

**DOCKET NO.: SA-517
EXHIBIT NO. 3-X**

**NATIONAL TRANSPORTATION SAFETY BOARD
WASHINGTON, D.C.**

**FAA FORM 6030-1, FACILITY MAINTENANCE LOGS
OUTER MARKER, VOR, LOCALIZER, GLIDESLOPE
VASI & MALS**

(56 pages)

F-10281976

FACILITY MAINTENANCE LOG			STATION AGORA. OHIO	MONTH AND YEAR DEC 1976
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
23	0325		At site for maint. notes on power O.K.	MA
21	0630		Work on V.M. ground cable in pits. Repair ATC (Kul) dig site. SCMT's done NOTAM.	MA
	0330	51	OM cert. filed.	MA
	0731		Departing site	MA
31	0712	82	Work on ground cable (Kul) out of pits in 145 (120) - CM. Insert lots.	MA
	0715		At site. No AC power.	MA
	0745		Work on ground cable in pits. Air temperature 50 degrees. Normal. Heavy rain.	MA
		51	OM cert. filed.	MA
	0750		OM RTS - Departing site.	MA
JANUARY 1977				
1	2315		Arrived at site for maint. Primary power still not available.	MA
	2325		Equipment on battery now on.	MA
	2330		Strapped loose transmission cables.	MA
	2335		Departing site.	MA
2	2325		At site for maint.	MA
	2355		Primary power O.K. Departing site.	MA
FEBRUARY 1977				
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

F-10281977

FACILITY MAINTENANCE LOG			STATION HANA B. 010, 01	MONTH AND YEAR FEBRUARY 1997	
DATE	TIME (24 HOURS)	CODE	REMARKS		INITIALS
5	2210		Arrived at site for maintenance.		MA
	2240		Worked on battery installation.		
			Installation of commercial power.		MA
		51	Checked status of equipment at site.		MA
	2245		Departing site.		MA
March 1997					
05	2330		Arrived site with ET (PE) to check facility & found CTS & battery abnormal.		AC
	2335		Commercial power CTS detecting troubleshooting. ET (PE) departed site to advise fuel depot maintenance.		AC
06	0010		Commercial power RTS, maintenance advised breaker had to be reset.		
			Repair electric transmission lines shorting out during high winds.		AC
	0035		Departed site with ET (PE) to buy batteries.		AC
	0300		Arrived site with ET (PE) with two SD batteries.		
	0445		Facility RTS AC Delete this line		AC
	0320		Completed new battery installation & equipment came up normal. Charging circuit still CTS.		
06					AC
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN	
			3/6/97	AC/Name	

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F-10281978-

FACILITY MAINTENANCE LOG			STATION Agana Guam	MONTH AND YEAR March 1997.
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
06	0430		Continual trouble shooting & found transformer T-1 opens under load & transformer Q2 & Q3 open.	
	0444 0445	51	Outer Marker certified	AC
	0445		Outer Marker RTS on battery operations.	AC
	0500		Departing site with ET(PE) to order transformer Q2 & Q3 on PI.	AC
10	0340		Arrive site with (MA)	ggb
	0345		R&R Power supply No AC power. Battery full.	ggb
10	0350		Outer Marker - OTS	ggb
	0400		Depart site with (MA)	ggb
10	2345		Arrive site with (DM)	ggb
11	0125		Depart site	
19	2145		Arrived site for corrective maintenance.	MAA
20	0145		Problem identified to T1 plug in Power Supply. temporarily bypassed defective connector pins. charged batteries with external charger. at present returned to normal power supply charger.	MAA
		51	Outer marker certified.	MAA
	0150		Departing site.	MAA
JUNE 1997				
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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F-10281979

FACILITY MAINTENANCE LOG			STATION Agua GUAM	MONTH AND YEAR June 1997
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
12	0240		Arrived on site for Safety Inspection w/ GALO (arrived)	JP
	0240		Completed Safety Inspection	JP
	0250		Departed site w/ GALO (arrived)	JP
			July 1997	
11	0404		Ground site with contractor (M. Fajas)	
			for Solar Panel survey.	AC
	0430		Reporting site.	AC
			August	
5	2345		Arrive Site with m. Luis Andres	JPB
	2346		Facility on battery power; commercial power is not available. Notified of aircraft accident by SSC supervisor ACM.	
	2347		Began meter readings.	AAA
	2348		Completed meter readings and certification parameter checks on Out-Marker.	AAA
	2350		The operation of the out-marker was checked and found normal. Meter readings and certification performance were within established standards and tolerances.	
			I certify that this is a true and complete statement of my findings with regard to CM for the date and time indicated.	AAA
			(Continued on next page) (F-10281980)	AAA
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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F-10281980

FACILITY MAINTENANCE LOG

STATION
AGANA GUAM
SUBJECT OF LOG
GUMI OUTER MARKER

MONTH AND YEAR
August 1997

DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
5	2350		TECHNICIAN: <i>Antonio Davila</i> TITLE: E.T.	
			OBSERVER: <i>Alvin Baptiste</i> TITLE: Comm/NAL Coordinator	
6	0004	51	Outer Marker ^{equipment on} <i>Notified</i>	<i>MM</i>
	0907		Depart Site Last Entry this Page	<i>agB</i>
/				

DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE	DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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G-1506781

FACILITY MAINTENANCE LOG			STATION AGANA, GUAM	MONTH AND YEAR MAY 1997
			SUBJECT OF LOG GUM Localizer	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
1	0245		ARRIVE site for monthly ENV. PMS and to check on E/G	SD
	0340		Completed A/C maintenance switched ACM I as Lead and A/C #2 as Lag units. Agreed	SD
	0355		Completed Monthly as per code MS & MH	SD
	0351		Depart site	SD
09	0340		Arrived site with PMCT for lead paint survey.	AC
	0350		All departing site.	AC
15	0435		ARR FAC for monthly maint	SD
	0436		COORD w/ATCT (S) for remote alarm	SD
	0445		completed monthly maint IAW 1750.49	SD
	0446	SI	GUM LOC certified	SD
	0447	SI	GUM ILS certified	SD
	0450		advised ATCT(S) maint on LOC completed	SD
	0755		DEP FAC	SD
17	0150		ARRIVED on site w/ auto cameras for Safety Inspection	SD
	0154		Departed site w/ auto cameras	SD
JULY				
21	2200		ARR FAC FOR TASK COUNT INE	EE
	2205		DEP FAC	EE
	2245		LOC. Arrived site for maint.	RE/AAA
	2319/60		LOC. Perform of monthly maint for test of lead time (short)	RS/AAA
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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G-1506782

FACILITY MAINTENANCE LOG

STATION: AGANA, GUAM
SUBJECT OF LOG: GUM LOCALIZER

MONTH AND YEAR: July 1997

DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
28	2328		Loc Monthly maintenance completed IAW 6750-19 para 410.C.12.	PC/MA
		51	Loc: Localizer equipment at field	MA
	2330		Loc: Departing site	PC/MA
AUGUST 1997				
5	1950		Loc Arrived site for aircraft accident equipment evaluation.	AB/MA
	1951		Notified by SSC Manager, (Anthony Main) that a Korean Airline 797 was down near VORTAC begin equipment evaluation.	MA
	2045		Loc - Performed evaluation of the localizer equipment including ground checks. Antenna wiring and ground checks were found to be in excellent condition and to be accurate.	MA
5	2050/60		Loc - Performed remote monitor but down alarm response AT attempt (sheep) confirmed checks.	AB/MA
5	2056	51	Loc - Localizer equipment at field.	MA
5			TECHNICIAN: <u>Anthony Main</u> TITLE: E.T.	
			OBSERVER: <u>Abim J. Poyate</u> TITLE: NAV/Comm Coordinator	

DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE	DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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FACILITY MAINTENANCE LOG			STATION HARRIS EMAIN	MONTH AND YEAR FEB 1997
			SUBJECT OF LOG GUM FLU-SLOPE	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
26	0338		ESU, completed maintenance on site unit, Departed MARCH 1997	JP
17	0015		ARRIVED SITE FOR completion of Floor for E/G	JP
	0120		STARTED pm on E/G	JP
	0145		Completed AMU: Maint as per Code MS, MII : G 2	JP
	0146		Depart Site April 1997	JP
3	0201		Arrived site to change Radiator on E/G	JP
	0105		Completed Radiator change on E/G	JP
	0109		Started monthly maintenance on E/G	JP
	0215		Completed Monthly as per code MS, MII	JP
	0216		Depart Site	JP
3/10	2200	62	G/S RTS for MKI-f mod coord w/HNL FSS (LV) & LOCAL ATCT (DELAYED ENTRY 4/4 @ 0320)	JP
3/21	0815	51	GUM G/S CERTIFIED DELAYED ENTRY @ 0321/4A)	JP
	0816		Completed AM MAINT TAW 6750.49	JP
	0845		GUM G/S RTS (DELAYED ENTRY ON 4/4 @ 0321)	JP
4	0310		ARR FAC w/ET (TB) (AM)	JP
	0325		DEP FAC w/ET (TB) (AM)	JP
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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FACILITY MAINTENANCE LOG			STATION AGANA GUAM	MONTH AND YEAR APRIL 1997
			SUBJECT OF LOG GUM G/S	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
7/23	2155		Arrive Site with (DP)	DP
	1952 2112	89	GUM G/S reported o/s by ATCT (JS) (delayed entry @ 2225 on 4/23)	DP
	2218		Restored G/S after E-quake, Found comm power o/s - site running on EG, removed short from main Xmitter OSC - all readings normal	DP
	2220	51	GUM G/S certified	DP
	2229		GUM G/S PTS coord w/ATCT (JS)	DP
	2230		DEP fac w/ET (JB)	DP
			May 1997	
09	0510 0440		Arrived site with RMC1 to take AC conduct a lead paint survey.	AC
	0530		all departing site.	AC
15	0350		ARR FAC FOR monthly maint.	DP
	0400		COORD W/ATCT (JS) TO TEST REMOTE ALARM	DP
	0412	51	GUM G/S certified	DP
	0413		ADVISED ATCT (JS) MAINT ON G/S completed	DP
	0415		DEPART FAC	DP
17	0018		Arrived site for Safety Inspection from Galo Curocho	JP
	0026		Reporting site w/ Galo Curocho	JP
			JUNE 1997	
2	2310		ARR FAC FOR MAINT	DP
3	0035		completed main TAW 6750.40	DP
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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FACILITY MAINTENANCE LOG			STATION AGANA GUAM	MONTH AND YEAR JUNE 1997
			SUBJECT OF LOG GUM G/S	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
3	0040	51	GUM G/S CERTIFIED	AD
	0050		DEP FAC	AD
			JULY 1997	
1	2115		ARR FAC FOR CLEAN-UP	AD
	2210		DEP FAC	AD
7	2200		GUM G/S OTS to REPLACE Bldg, COORD w/ATCT (MARTY) & MCC (TC)	AD
8	0345		COMPLETED EQUIP REMOVAL	AD
	0400		DEP FAC w/ET (RE)	AD
			Last entry this page	TC
			Where is JUCE's nice letter	TC
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN
8/8/97	AC M... ..		8/8/97	AC M... ..

Technical Performance Record

Capture Effect Glide Slope Monitor Reference Data

Identification GUM	Location AGANA	From 3/21/97	To	Supervisor's Signature
Equipment Number	Equipment Type	Reference Flight Inspection Date 3/21/97		

Date	Time	Alarms																Remarks	Initials			
		Wide		Narrow		Angle High				Angle Low				Dephasing						Atten.		
		* (265) Sideband Power (mW)	Monitor Width DDM	* (400) Sideband Power (mW)	Monitor Width DDM	Integral		Field		Integral		Field		Mid. Ant.		Upper Ant.				DB	DB	
						Carrier Feedline DDM	Monitor Path DDM	Advance Degrees	Retard Degrees	Advance Degrees	Retard Degrees			Upper Antenna Attenuation	Middle Antenna Attenuate							
		III	—	III	—	III	—	III	—	III	—	III	—	III	—	III	—	III	—	Operating Tolerance		
3/21/97	0755	400 213	165	270	.031/150	.019/150	—	—	.019/90	.031/90	—	—	19	19			3db	1db				
4/24	2215	215	165	270	.030/150	.019/150			.018/90	.030/90										AFTER E-QUAKE	AP	
6/3	0030	215	165	290	.031/150	.018/150			.018/90	.030/90										9	AP	

* Dual power and digital voltmeter readings are acceptable.
AFTER SLEP MOD

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321071

FACILITY MAINTENANCE LOG			STATION NIMITZ Hill GUAM	MONTH AND YEAR SEPTEMBER 1996
			SUBJECT OF LOG UNZ VOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
			CONTINUE FROM PG-1507250	
06	0145		DEPARTED SITE W/KB	JWP
11	2330		At site with M. Bergeron AWP-474 for environmental tech evaluation.	JWP
	2355		EIG ATS per ATC APPROVAL.	JWP
12	0420		ATC advised that EIG ATS.	JWP
	0421		Completed tech evaluation of environmental area. Departing with M. Bergeron.	JWP
14	0845		ARRIVED SITE TO INVESTIGATE VOR / TACK #2 reported OTS	JWP
	0913	51	TACAN CERTIFIED	JWP
	0914	51	VOR CERTIFIED	JWP
	0930		VOR / TACAN FAULT HISTORY SCREENS INDICATE NO FAULTS CERAP ATC BY ADVISED	JWP
14	0945		DEPARTED SITE CERAP "BY"	JWP
15	2330		ARRIVED SITE W/TM	JWP
	2340		MAM CERAP AT ADVISED	JWP
16	0036		COMM PWR INOP, STATION ON Eng Gen	JWP
	0130		COMPLETED REVIEW OF FAULT HISTORY SCREENS	JWP
16	0300	62	VOR NOTICED TO CHECK QNT CERAP AT "BY"	JWP
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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FACILITY MAINTENANCE LOG			STATION NIMITZ Hill GUAM	MONTH AND YEAR SEPTEMBER 1996
			SUBJECT OF LOG UNZ VOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
16	0400/	62	VOR NOTAMS CANCELLED CERAP	
	0430		ATC 'BY' ADVISED MKM JWP	
			TENTATIVE shutdown scheduled	
			VOR CERAP BY 09-16-2200Z TO	
			09-17-0200 TO REMOVE WATER	
			FROM ANT shelter	JWP
16	0445		DEPARTED SITE w/TECH Tim 473	JWP
16	2150		ARRIVED SITE w/TECH Tim 473	JWP
	/2200	62	VOR NOTAMED CERAP AT 'BY' JWP	
17	0030		REMOVED WATER FROM Antenna	
			PT AND INSTALLED Plastic	
			Umbrella over VOR Antenna	JWP
	0055	51	VOR CERTIFIED	JWP
	0125	51	TACK CERTIFIED	JWP
	0056	51	TACK CERTIFIED	JWP
17	0100	62	VOR NOTAMS CANCELLED CERAP 'OK'	JWP
17	0125		MKM CERAP ATC 'OK'	JWP
17	0130		DEPARTING SITE w/TECH Tim 473	JWP
18	0045		ARRIVED SITE CERAP ADVISED	JWP
19	0020		REVIEW SCREEN HISTORY	JWP
	0035	51	VOR CERTIFIED	JWP
	0040	51	TACAN CERTIFIED	JWP
19	0045		MKM CERAP 'B' ADVISED	JWP
19	0045		DEPARTING SITE	JWP
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

FACILITY MAINTENANCE LOG			STATION NIMITZ Hill Groom	MONTH AND YEAR September 1996
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
20	0210		ARRIVE SITE w/ET (RH). REFER RCLT LOG	MT
	0216		DEPART SITE w/ET (RH)	MT
23	0115		At site for environmental maint.	MT
	0400		Completed environ. maint. per codes M5, M11, A18, A19 & X5. Departing.	MT
	0500		VOR - Arrived site with HBS (MK) for site visit.	MC
	0502		VOR - MAM from ATC (DI).	AC
	0520		VOR - MAM to ATC (DI).	AC
	0525		VOR - all departing site.	MC
			October, 1996	
01	0130		At site to work on environmental sensors.	MT
	0135		Found a/c unit #1 inop., checking.	MT
	0310		A/C #1 operational.	MT
	0320		Cleared safety violation items 1 & 3 for inspection dated 8/14/96.	MT
	0500		Departing.	MT
			OCTOBER 1996	
3	2240		ARRIVED SITE	MT
	2300		CO-ORDINATED LOCAL CONTROL OF VOR AND TACAN MONITOR WITH CERAP.	MT
3	2330		TACAN MONITOR #2 DETECTOR LEVEL IS GREATER THAN 10 VOLTS. ADDED 2db (continued)	MT
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

FACILITY MAINTENANCE LOG			STATION NIMITZ HILL, GUAM	MONTH AND YEAR OCTOBER 1996
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
3	2330		(CONTINUED) OF ATTENUATION LEVEL NOW AT 8 VOLTS AS PER T16820.2, PARA 74.3.07 MK.	
	2355		TACAN COMPLETED TRENDS AND CERTIFICATION TESTS ON BOTH MONITORS CLEARED I; 13 SCREEN AND VERIFIED J PARAMETER ENTRIES FOR TACAN.	mk
	2356	51	TACAN CERTIFIED	mk
4	0015		RETURNED VOIR AND TACAN MONITORING TO CERAP	mk
	0020		DEPARTING SITE	mk
07	0515		Arrive site to borrow extension ladder	BE
	0530		Depart site.	BE
10	2135		At site with (L. RFAQUE) to continue work on environmental sensors.	2092
	2145		E/G RTS and assumed monitor for environmental sensor work, ATC approved.	2092
11	0406		Advised ATC E/G RTS and monitor.	2092
	0407		Completed clearing safety violation item 2 per inspection date 8/14/96 and restored remote E/G run option on environmental sensor cited during test EVAL dated 9/12/96 item 13 FY97 Tech. XLS.	2092
	0415		Departing.	2092
15	0342		Arrive site for RML MONTHLY MKC'S	BE
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

