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Radar Scientist Checklist

Flight ID 19870922II-RADAR Every of tail, every of
Aircraft # 43
의 게이를 제가되었다면서 사용하는데 이번 이번 전에 가장하는데 바로 이번에 되었다면 하는데 보고 보고 있다면 보다는데 되었다면 하는데 보고 있다면 보다는데 보고 있다면 보다는데 보다는데 보다는데 보다는데 보다는데 보다는데 보다는데 보다는데
Operators Dodga Kaplan Radar Tech Schricker, Tavvi
Number of digital magnetic tapes on-board at least 50 (2400')
Number of tape labels on-board
Component systems up and checked:
RDSCDSC1
ComputerDSC2
DMTR1
LF
TA R/T# 201 (DOPPLER)
Time correction between radar time and digital time raclar time ~ 2 seconds fast
Radar Postflight Summary
Number of digital tapes used DMTR 1
DMTR 2
Significant recorder downtime:
DMTR 1Radar LF
DMTR 2Radar TA
Other problems:
SEE DOWN TIME LOG.
Problem (mech) with Tape drive
Problem (mech) with Tape drive 1 Tapes lasted ~ 50 minutes ~ 1400 take TIFF

E.5 Radar/Airborne Doppler Radar Scientist (On-board)

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

E.5.1	Prefli	ght gatasi-IISC Porspi
	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.
	_ 3.	Select the operational mode for radar system(s) after consultation with the HRD/RS and the on-board LPS.
	_ 4.	Complete the appropriate preflight calibrations and checklists as specified in the radar operator's manual.
E.5.2	In-Fli	ght
	_ 1.	Operate the system(s) as specified in the operator's manual and as directed by the HRD/RS unless superseded by directions from
		the on-board LPS or as required for aircraft safety as determined by the OAO/Flight Director or Aircraft Commander.
E.5.3	Postfl	ight
	_ 1.	Complete the summary checklists and all other appropriate checklists 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 OAO/Flight Director.]
	4.	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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HRD RADAR LOG

Dodge
OPERATOR Kaplan
SHEET 1 OF ____

RADAR DOWN-TIME LOG

	TIME DOWN	TIME UP	PROBLEM_
DIME !	15 t 7	1529	Misboded tape sol first run restartur
Drive!	1529	1535	Drive fucked up again 1 spindle lock ?) AL I & Terry S looked
DRIVE 1	1630		at 61600) FUCKED AG
₽	1710 Al because tapes	a terry reli	raded radar program
1733 - Switche	ed to "JUST USE	DRIVE 2"	while Terry & Al try to
fix drive 1			
1820			yed and TO 1 starbed.
2007 FM no	ted TA display &	locked - AJ	says DSC maybe locked,
			-

HRD RADAR TAPE LOG SEP SA SET Form E-5 Page 2 of 4 SEP 22 1987 OPERATOR KAPLAN FLIGHT 876922II AIRCRAFT 43 SHEET | OF Source Radar Comments Time Off LF Time On Tape # while thecking 1517-1518 GAP ~ record ingo sequence Tape tucket UP 4535 529 1637 1538 fucked again STOPPED -17:13 1636 PROG RESTARTED_ 1719 ~ 1723 RETRY 1820 Rewind 1820 1728 11840 - 1850 GAP 1914 1820 1-2 WITHOUT INCIDENT ! 1914 2006 2-4 N 2057 2006 1-3 N 2149 2057 NOTE SEQ OF TAPES 2240 2149 1-4 LAST TAPE 2300 2240

SEP 22 1987

E.5 Radar/Airborne Doppler Radar Scientist (On-board)

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	2.	Confirm mission and pattern selection from the on-board LPS.
d	3.	Select the operational mode for radar system(s) after consultation with the HRD/RS and the on-board LPS.
	4.	Complete the appropriate preflight calibrations and checklists as specified in the radar operator's manual.
E.5.2 Ir	n-Flig	ght_
	1.	Operate the system(s) as specified in the operator's manual and as directed by the HRD/RS unless superseded by directions from the on-board LPS or as required for aircraft safety as determined by the OAO/Flight Director or Aircraft Commander.
E.5.3 P	ostf1	ight_
	1.	Complete the summary checklists and all other appropriate checklists and forms.
	2.	Brief the on-board LPS on equipment status and turn in completed forms to the LPS.
</td <td>3.</td> <td>Hand-carry all radar tapes and arrange delivery as follows:</td>	3.	Hand-carry all radar tapes and arrange delivery as follows:
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Radar Scientist Checklist

Flight ID 870922 I/
Aircraft # 43 RF
Operators <u>Gamache</u>
Radar Tech Schricker, Jarvi
Number of digital magnetic tapes on-board
Number of tape labels on-board
Component systems up and checked:
RDSCDSC1
Computer DSC2
DMTR1DMTR2
LFR/T#
TAR/T#
Time correction between radar time and digital time
7,0770-1 = 01.510,00
Radar Postflight Summary
Number of digital tapes used DMTR 1 24 Dongler
DMTR 2
Significant recorder downtime:
DMTR 1Radar LF
DMTR 2Radar TA
Other problems:
Doppler wohed well. There were problems in reflectivity several times during the flight. The asswrist appear to have been DMTR problems. This should still be a great data set!
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HRD DOPPLER RADAR TAPE LOG SEP 22 1987

