$

Flight 980 921 HI Aircraft NY2RF Operator GAMACHE Sheet 1 of TA RPM ____ /J LF RPM _____ 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
		161836	GRANTLEY ADAMS T/0
DITI	\checkmark	1628	REWADING STARTED FOR ME BEFORE
			THIS TIME 2100/1400
		174120	Changeng
	NO	174218	Navin 1600/1600 continuous
		180845	Turning
in the second	YES	180950	1600/1000 FAST Tou 3rd pertruh
	NO	\$50??	1602/1600 continuor 1
	NO	185100 *	
	ND	10,1600	Turning
	YES	191654	1600/1600 FAST
	YES	214/10	IN SYN FLOW PATTERN CONV CONTINGUP
		003230	END REIDEDING
1.20		0059	LANDING AT OPA LOCKA-
		and a second	
			A second seco
			Â

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HRD Radar Tape Log

Flight	Aircraft	Operator	Sheet of
LF RPM	1	TA RPM	-

LF RPM ____

(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	
S. A.	2.2	9.39	Shart Start		1
. Sugar	1.10	No. C. Starty			
			Server and and		
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			and the second	SALAN STREET	
- M. S. A. M	19 years	Ter to	11 (32)		
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1.2.10			in the second	601	
San an a		1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -			
				ada di Sangaran Sang Sangaran Sangaran Sang	-
	1.42.45	el d'Alexandre da			
		and the part of the	Aller -		
1	14.1				
1	Sec.				
			A		
5.					

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HRD Radar Tape Log

Flight	Aircraft	Operator	Sheet of
LF RPI	М	TA RPM	

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

F/AST On?	Event Time (HHMMSS)	Event
	a second	Marine Marine Marine
	a dia tanàna	
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	an de la compañía de la compañía A compañía de la comp	
		Â
	F/AST On?	F/AST On? Event Time (HHMMSS) I I I<

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HRD Radar Down-Time Log

Operator GAMACHE Flight ID 980921 H1 Sheet _____ of ____

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
	a de la composición d		NONE
		and the second	
		an guile although	
		1	
		1.1.1.1	
a service and	19.9	a series and and	
	-	and an and a state	
	3.4.1.1	a trapicaent i dat	

Item List: DAT1, DAT2, COMP, MARS, LF, TA.

Include serial numbers of any new R/Ts.

98091741 98082141 1940 Interesting reflectivity on radian of 5-10 DB2 172845 They seen 200 mm out from center as we approached eye from SE. ZD nm 16 32 63 23 172900 soude \$ 1732 KING PROBE WIRE BROKE 173 6352 173810 sonde 174218 Now in Continuous 1 1600/1600 mode for VTD Estimated 6 1749 64 54 17,74 18/ 6512 Sande equilal gran to SW 181134 1828 65 39 Soude

N1828 1750.3 6458.5 183455 East Junk N30 nm. Wire ken sering in the very frurtwent Stuff ver echo Lp on some of these bands 184332 1756 64° D' Sonde 185723 18°3' 64 51 Sonde possed under some turbelit 103 (1) 50 6504.5 190830 1733 6522 Soude 191742 174 6542' Soude 193853 1755 6511 gåde 1939 9 17548 65.09.0 1945 13 1883 6511

980923H Hurricque Georges Receondistance 6.25 - Eric Uhlhorn Rodar (Sonder M. Black Werstation P. Leichton 102 - takeo RE - 9 h From Opg-locka beorges emerging Forom west coast of Hult's after transversting length Should be a minimal hurricare or strong troping 1 storm 1137 Fliping through strong convective rainband NW of CENE 1204 - eye? center 996m) poor radar presentation some banding north strong bandson east, routh sides converging on coast Max Flight-level winds - 60 fle SFC-40Kts Crom sorder Storm moving WNW at 12kts