62104105

FACILITY MAINTENANCE LOG			STATION <i>Nimitz Hill, Guam</i>	MONTH AND YEAR <i>OCTOBER 1996</i>
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
15	0355		Depart site	BZ
17	2340		At site for environmental maint. Found AIC unit #1 inop, evaporator fan motor humming. Secured unit for checking.	UWZ
18	0025		Departing site to look for replacement motor.	UWZ
	0240		At site to work on AIC unit.	UWZ
	0415		Completed replacing fan motor on AIC unit #1. AIC operational. Departing.	UWZ
21	2140		VOR - At site. VOR reported ops. Confirmed by aircraft - Begin checks.	MA
	2145		VOR - Unable to log on IOT. screen blank. Contacting Hyters to have CCMM reset ^{RMCDM} FCPA. Checking this end also.	MA
22	0028		VOR - Re-set Batt. Reconnect sw on IAI unit. System on battery, checking.	MA
	0100		VOR - MK arrived site to assist.	MA
	0410		VOR - Replaced IAI A2 card in charger Power Supply ^{MA} Filter capacitors.	MA/MA
	0411		VOR - NOTE - Other personnel at site: RE & DM.	MA
	0455		VOR - Performed adjustments & cert-test on VOR/TACAN.	MA
		51	VOR - VOR certified.	MA
		51	TACAN - TACAN certified	MA
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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FACILITY MAINTENANCE LOG			STATION NIMITZ HILL GUAM	MONTH AND YEAR OCTOBER 1996
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
21	1751	80	Delayed entry; VOR/TACAN OTS - NOTAM issued by ATC at CERAP.	MA
22	0500		VOR/TACAN Returned to Service - Advised CERAP ATC. NOTAM cancelled.	MA
	0510		VOR - Returned monitor to CERAP ATC.	MA
	0515		VOR - Departing site; all personnel.	MA
29	0035		At site for environmental maint.	MA
	0315		Completed environmental maint. M5, M11, Q1, Q6 & X3. Departing.	MA
NOVEMBER 1996				
6	2315		VOR - At site. Typhoon embolition I. Checking site.	MA
	2330		VOR - Checked guy ropes for tresser - Appears secure - Departing site.	MA
8	0150		VOR - Arrived site for post typhoon check.	AC
	0155		VOR - Facility on E/G. VOR & TACAN normal. Return monitors to CERAP ATC.	AC
	0157		VOR - Departing site.	AC
	0725	85	VOR - At site for call out - VOR repaired OTS by ATC/CERAP maint. KKY; 600E	MA
	0830		VOR - Found door of antenna shelter blown off - Puddle of water on antenna. Removed water & tied down plastic.	MA
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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62104137

FACILITY MAINTENANCE LOG			STATION NIMITZ HLL G/L	MONTH AND YEAR NOVEMBER 1996
			SUBJECT OF LOG UNZ VOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
8	0830		VOR (Cont.) Performed cert test, ground check and observed status on "B" screen - no alarms.	AM
		51	VOR - VOR certified	AM
	0835		VOR - unable to contact ATC on radio - Sent message via computer - Departing site.	AM
9	0135		At site to check FIG.	AM
	0305		FIG status normal. Facility still on FIG due to down power lines. Departing	AM
	0400		At site to repair counterpane door.	AM
	0450		VOR - Arrived site with ESO (KB) to assist ESO (UF) in fabricating a door for the tower.	AC
	0505		VOR - m.m.m. for VOR from ATC (DR)	AC
	0610		VOR - Completed installation of a temporary door.	AC
	0616		VOR - m.m.m. of VOR & ^{TR} A Camp. ET (KR).	AC
	0640		VOR - All departing site.	
10	0120		At site to continue repair on door on the counterpane.	AM
10	0445		Completed repair on door and replaced obstruction light.	AM
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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FACILITY MAINTENANCE LOG			STATION NIMITZ HILL GUAM	MONTH AND YEAR November, 1996
DATE	TIME (24 HOURS)	CODE	SUBJECT OF LOG UNZ UOR	INITIALS
10	0450		Departing.	WJZ
12	0130		At site with relief tech R Baates to check E/G and to top diesel tank.	WJZ
	0300		Completed environmental maint per order M58M4	
	0330		Fuel truck at site.	WJZ
	0420		Completed receiving 1,119 gallons of fuel. Truck departed site.	WJZ
	0430		Facility still on E/G, no comm. power. Departing.	WJZ
20	0300		Arrived at site to change E/G oil. Found A/C by door iced up (evaporator) and other A/C off - I shut down 1st A/C for 20 min - ice thawed out, I adj. temp controller for 2nd A/C to come on sooner. Both A/C's working fine.	RFB
	0410		Completed oil change on E/G, started E/G run to test transfer function (OK KR)	RFB
	0430		Complete E/G test. E/G shut down everything normal.	RFB
	0440		Departing Site	RFB
26	0110		At site to work A/C unit, evaporator freezing up.	WJZ
26	0310		Completed drying and testing A/C unit. Departing.	WJZ
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

FACILITY MAINTENANCE LOG			STATION NIMITZ HILL GUAM	MONTH AND YEAR November 1996
			SUBJECT OF LOG UNZ VOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
26	1330		Arrive site with Doris Malinao.	agB
	0437		Arrive site w/RH for PM counts	BZ
	0445		Depart site	BZ
	1510		Res TACK - Reset monitor fault all normal. Informed Doug to monitor M1 when in control.	agB
	1515		Depart site with DM	agB
DECEMBER				
05	0315		Arrive site w/RH & RE for RCL	BZ
	0425		Depart site w/RH & RE.	BZ
11	0330		At site for environmental maint	agB
12	0602		Completed environmental maint. for cedar M58 M11. Departing.	agB
13	0222		ARR SITE w/ET(RH) FOR RCL MCK'S.	agB
13	0340		DEP SITE w/ET(RH).	agB
15	0320		Arrive site for RML MCK'S. Noted ENTRANCE GATE (MAIN) DAMAGED.	BZ
	0408		Depart site.	BZ
17	0441		Arrive site for RML MCK'S w/RH.	BZ
	0505		Depart site w/RH.	BZ
15	2352		Arrive site w/D.P for VOR spare parts inventory	DM
26	0055		Depart site w/D.P.	DM
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

FACILITY MAINTENANCE LOG			STATION NIMITZ Hill Guam	MONTH AND YEAR December 1996
			SUBJECT OF LOG UNZ VOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
12/20	0440		ARRIVED SITE PER CALL FROM SSC MGR (KR)	DP
	0450	85	FOUND VOR SHUT DOWN BECAUSE OF 2.15° ERROR ON MONITOR ANTENNA @ 315°, FOUND ANTENNA #13 & 15 NEAR ALARM. INSPECTION OF counterpoise indicated monitor ANTENNAS WERE pushed off Azimuth by high wind. ANTENNAS WERE aligned to normal position which gave good ground ch., but high wind misaligned monitor ANTENNAS AGAIN. EXEC monitor ANTENNA #4 REMAINED stable with proper indication on both BU1 & BU2 SCREEN AS WELL AS "F" SCREEN AFTER ALL gnd chs. J1V1 & J1V2 LINE #6 WERE CHANGED to "Ø" UNTIL MONITOR ANTENNAS CAN BE SECURED	
	0645	51	PUNZ VOR CERTIFIED	DD
	0646		PUNZ VOR RTS COORD WITH ATCT (DR)	DP
	0710		RAW SECOND CERT TEST to indicate stable operation	DP
	0715		DEPART SITE	DP
JANUARY 1997				
15	2100		Arrived site with ATM for maintenance.	MM
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

FACILITY MAINTENANCE LOG			STATION NIMITZ HILL, GUAM	MONTH AND YEAR JANUARY 1997
DATE	TIME (24 HOURS)	CODE	SUBJECT OF LOG 4NZ VOR	INITIALS
15	2100		(cont.) Also for familiarization -	MA
	2125		Completed inventory. Departing site. (ATM)	MA
20	2300		At site for environmental maint.	MA
21	0200		Completed env. maint. per codes M2, M5, M11, R6, S1, S10 & X3. Departing.	MA
23	0444		Arrive site w/RH for RCL work's	BZ
	0501		Depart site w/RH	BZ
February, 1997				
12	0200		ENV. At site for environmental maint.	MA
	0400		Completed maint. per codes M5 & M11. Departing.	MA
13	0314		ARRIVE SITE FOR RCL ADJUSTMENTS w/RH.	BZ
	0330		Depart site	BZ
FEBRUARY 1997				
18	0246		ARRIVE SITE PSM ALT. ADJMENT (RR)	RL
	0351		Depart site w/ KR	RL
20	0454		ARRIVE SITE w/ ET (RH, BZ). REFER RCLT LOG.	MT
	0500		DEPART SITE w/ ET'S	MT
26	0105		Arrive site with (DP)	MA
			Delivered Vortac door and access project for replacement.	
MARCH 1998				
5	2300		ARRIVE SITE w/ ET (Ky, RH). REFER RCLT LOG	MT
	2343		DEPART SITE w/ ET (Ky, RH)	MT
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

