

NHEML RADAR TAPE LOG

JUL 28 1981

19810729H1 - RADAR

FLIGHT 810729H AIRCRAFT 42 RF

OPERATOR MARKS FEINBERG SHEET OF

TAPE #	TIME ON	TIME OFF	SOURCE RADARS			REWOUND?		COMMENTS
			NO	TA	LF	YES	NO	
DIT1	17422	145721	X		X	X		Swan start of 2nd E→W leg
D2T1	~1422	145721		X				
	150400	155045				X		navigator has control of LF (in sector mode.)
								~1450 took back control of the LF radar in cont. scan mode
								145721 SYSTEM DOWN
								DSC test crashed out the system
DIT2	150500	160142	X		X	X		taken off when data system crashed ~ 3/4 of a tape full
D2T2	155348	160142		X		X		start of stairstep after second E-W pattern
DIT3	~163800	174300	X		X	X		NO DSC'S JUST DATA
DIT4	174510	185235	X		X			CHANGE TAPE MID SOUND
								END 3RD EW PASS
D2T3	181920	195520	X			X		on after 150' pass in stairstep.
DIT5	185448	200200	X		X			start of 1000' E→E run to finish box (43 blocks)
								1920 good tail data while passing south of cell.
D2T4	195645	212530		X		X		good tail data of arrival Nor
DIT6	200340	210603	X		X	X		end of next to last leg of stairstep.
DIT7	210835	214100	X		X	X		start at beginning of last W-E leg.
	2134	broke pattern						painting south Florida with LF

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SHEET _____ OF _____

RADAR DOWN-TIME LOG

8107294

ITEM	TIME DOWN	TIME UP	PROBLEM
RDSC DSC1 DSC2	~1230	1422 (RDSC DMTRI DMTR2)	DSC2 appeared to be malfunctioning causing the radar computer to Halt. P. Connors and B. Burlis worked on it for the about 2h and narrowed the problem down to DSC2. DSC1 is not working too well either. (stopped working) Started recording at 1422 even though DSC's not working. well.
Analog Scope for tail and LF display			doesn't work well. Can't adjust the intensity down. Switch analog scopes

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

power

because we had no other display to use for pointing antennas

Computer

had intermittent
Halts (ruffly 1 every
40-50 min during
flight) B. Burlis
just restarted program
each time. May be
related to problem with
DSC's not working!!

RADAR PREFLIGHT CHECKLIST

FLIGHT # 810729 ^H JUL 29 1981

A.C. # 42RF

OPERATOR MARKS / FEINBERG

RADAR TECH B. Bur13

NUMBER OF DIGITAL MAGNETIC TAPES ONBOARD 25-27

NUMBER OF VIDEO TAPES ONBOARD _____

NUMBER OF TAPE LABELS ON BOARD >100

COMPONENT SYSTEMS UP AND CHECKED.

RDSC ☒
COMPUTER ☒
DMTR1 ☒
DMTR2 ☒

VTR _____
DSC1 ☒ problems
DSC2 ☒ X out
SCOPES ☒

NO ☒
LF ☒
TA ☒

Time correction between radar time and digital time _____

RADAR POSTFLIGHT SUMMARY

NUMBER OF DIGITAL TAPES USED DMTR 1 7
DMTR 2 4

NUMBER OF VIDEO TAPES USED _____

SIGNIFICANT RECORDER DOWN TIME (other than for tape changes).

DMTR: LF _____
NO _____
TA _____ } first 2h of flight while
trying to fix DSC problem

VTR: LF _____
NO _____
TA _____

OTHER PROBLEMS: (stabilization, interference, etc.)

No DSC's intermittent Halt of radar
Computer.