32, max, 38 km 1 15 4550 2 15 4850 3 16035 160810 3 16035 16300 4 16 3440 16970 5 16500 17600 6 17020 17130 7 171750 172740 8 172940 174400 9 174602 175910 10 180/25 181420 11 1816/0 183315 12 183530 1850 20 13 1920 30 193300 14 193500 174900 15 1855 20800 16 20102 2020 40 17 202230 203400 18 203635 205602 19 205755 21800					RCE*	committee for gan rate range
2 154805 160810 3 160035 1/3/00 4 163440 169750 5 165000 176000 6 170226 171320 7 171750 172740 8 172940 174400 9 174602 175910 10 80/25 18420 11 181610 183315 12 183530 185020 13 192030 193300 14 193500 194900 15 185155 200800 16 28102 203400 17 202230 203400 18 203635 2056020 19 205755 21800	TAPE NO.	TIME ON	TIME OFF	V	H S	COMMENTS** (#pulses, scan rate, range)
3 161035 163100 1 Tail at may llayaron (25°) 4 16340 169780 1 5 165000 178000 1 6 170220 171300 1 7 171780 172740 1 8 172940 174400 1 9 174602 178910 1 10 80/25 181420 1 11 181610 183315 1 12 183530 185020 1 Formatler neglection of minds	1	15230	154550		V	tope: No rodor vicording
4 163440 164750 1 5 165000 176000 1 6 170226 171320 1 7 171780 172740 1 8 172940 174400 1 9 174602 175910 1 10 180/25 181420 1 11 181610 183315 1 12 183530 185020 1 Foundley reflems of early list of the second of	2	154805	160810	\perp	V	- a K = 01 aloust = (250)
5 1/5000 17800 6 170226 17/320 7 171780 172740 8 172940 172400 9 174602 178910 10 180/25 181420 11 181610 183315 12 183530 185020 Foundly reflems group for the first f	3	161035	163100		V	an eyend purhation (25°)
6 170226 /7/300 7 /7/780 172740 8 172940 /74400 9 174602 /75910 10 180/25 /8/420 11 18/6/0 /83315 12 183530 185020 / Foundley before growth and find that 13 192030 193300 / may 3000 1 1257 of medical of the find that 14 193500 /14900 15 17 20230 203400 / 18 203600 / 18 203635 205600 / 18 203635 205600 / 18 203635 205600 / 19 205755 21800	4	16 3440	164750	_	V	
7 171780 172740 8 172940 172400 9 174602 175910 10 180/25 181420 11 181610 183315 12 183530 185020 13 192030 18300 14 193500 194900 15 195158 200800 16 20102 202040 17 202230 203400 18 303635 205602 19 205155 211800	5	165000	170000			
8 172940 174400	6	170220	171300		V	
9 174602 175910 10 180/25 181420 11 181610 183315 12 183530 1850 20 13 1920 30 193300 14 193500 194900 15 1855 200800 16 20102 202010 17 202230 203400 18 203635 205600 19 205755 21800	7	171780	172740		2	
10 180/25 181420 11 181610 183315 12 183530 1850 20 Foundly reflews grow have occurred after fact had	8	172940	174400		L	
11 181610 183315 12 183530 185020 Foundley reflews group have 13 192030 193300 may just which the first his 14 193500 194900 15 1955 200800 17 202230 203400 which is a second which is a s	9	174602	175910		V	
12 183530 1850 20 Foundley reflews group for the first his his occurred after the first his his occurred after the first his his new part of medical stakes appear 14 19500 14900 15 15155 200800 17 202010 17 202030 203400 17 20230 203400 17 203635 205600 17	10	180125	181420		V	
13 192030 193300 / may just he was of miedas 14 193500 194900 15 195155 200800 - (6 20102 202010 - 17 202230 203400 - 18 203635 205600 - 19 25555 211500	11	181610	183315		V	
13 1920 30 193300. 14 193500 194900 15 195158 200800 (6 20102 2020 10 17 202230 203400 18 203635 205602	12	183530	1850 20		V	
15 A5155 200800 (4 25102 2020 10 17 202230 203400 18 203635 205602 19 205155 21800	13	1920 30			V	hay just he less of miles
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18 203635 205602 V 19 205755 21800	16	20102	202010		4	
19 205755 211800	17	202230	203400		L	
19 2.5755 21860 20 21385 21810	18	203635	205600	_	L	<u> </u>
20 21205 2200	19	205755	2/1800		1	
	20	21205	23/10	0	V	1

^{*}Vertical, Horizontal, or Full Sweep Scan

^{** #} of pulses averaged (32,64,128,256); scan rate(Min(Max); range resolution(150m, 300m)

^{22 215130 - 220525}

^{23 220750 - 222845}

^{24 223115 - 224917}

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HRD RADAR LOG

OPERATOR	
SHEET	OF

RADAR DOWN-TIME LOG						
	TIME DOWN	TIME UP	PROBLEM			

ITEM LIST: VTR. DMTRI, DMTR2, COMP, ROSC, LF, NO, TA, DSC1, DSC2