FACILITY MAINTENANCE LOG			STATION NIMITZ HILL, GUAM	MONTH AND YEAR MARCH 1997
			SUBJECT OF LOG DNZ VOZL	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
14	0205		ARRIVE SITE, SEE RCL LOG	LR
			DEPART SITE W/NRAD	LR
16	0340		ARRIVE W/RH TO RECEIVE selective voltmeter.	BZ
	0350		DEPART site w/RH.	BZ
19	2300		ENV: At site for environmental maint.	WJZ
20	0100		ENV: Completed maint per code M5 & M11. Departing	WJZ
APRIL				
21	0127		ARR FAC W/ET (MA)	AP
	0130		RESET FCPU; COORD W/GUAM (RSP) (KR)	
			EQUIP INDICATIONS RETURNED TO NORMAL	AP
	0135		DEP FAC W/ET (MA)	AP
03	0400		ARRIVE SITE W/ET (BZ) FOR RCL MLK'S	RH
	0420		DEPART SITE W/ET (BZ)	RH
3 21	2320		At site for information on Tacan ACU	
	2340		space availability	MA
	2340		Obtained info - Departing site -	MA
14	0215		ENV: At site for maint. and verify mod.	
			perform on environ. sensors.	WJZ
	0220		ENV: Starting maint.	WJZ
	0440		ENV: Completed env. maint. per code M5, M11	
			Q2 & Q6. Departing.	WJZ
	2330		ENV: At site to continue environ. maint.	
15	0045		ENV: Completed maint. per code X3. Departing.	WJZ
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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FACILITY MAINTENANCE LOG			STATION NIMITZ HILL, GUAM	MONTH AND YEAR APR APRIL 1997
			SUBJECT OF LOG UNZ UOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
16	0330		ENU: At site to seal bldg for impending typhoon.	UNZ
	0400		ENU: Completed sealing doors to Equip. room and ELG. Departing.	UNZ
17	0256		ARRIVE site to check VORTAC. VORTAC ON island PWR.	AM
	0300		Depart site.	AM
18	0030		ENU: At site to check facility. Found site on ELG noticed high voltage cutout at entrance to site open.	UNZ
	0105		Completed checking operation of ELG and facility. Departing to call GFA on NAVY dispatch.	UNZ
22	2230		ON SITE TO CHECK FACILITY. SITE ON ELG DUE TO NO COMMERCIAL POWER CAUSED BY EARTHQUAKE	LA
	2300		DEPART SITE.	LA
24	22 2230		ARRIVE site to switch BPM TO CHANNEL 'B'	BZ
	2335		Depart site.	BZ
MAY 1997				
08	0150		ARRIVE site w/KY FOR RCL.	BZ
	0240		Depart. site w/Ky.	BZ
19	0000		At site for oversee maint. and to oversee installation of AIC unit by carrier.	UNZ
19	0010		Starting maint.	UNZ
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

FACILITY MAINTENANCE LOG			STATION NIMITZ HILL, GUAM	MONTH AND YEAR May, 1997
			SUBJECT OF LOG UNZ VOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
19	0140		Completed environ. maint. per codes M5 & M11.	2072
	0630		Departing site with A/C contractor.	2072
	2130		At site to continue electrical installation for A/C units.	2072
20	0245		Departing.	2072
22	2130		ENV: At site to wait for A/C tech to mod. units for manual control.	2072
	2250		Carrier A/C tech at site.	2072
23	0200		ENV: A/C installation completed. Departing.	2072
23	2330		ARRIVE SITE FOR RMC MCA'S LOT (B2)	217
	2340		DEPART SITE W/OT (B2)	217
June				
2	0320		Arrive site	228
	0345		UNZ VOR - Reset monitor 2 of FCPU. Remote logon was confirmed by (DP).	228
	0421		Completed installation & ops ck of new printer.	228
	0425		Depart site	228
10	2200		ENV: At site for environ. maint. Starting.	2072
11	0030		ENV: Completed maint per codes M5 & M11.	
			Departing	2072
12	0335		Arrived site w/ Galo Comacho for Safety Inspection	228
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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FACILITY MAINTENANCE LOG			STATION Nimitz Hill, Guam	MONTH AND YEAR June 1997
			SUBJECT OF LOG UNZ VOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
12	0350		Completed Safety Inspection	JP
	0355		Depart site w/ Galo Camacho	JD
14	0040		ARRIVE SITE FOR RML MCK'S	RA
	0100		DEPART SITE	RA
20	0230		Arrive site	AR
	0340		Processing and updating PM schedules (Draft)	AB
	0345		Depart site	AB
24	0430		ARRIVE SITE TO CHECK VORTAC BEFORE FLIGHT INS.	RE
	0455		DEPART SITE	RE
25	2300		ARRIVE SITE TO MONITOR DURING FLIGHTCHK	RE
26	0200		VOR - N-94 Azim Ident weak.	AC
	0330		VOR - Departed Site to get scope.	
	0430		VOR - Arrived site with scope for adjusting ident.	AC
	0435		VOR - ATC ^{AC} mmm on VORTAC-ATC (FR)	
	0440		VOR - Unable to get shutdown on VOR to adjust Ident, from ATC (FR). Will reschedule for tomorrow.	AC
	0504		VOR - Return VORTAC Monitor to ATC (FR).	AC
	0505		VOR - All departing site -	AC
26	2300	62	VOR - ARRIVED SITE VOR SITUATION ^{OTS} APPROVED BY ATC (DR) FOR IDENT MOD. ADJUST	RE
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

FACILITY MAINTENANCE LOG			STATION NIMITZ Hill Guam	MONTH AND YEAR JUNE 1997
			SUBJECT OF LOG UNZ VOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INI- TIALS
26	2355	51	VOR CERTIFIED	AC
	2356		VOR - RTS CERAP ATC (PR)	AC
27	0102		DEPARTING SITE	RE
27	0140		ARRIVE SITE	RE
	0215		DEPART SITE	RE
July				
9	0145		Arrive site with (RE)	agB
	0530		Depart	
	0520		(RE) TACK - Conducted OJT with (RE)	agB
	0530		Depart Site	agB
4	2330		ARRIVE SITE with (agB)	RE
9	2341	69	TACK - OTS (AT) ER	agB
10	0200 23		TACK - complete TAC Cert exam (OJT) with exception of peak power CK & Ant speed controls	agB
10	0205		TACK - RTS (AT) DR	agB
	0210		Depart Site	agB
	0408		Arrive site with (RE)	agB
	0500		Depart Site	agB
10	2300		Arrive site with (RE)	agB
11	0000		VOR - OTS ATC (DR) TO conduct OJT w/agB	RE
11	0100		VOR - RTS ATC (DR)	RE
	0105		VOR - COMPLETED QUART./SA MCKS 1AW	
			6820.7B PAR 146a & b	agB
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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#210117

FACILITY MAINTENANCE LOG			STATION NIMITZ Hill GUAM	MONTH AND YEAR JULY 1997
			SUBJECT OF LOG UN7 VOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
11	0355		DEPART SITE	RE
12	0311		ARRIVE SITE FOR LINE PM'S.	RE
	0327		DEPART SITE.	RE
13	2325		VOR - Arrived site with PMT group for site survey on typhoon recovery project.	
	2330		VOR - MAM VOR from ATC (AO).	AC
14	0014		VOR - MAM to ATC (BS).	AC
	0020		VOR - All departing site.	AC
16	0010		VOR - TAKING VOR MON. CONFIRMED WITH ATC (FR) FOR CONTRACTOR SURVEY	RE
				RE
16	0055		VOR - VOR MONITOR RETURN TO ATC (BS)	RE
	0100		DEPART SITE	RE
28	0350		ARRIVE SITE W TECH MA	RE
	0355		TACK - TAKING TAC MON. TO CHANGE WINDING LAMPS ON BOOM, CONFIRMED W/ ATC (AD)	MA
	0415		TACK - CHANGE LAMPS COMPLETED RETURN TAC MON TO ATC (KR)	MA
	0420		DEPART SITE W/ AF MA	RE
30	2230		ESC, Arrived at site for schedule PM	AP
31	0035		ESC, completed ENV. PMT	AP
31	0050		Completed site, Vint, Departed	AP
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNER		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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02101117

FACILITY MAINTENANCE LOG			STATION NIMITZ HILL, GUAM	MONTH AND YEAR July, 1997
			SUBJECT OF LOG UNZ VOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
31	2230		At site to continue cur. maint. Station	
	2355		Completed remaining cur. maint. Departing	
	0005		August 1997	
06	0008		Arrived site with ET (DP) for facility evaluation due to an aircraft accident involving a Korean 747 flt 501.	AC
			(DELAYED ENTRY; 8/7 VOR; TACR	
			OTS, AD2D MCC () issue NOTAM due to presence of heavy equipment on counterpane of helicopter landing & taking off on the counterpane.	AC
	0030		VOR - Unable to take part accident readings due to personnel & heavy equipment on counterpane.	AC
	0035		VOR - All departing site to check NAB.	AC
	0115		VOR - Arrived site with ET (DP, MA, AM) & 5B for part accident evaluation.	AC
	0735		DEP FAC w/ET (IB), Personnel & heavy equip. REFUSE to MOVE RESERVE OPERATION FROM CRITICAL AREA of VORTAC, unable to return site to normal operations.	DP
6	2210		ARR FAC w/ET (RE)	DP
	2211		Site inspection of ANTENNA AREA INDICATES (cont) of	
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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62104117

FACILITY MAINTENANCE LOG			STATION Nimitz Hill, Guam	MONTH AND YEAR August 1997
			SUBJECT OF LOG UNZ VOR	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
6	2211		(cont) RESCUE units have begun to remove equip. - VORTAC RESTORATION in PROGRESS	DP
	2253		VOR - Annul site with HP SMO ASM G. Daniel et TSV (Ajbasanid)	IAE
6	0318		START FLIGHT CK W/N-94, FLT. CK OBSERVED by (AC)(GD)(WA)(RE)	DP
	0500		FLT. CHECK COMPLETED, will RETURN UNZ TACR, VOR to SERVICE when NOTIFIED of SAT. RESULTS by N-94	DP
	0615		NOTIFIED by ET(AM) that N-94 APPROVED UNZ RTS - FLT. CK. RESULTS SAT.	DP
	0616		BEGIN CERT. TEST PER 8020.11/6820.7	DP
	0630	51	UNZ TACAN CERTIFIED IAW 6820.7	DP
	0635	51	UNZ VOR CERTIFIED IAW 6820.7	DP
	0638		GUAM RADAR SUPERVISOR (KR) NOTIFIED THAT UNZ VORTAC CERTIFIED AND RTS. KR ADVISED HE WOULD COORD RTS WITH ATCT AND HNL MCC	DP
	0659		COMPLETED SCREEN PRINTS IAW 8020.11	DP
	06 DP 0711		ADVISED AGAMA ATCT (Gill) OF HELO FLYING AT LESS THAN 500' OF UNZ VORTAC ANTENNA	DP
	0715		DEP FAC W/ET (RE)	DP
7	0714		LAST ENTRY THIS PAGE	DP
DATE		SIGNATURE OF SECTOR MANAGER/DESIGNEE		SIGNATURE OF MAINTENANCE TECHNICIAN
				Aug 7, 1997 Daniel

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PUNZ [VTDM] 97/08/01 19:26:07 BATT
PUNZ [V**M] 97/08/01 20:02:19
PUNZ [VTDM] 97/08/01 20:02:29
PUNZ [*TDM] 97/08/05 18:48:34
PUNZ - VDR Auto Reset #1
PUNZ [VTDM] 97/08/05 18:49:02
PUNZ [*TDM] 97/08/05 20:25:45
PUNZ - VDR Auto Reset #1
PUNZ [VTDM] 97/08/05 20:26:17
PUNZ [*TDM] 97/08/05 22:59:53
PUNZ - VDR Auto Reset #1
PUNZ [VTDM] 97/08/05 23:00:22
PUNZ [VTD*] 97/08/05 23:00:23 *SVDR
PUNZ [*TD*] 97/08/05 23:02:37
PUNZ [*TDM] 97/08/05 23:02:38 SVDR
PUNZ - VDR Auto Reset #2
PUNZ [VTDM] 97/08/05 23:03:12
PUNZ [*TDM] 97/08/05 23:09:28
PUNZ - VDR Auto Reset #3
PUNZ [VTDM] 97/08/05 23:14:39
PUNZ [VTD*] 97/08/05 23:14:40 *SVDR
PUNZ [*TD*] 97/08/05 23:17:22
PUNZ [*TDM] 97/08/05 23:17:23 SVDR
PUNZ - VDR Auto Reset #1
PUNZ [VTDM] 97/08/05 23:17:50
PUNZ [*TIM] 97/08/05 23:55:02
PUNZ - VDR Auto Reset #1
PUNZ [VTDM] 97/08/05 23:55:30
PUNZ [VTD*] 97/08/05 23:55:31 *SVDR
PUNZ [*TD*] 97/08/06 00:03:44
PUNZ [*TDM] 97/08/06 00:03:45 SVDR
PUNZ - VDR Auto Reset #2

UNZ [*TDM] 97/08/06 00:05:45

UNZ - VDR Auto Reset Off

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TRANS CERT DATA FUNZ

FILED 97/08/06 00:24:28
STATE: TAC/CDA/C/N

AC/DME MON1	LOW	DATA	HIGH	
EPLY DELAY	49.1	49.4	49.5	USEC
PULSE SPACING	11.8	11.9	12.2	USEC
CVR SENS	91	99		DBM(-)
QUITTER	2610	2642	2790	PPFS
POWER OUT	2500	3523		WATTS
ECODES 11/35 USEC	70	84		%
ECODES 13/37 USEC	70	90		%
IDENT		UNZ		
5 HZ AZ ANGLE	112.5	116.4	120.5	DEG
35 HZ AZ ANGLE	112.5	113.5	114.5	DEG

UNZ [***M] 97/08/06 00:50:30

LOGGED OFF

UNZ [+++M] 97/08/06 04:18:10 OPERATOR ACKNOWLEDGED

UNZ [++++*] 97/08/06 22:32:39 *TINT

UNZ [+++M] 97/08/06 22:42:57 TINT

GROUND CHECK DATA FUNZ

FILED 97/08/06 23:53:33

OR MON1	AZIMUTH	ERROR	AZIMUTH	ERROR
	0.00	-1.19	22.50	-1.35
	45.00	-1.00	67.50	-1.07
	90.00	-1.59	112.50	-.99
	135.00	-.48	157.50	-.58
	180.00	-1.17	202.50	-1.52
	225.00	-1.49	247.50	-.58
	270.00	-.65	292.50	-.96
	315.00	-1.18	337.50	-1.04

QUADRANTAL ERROR	AMPL	.08	DEG
	PHASE	241.2	DEG
QUADRANTAL ERROR	AMPL	.20	DEG
	PHASE	206.6	DEG
QUADRANTAL ERROR	AMPL	.20	DEG
	PHASE	196.2	DEG
INDEX		-1.06	DEG

GROUND CHECK DATA FUNZ

FILED 97/08/06 23:57:20

OR MON1	AZIMUTH	ERROR	AZIMUTH	ERROR
	0.00	-1.15	22.50	-1.23
	45.00	-.75	67.50	-1.19
	90.00	-1.66	112.50	-1.07
	135.00	-.68	157.50	-.71
	180.00	-1.08	202.50	-1.73
	225.00	-1.61	247.50	-.76
	270.00	-.89	292.50	-.91
	315.00	-1.13	337.50	-1.00

QUADRANTAL ERROR	AMPL	.04	DEG
	PHASE	105.6	DEG
QUADRANTAL ERROR	AMPL	.17	DEG
	PHASE	17	DEG

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PHASE	188.2	DEG
STANTAL ERROR	AMPL	.17 DEG
PHASE	205.5	DEG
INDEX	-1.10	DEG

11 T A C / D M E	T R E N D	PUNZ
ON1		
EPLY DELAY CONTROL	21.6	
EPLY EFF	82	%
CVR SENS CONTROL	0	
OWER OUT	3498	WATTS
XCITER LEVEL	2.03	
JLSE RISE TIME	2.6	USEC
JLSE DECAY TIME	2.6	USEC
JLSE WIDTH	4.0	USEC
0V PWR SUPPLY	49.92	VOLTS
5V PWR SUPPLY	35.94	VOLTS
0V PWR SUPPLY	30.68	VOLTS
V PWR SUPPLY	4.98	VOLTS
MAILED TRANSISTORS	0	

FILED 97/08/07 00:34:16
STATE: TAC/CDA/C/N

1 V O R	T R E N D	PUNZ
CARRIER POWER	109.2	WATTS
SB1 POWER	2.41	WATTS
SB2 POWER	2.40	WATTS
TRANS AMPL CONTROL	2.14	VOLTS
ONIO AMPL CONTROL	2.80	VOLTS
0 HZ FREQ	29.99	HZ
PHASE CORR MON1	.58	DEG
PHASE CORR MON2	1.80	DEG
0 BUS VOLTAGE	40.13	VOLTS
0PS CURRENT	40.62	AMPS
3V PWR SUPPLY	27.91	VOLTS
5V PWR SUPPLY	14.96	VOLTS
15V PWR SUPPLY	-15.03	VOLTS
0.5V PWR SUPPLY	10.49	VOLTS
3V PWR SUPPLY	53.54	VOLTS

FILED 97/08/07 00:35:03

CARRIER VSWR	1.00
SB1 VSWR	1.00
SB2 VSWR	1.00
TRANS PHASE CONTROL	4.75 VOLTS
ONIO PHASE CONTROL	4.40 VOLTS

I1 V O R T R E N D FUNZ

FILED 97/08/07 00:35:03

CARRIER POWER	109.2	WATTS	CARRIER VSWR	1.00
SB1 POWER	2.41	WATTS	SB1 VSWR	1.00
SB2 POWER	2.40	WATTS	SB2 VSWR	1.00
TRANS AMPL CONTROL	2.14	VOLTS	TRANS PHASE CONTROL	4.75 VOLTS
GONIO AMPL CONTROL	2.80	VOLTS	GONIO PHASE CONTROL	4.40 VOLTS
30 HZ FREQ	29.99	HZ		
PHASE CORR MON1	.58	DEG		
PHASE CORR MON2	1.80	DEG		
DC BUS VOLTAGE	40.13	VOLTS		
BCPS CURRENT	40.62	AMPS		
28V PWR SUPPLY	27.91	VOLTS		
15V PWR SUPPLY	14.96	VOLTS		
-15V PWR SUPPLY	-15.03	VOLTS		
10.5V PWR SUPPLY	10.49	VOLTS		
48V PWR SUPPLY	53.54	VOLTS		

I11 T A C / D M E T R E N D FUNZ
MON1

FILED 97/08/07 00:34:16
STATE: TAC/CDA/C/N

REPLY DELAY CONTROL	21.6	
REPLY EFF	82	%
RCVR SENS CONTROL	0	
POWER OUT	3498	WATTS
EXCITER LEVEL	2.03	
PULSE RISE TIME	2.6	USEC
PULSE DECAY TIME	2.6	USEC
PULSE WIDTH	4.0	USEC
50V PWR SUPPLY	49.92	VOLTS
35V PWR SUPPLY	35.94	VOLTS
30V PWR SUPPLY	30.68	VOLTS
5V PWR SUPPLY	4.98	VOLTS
FAILED TRANSISTORS	0	

B M O N I T O R E X E C D A T A FUNZ
VOR MON1

FILED 97/08/07 00:42:05

	LOW	DATA	HIGH	
EXEC ANGLE	87.50	88.35	89.50	DEG
30 HZ MOD	28.0	30.2	32.0	%
9960 HZ MOD	28.0	29.8	32.0	%
9960 HZ DEV	15.0	15.9	17.0	RATIO
FIELD INTENSITY	28.5	31.0	33.5	DB
IDENT		*BAD		
16 FT MON STATUS		0000		

B M O N I T O R E X E C D A T A FUNZ
VOR MON2

FILED 97/08/07 00:42:30

	LOW	DATA	HIGH	
EXEC ANGLE	87.50	88.28	89.50	DEG
30 HZ MOD	28.0	30.1	32.0	%
9960 HZ MOD	28.0	29.8	32.0	%
9960 HZ DEV	15.0	15.9	17.0	RATIO
FIELD INTENSITY	28.5	31.0	33.5	DB
IDENT		*BAD		
16 FT MON STATUS		0000		

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B M O N I T O R E X E C D A T A FUNZ
TAC DME MON1

FILED 97/08/07 00:42:58
STATE: TAC/CDA/C/N

PULSE SPACING	11.6	11.9	12.4	USEC
REPLY EFF	70	86		%
SQUITTER	2580	2643	2820	PPFS
POWER OUT	2500	3528		WATTS
RADIATED PWR	2500	2796		WATTS
IDENT	1340	*0	1360	HZ
15 HZ AZ ANGLE	112.5	115.7	120.5	DEG
135 HZ AZ ANGLE	112.5	113.6	114.5	DEG
NORTH COUNT	24	24	24	PULSES
NORTH DURATION	131.0	131.9	133.0	USEC
AUX COUNT	12	12	12	PULSES
AUX DURATION	131.0	131.9	133.0	USEC
AUX GROUPS	8	8	8	GROUPS
ROTATION PERIOD	66.55	66.67	66.77	MSEC

B M O N I T O R E X E C D A T A P U N Z
TAC/DME MON2

FILED 97/08/07 00:43:50
STATE: TAC/CDA/R/N

	LOW	DATA	HIGH	
REPLY DELAY	48.7	49.3	49.9	USEC
PULSE SPACING	11.6	11.9	12.4	USEC
REPLY EFF	70	88		%
SQUITTER	2580	2648	2820	PPFS
POWER OUT	2500	3527		WATTS
RADIATED PWR	2500	4511		WATTS
IDENT	1340	*0	1360	HZ
15 HZ AZ ANGLE	112.5	115.9	120.5	DEG
135 HZ AZ ANGLE	112.5	113.4	114.5	DEG
NORTH COUNT	24	24	24	PULSES
NORTH DURATION	131.0	131.9	133.0	USEC
AUX COUNT	12	12	12	PULSES
AUX DURATION	131.0	131.8	133.0	USEC
AUX GROUPS	8	8	8	GROUPS
ROTATION PERIOD	66.55	66.68	66.77	MSEC

F G R O U N D C H E C K D A T A P U N Z
VOR MON1

FILED 97/08/06 23:57:20

AZIMUTH	ERROR	AZIMUTH	ERROR
0.00	-1.15	22.50	-1.23
45.00	-.75	67.50	-1.19
90.00	-1.66	112.50	-1.07
135.00	-.68	157.50	-.71
180.00	-1.08	202.50	-1.73
225.00	-1.61	247.50	-.76
270.00	-.89	292.50	-.91
315.00	-1.13	337.50	-1.00

QUADRANTAL ERROR	AMPL	.04	DEG
	PHASE	105.6	DEG
QUADRANTAL ERROR	AMPL	.17	DEG
	PHASE	188.2	DEG
OCTANTAL ERROR	AMPL	.17	DEG
	PHASE	205.5	DEG
INDEX		-1.10	DEG

PUNZ [++++*] 97/08/07 00:59:20 *TINT
PUNZ [++++M] 97/08/07 00:59:41 TINT
PUNZ [++++*] 97/08/07 01:10:21 *TINT
PUNZ [++++M] 97/08/07 01:11:23 TINT
PUNZ [V++M] 97/08/07 04:01:31
PUNZ [V++M] 97/08/07 04:01:36

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PUNZ [VTD*] 97/08/07 04:01:39 *STAC

PUNZ [VTDM] 97/08/07 04:01:40 STAC

PUNZ [*TDM] 97/08/07 05:07:21

PUNZ [***M] 97/08/07 05:07:23

B M O N I T O R E X E C D A T A P U N Z
TAC/DME MON1

FILED 97/08/07 05:17:15
STATE: TAC/CDA/R/N

	LOW	DATA	HIGH	
REPLY DELAY	48.7	49.4	49.9	USEC
PULSE SPACING	11.6	11.9	12.4	USEC
REPLY EFF	70	86		%
SQUITTER	2580	2658	2820	PPFS
POWER OUT	2500	3596		WATTS
RADIATED PWR	2500	3510		WATTS
IDENT	1340	1345	1360	HZ
15 HZ AZ ANGLE	112.5	116.8	120.5	DEG
135 HZ AZ ANGLE	112.5	113.5	114.5	DEG
NORTH COUNT	24	24	24	PULSES
NORTH DURATION	131.0	131.9	133.0	USEC
AUX COUNT	12	12	12	PULSES
AUX DURATION	131.0	131.9	133.0	USEC
AUX GROUPS	8	8	8	GROUPS
ROTATION PERIOD	66.55	66.67	66.77	MSEC

B M O N I T O R E X E C D A T A P U N Z
TAC/DME MON2

FILED 97/08/07 05:18:21
STATE: TAC/CDA/C/N

	LOW	DATA	HIGH	
REPLY DELAY	48.7	49.4	49.9	USEC
PULSE SPACING	11.6	11.9	12.4	USEC
REPLY EFF	70	87		%
SQUITTER	2580	2627	2820	PPFS
POWER OUT	2500	3558		WATTS
RADIATED PWR	2500	3284		WATTS
IDENT	1340	1344	1360	HZ
15 HZ AZ ANGLE	112.5	116.1	120.5	DEG
135 HZ AZ ANGLE	112.5	113.5	114.5	DEG
NORTH COUNT	24	24	24	PULSES
NORTH DURATION	131.0	131.9	133.0	USEC
AUX COUNT	12	12	12	PULSES
AUX DURATION	131.0	131.8	133.0	USEC
AUX GROUPS	8	8	8	GROUPS
ROTATION PERIOD	66.55	66.68	66.77	MSEC

B M O N I T O R E X E C D A T A P U N Z
VOR MON1

FILED 97/08/07 05:19:12

	LOW	DATA	HIGH	
EXEC ANGLE	87.50	88.40	89.50	DEG
30 HZ MOD	28.0	30.1	32.0	%
9960 HZ MOD	28.0	29.8	32.0	%
9960 HZ DEV	15.0	15.9	17.0	RATIO
FIELD INTENSITY	28.5	31.1	33.5	DB
IDENT		*BAD		
16 FT MON STATUS		0000		

B M O N I T O R E X E C D A T A P U N Z
VOR MON2

FILED 97/08/07 05:19:38

	LOW	DATA	HIGH	
EXEC ANGLE	87.50	88.39	89.50	DEG
30 HZ MOD	28.0	30.1	32.0	%
9960 HZ MOD	28.0	29.7	32.0	%
9960 HZ DEV	15.0	15.9	17.0	RATIO
FIELD INTENSITY	28.5	31.1	33.5	DB

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16 PT MON STATUS

0000

PUNZ [V**M] 97/08/07 06:19:13

PUNZ [VTDM] 97/08/07 06:19:20

D M O N I T O R		C E R T		D A T A		P U N Z		F I L E D 97/08/07 06:20:46	
TAC/DME MON2		L O W L I M I T				H I G H L I M I T			
REPLY DELAY	A	48.5	N	48.9	A	50.1	N	49.7	USEC
PULSE SPACING	A	11.4	N	11.8	A	12.6	N	12.2	USEC
RCVR SENS	A	101	N	98					DBM(-)
REPLY EFF	A	60	N	75					%
DME SQUITTER	A	*0	N	*0					PPFS
DME POWER OUT	A	*0	N	*0					WATTS
DME RADIATED PWR	A	*0	N	*0					WATTS
IDENT	A	1335	N	1345	A	1365	N	1355	HZ
TACAN SQUITTER	A	2550	N	2610	A	2850	N	2790	PPFS
TACAN POWER OUT	A	2375	N	2625					WATTS
TACAN RADIATED PWR	A	2375	N	2625					WATTS
15 HZ AZ ANGLE	A	111.0	N	114.0	A	122.0	N	119.0	DEG
135 HZ AZ ANGLE	A	112.1	N	112.9	A	114.9	N	114.1	DEG
NORTH COUNT		GOOD		GOOD					
NORTH DURATION		GOOD		GOOD					
AUX COUNT		GOOD		GOOD					
AUX DURATION		GOOD		GOOD					
AUX GROUPS		GOOD		GOOD					

D M O N I T O R		C E R T		D A T A		P U N Z		F I L E D 97/08/07 06:24:01	
VOR MON1		L O W L I M I T				H I G H L I M I T			
EXEC ANGLE	A	87.40	N	87.60	A	89.60	N	89.40	DEG
30 HZ MOD	A	27.0	N	29.0	A	33.0	N	31.0	%
9960 HZ MOD	A	27.0	N	29.0	A	33.0	N	31.0	%
9960 HZ DEV	A	14.8	N	15.2	A	17.2	N	16.8	RATIO

PUNZ [V**M] 97/08/07 06:28:04

PUNZ [VTDM] 97/08/07 06:28:11

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D M O N I T O R C E R T D A T A P U N Z FILED 97/08/07 06:30:20

		LOW LIMIT		HIGH LIMIT		
TAC/DME MON1						
REPLY DELAY	A	48.5	N 48.9	A 50.1	N 49.7	USEC
PULSE SPACING	A	11.4	N 11.8	A 12.6	N 12.2	USEC
RCVR SENS	A	100	N 97			DBM(-)
REPLY EFF	A	60	N 75			%
DME SQUITTER	A	*0	N *0			PPFS
DME POWER OUT	A	*0	N *0			WATTS
DME RADIATED PWR	A	*0	N *0			WATTS
IDENT	A	1335	N 1345	A 1365	N 1355	HZ
TACAN SQUITTER	A	2550	N 2610	A 2850	N 2790	PPFS
TACAN POWER OUT	A	2375	N 2625			WATTS
TACAN RADIATED PWR	A	2375	N 2625			WATTS
15 HZ AZ ANGLE	A	111.0	N 114.0	A 122.0	N 119.0	DEG
135 HZ AZ ANGLE	A	112.1	N 112.9	A 114.9	N 114.1	DEG
NORTH COUNT		GOOD	GOOD			
NORTH DURATION		GOOD	GOOD			
AUX COUNT		GOOD	GOOD			
AUX DURATION		GOOD	GOOD			
AUX GROUPS		GOOD	GOOD			

D M O N I T O R C E R T D A T A P U N Z FILED 97/08/07 06:30:20

		LOW LIMIT		HIGH LIMIT		
TAC/DME MON2						
REPLY DELAY	A	48.5	N 48.9	A 50.1	N 49.7	USEC
PULSE SPACING	A	11.4	N 11.8	A 12.6	N 12.2	USEC
RCVR SENS	A	102	N 99			DBM(-)
REPLY EFF	A	60	N 75			%
DME SQUITTER	A	*0	N *0			PPFS
DME POWER OUT	A	*0	N *0			WATTS
DME RADIATED PWR	A	*0	N *0			WATTS
IDENT	A	1335	N 1345	A 1365	N 1355	HZ
TACAN SQUITTER	A	2550	N 2610	A 2850	N 2790	PPFS
TACAN POWER OUT	A	2375	N 2625			WATTS
TACAN RADIATED PWR	A	2375	N 2625			WATTS
15 HZ AZ ANGLE	A	111.0	N 114.0	A 122.0	N 119.0	DEG
135 HZ AZ ANGLE	A	112.1	N 112.9	A 114.9	N 114.1	DEG
NORTH COUNT		GOOD	GOOD			
NORTH DURATION		GOOD	GOOD			
AUX COUNT		GOOD	GOOD			
AUX DURATION		GOOD	GOOD			
AUX GROUPS		GOOD	GOOD			

D M O N I T O R C E R T D A T A P U N Z FILED 97/08/07 06:33:19

		LOW LIMIT		HIGH LIMIT		
VOR MON1						
EXEC ANGLE	A	87.40	N 87.60	A 89.60	N 89.40	DEG
30 HZ MOD	A	27.0	N 29.0	A 33.0	N 31.0	%
9960 HZ MOD	A	27.0	N 29.0	A 33.0	N 31.0	%
9960 HZ DEV	A	14.8	N 15.2	A 17.2	N 16.8	RATIO

D M O N I T O R C E R T D A T A P U N Z FILED 97/08/07 06:35:51

		LOW LIMIT		HIGH LIMIT		
VOR MON2						
EXEC ANGLE	A	87.40	N 87.60	A 89.60	N 89.40	DEG
30 HZ MOD	A	27.0	N 29.0	A 33.0	N 31.0	%
9960 HZ MOD	A	27.0	N 29.0	A 33.0	N 31.0	%
9960 HZ DEV	A	14.8	N 15.2	A 17.2	N 16.8	RATIO

E T R A N S C E R T D A T A P U N Z FILED 97/08/07 06:35:57

		LOW	DATA	HIGH	
VOR MON2					
EXEC ANGLE		87.50	88.38	89.50	DEG

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9960 HZ MOD	26.0	29.8	32.0	%
9960 HZ DEV	15.4	15.9	16.6	RATIO
POWER OUT	80	109	120	WATTS
IDENT MOD	4.0	4.9	6.0	%
AURAL MOD	28.0	29.2	32.0	%
IDENT		UNZ		

E T R A N S C E R T D A T A P U N Z
TAC/DME MON1

FILED 97/08/07 06:30:20
STATE: TAC/CDA/C/N

	LOW	DATA	HIGH	
REPLY DELAY	49.1	49.2	49.5	USEC
PULSE SPACING	11.8	11.9	12.2	USEC
RCVR SENS	91	98		DBM(-)
SQUITTER	2610	2658	2790	PPPS
POWER OUT	2500	3523		WATTS
DECODES 11/35 USEC	70	83		%
DECODES 13/37 USEC	70	83		%
IDENT		UNZ		
15 HZ AZ ANGLE	112.5	115.9	120.5	DEG
135 HZ AZ ANGLE	112.5	113.5	114.5	DEG

PUNZ [V**M] 97/08/07 06:41:27

PUNZ [VTDM] 97/08/07 06:41:34

E T R A N S C E R T D A T A P U N Z
VDR MON2

FILED 97/08/07 06:35:57

	LOW	DATA	HIGH	
EXEC ANGLE	87.50	88.38	89.50	DEG
30 HZ MOD	28.0	30.1	32.0	%
9960 HZ MOD	28.0	29.8	32.0	%
9960 HZ DEV	15.4	15.9	16.6	RATIO
POWER OUT	80	109	120	WATTS
IDENT MOD	4.0	4.9	6.0	%
AURAL MOD	28.0	29.2	32.0	%
IDENT		UNZ		

E T R A N S C E R T D A T A P U N Z
TAC/DME MON2

FILED 97/08/07 06:30:20
STATE: TAC/CDA/R/N

	LOW	DATA	HIGH	
REPLY DELAY	49.1	49.2	49.5	USEC
PULSE SPACING	11.8	11.9	12.2	USEC
RCVR SENS	91	100		DBM(-)
SQUITTER	2610	2651	2790	PPPS
POWER OUT	2500	3482		WATTS
DECODES 11/35 USEC	70	89		%
DECODES 13/37 USEC	70	89		%
IDENT		UNZ		
15 HZ AZ ANGLE	112.5	117.3	120.5	DEG
135 HZ AZ ANGLE	112.5	113.4	114.5	DEG

E T R A N S C E R T D A T A P U N Z
VDR MON1

FILED 97/08/07 06:49:27

	LOW	DATA	HIGH	
EXEC ANGLE	87.50	88.26	89.50	DEG
30 HZ MOD	28.0	30.1	32.0	%
9960 HZ MOD	28.0	29.8	32.0	%
9960 HZ DEV	15.4	15.9	16.6	RATIO
POWER OUT	80	109	120	WATTS
IDENT MOD	4.0	5.0	6.0	%
AURAL MOD	28.0	28.7	32.0	%
IDENT		UNZ		

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A B R O U N D C H E C K D A T A P U N Z
STATE:

FILED 97/08/07 06:30:20

POWER OUT	2500	3350		WATTS
RADIATED PWR	2500	3804		WATTS
IDENT	1340	1345	1360	HZ
15 HZ AZ ANGLE	112.5	117.4	120.5	DEG
135 HZ AZ ANGLE	112.5	113.4	114.5	DEG
NORTH COUNT	24	24	24	PULSES
NORTH DURATION	131.0	131.9	133.0	USEC
AUX COUNT	12	12	12	PULSES
AUX DURATION	131.0	131.8	133.0	USEC
AUX GROUPS	8	8	8	GROUPS
ROTATION PERIOD	66.55	66.68	66.77	MSEC

G S Y S T E M S T A T E F U N Z FILED 97/08/07 06:58:56

AUDIO ON LINE RC01 RCO LEVEL .01 VOLTS

	V O R		T A C / D M E	
	MON1	MON2	MON1	MON2
STATUS	ENABLED	ENABLED	ENABLED	ENABLED
CONTROL	C	R	R	C
BYPASS	OFF	OFF	OFF	OFF
MANUAL CONTROL	NORMAL	NORMAL	NORMAL	NORMAL
ALARM	NO	NO	NO	NO
IDENT	ON	ON	ON	ON
EXEC STATUS	IDLE		IDLE	
TEST GEN MODE			OFF	OFF
CODER/DECODER			A	A
TAC/DME MODE			TAC	TAC

C F A U L T H I S T O R Y F U N Z

	FAULT 1	FAULT 2	FAULT 3	PREFAULT	
VOR MON1	97/08/06 00:05:35	97/08/06 00:05:28	97/08/06 00:05:22	97/08/07 07:02:46	
EXEC ANGLE	*90.33	*90.18	*89.61	88.22	DEG
30 HZ MOD	*26.2	*27.2	*32.1	30.1	%
9960 HZ MOD	29.9	30.1	29.8	29.7	%
9960 HZ DEV	16.0	16.0	16.0	15.9	RATIO
FIELD INTENSITY	31.4	31.2	30.7	31.0	DB
IDENT	GOOD	GOOD	GOOD	GOOD	
16 FT MON STATUS	0000	0000	0000	0000	

C F A U L T H I S T O R Y F U N Z

	FAULT 1	FAULT 2	FAULT 3	PREFAULT	
TAC/DME MON2	97/08/07 05:51:47	97/08/07 06:35:49	97/08/07 05:38:17	97/08/07 07:08:35	
	TAC/CDA/C/N	TAC/CDA/R/N	TAC/CDA/C/N	TAC/CDA/C/N	
REPLY DELAY	49.3	49.0	49.4	0	USEC
PULSE SPACING	12.0	12.0	11.9	11.9	USEC
REPLY EFF	85	85	87	0	%
SQUITTER	2641	*2525	2645	0	PPPS
POWER OUT	3525	3474	3568	3545	WATTS
RADIATED PWR	3272	3550	3282	3673	WATTS
IDENT	*0	1344	*0	1344	HZ
15 HZ AZ ANGLE	116.2	117.4	117.1	117.3	DEG
135 HZ AZ ANGLE	113.5	113.6	113.5	113.7	DEG
NORTH COUNT	24	24	24	24	PULSES
NORTH DURATION	131.9	131.4	131.9	131.9	USEC
AUX COUNT	12	12	12	12	PULSES
AUX DURATION	131.8	131.6	131.9	131.8	USEC
AUX GROUPS	8	8	8	8	GROUPS
ROTATION PERIOD	66.57	66.68	66.68	66.68	MSEC

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FACILITY MAINTENANCE LOG

WVFR
SUBJECT OF LOG
LAWYER
REVISION

F-10294683

FACILITY MAINTENANCE LOG

STATION
WVFR, Grant
SUBJECT OF LOG
MAINT/R VASI

MONTH AND YEAR
FEB 1997

DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
10	0115		MAINT/R completed monthly Pm as per maint. code on 10/11/97	JP
	0300			
	0130		VASI-C completed monthly Pm as per maint. code on 10/11/97	JP
4	0209		VASI-C completed monthly Pm as per maint. code on 10/11/97	JP
	0230		Completed site visit, departed	JP
13	0245		MAINT/R: arrived at site found start of damage by jet blast	JP
			advised tower etc. #47 OTS	JP
	0300		completed site visit, departed	JP
			MARCH 1997	
2	0311		MAINT/R: arrived at site for monthly schedule Pm, also quarterly	JP
	0318		MAINT/R completed monthly and quarterly Pm as per maint. code on 10/11/97	JP
	0330	51	MAINT/R Certified	JP
3	0008		VASI-C (4) starting monthly Pm as per maint. code on 10/11/97	JP
	0041		VASI-C completed monthly Pm as per maint. code on 10/11/97	JP
10	0015		per maint. code on 10/11/97	JP
	0100		VASI-C (4) starting monthly Pm as per maint. code on 10/11/97	JP
3	0217		VASI-C (4) completed monthly Pm as per maint. code on 10/11/97	JP

DATE SIGNATURE OF SECTOR MANAGER/DESIGNER DATE SIGNATURE OF MAINTENANCE TECHNICIAN

F-10294684

FACILITY MAINTENANCE LOG			STATION AGANA, LIANA	MONTH AND YEAR MAY 1997
			SUBJECT OF LOG MALS/E VASI-LL-24	
DATE	TIME (24 HOURS)	CODE	REMARKS	INI- TIALS
3	0218		Maint code M1	JP
	0300		Completed site visit, Departed	JP
	2214		Arrived at site to continue schedule PM at MALS/E AREA.	JP
4	0513		Completed Quarterly, Semi Annual and Annual PM as per maint. code X3, A1, A2, X8, A17, A10, C4, A4, A7, X7	JP
	0520		Completed site visit, Departed	JP
8	2300		At site to check VASI-GUMA as reported by Tech F. Paulino that downwind and mid. bar outboard OTS.	JP
9	0050		Completed replacing lamps for 2000 hrs change.	JP
	0050		Completed monthly maint. on VASI GUMA per codes M1 & X2.	JP
	0100		VASI-GUMA RTS, Agana Tower advised.	JP
	0105		Departing.	JP
	2145		VASI GUM; At site with F. Paulino for VASI P. EXAM.	JP
10	0015		Completed replacing 4ea lamps, low intensity appearance.	JP
	0130		Replaced photo control board, High to low tubes forward	JP
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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F-10294685

FACILITY MAINTENANCE LOG			STATION AGAMA GUMM	MONTH AND YEAR April, 1997		
DATE	TIME (24 HOURS)	CODE	REMARKS			INITIALS
10	0215		Completed P Exam on F. Paulino.			COA2
	0225	51	UASI-GUM Certified.			UW+2
	0230	67	UASI-GUM RTS, agana tower advised.			UW+2
	0300		MALS/R, AT site to check out remote control unit as reported by Agana tower.			COA2
	0310		Found CB4 breaker tripped. Reset and breaker tripped again.			UW+2
	0320		Found surge protectors on decoder unit shorted.			UW+2
	0335		Completed replacing surge protectors E2DE3			UW+2
	0345	51	MALS/R Certified.			UW+2
	0350		MALS/R RTS and tower advised.			UW+2
	0355 6/4/97		Completed monthly maint. on MALS/R per codes M15M2. Departing.			UW+2
13	0130		MALS/R, at site to check MALS/R CTS as reported by Agana Tower.			AT
	2300		MALS/R, Completed trouble shooting MALS/R, found CB4 tripping			AT
14	0030		Completed replacing defective E2 surge protector, Test of MALS/R, all Normal.			AT
	0045	51	MALS/R Certified			AT
14	0050		MALS/R RTS, ATC supervisor FE Advise AT			AT
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN		

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F-10294686

FACILITY MAINTENANCE LOG			STATION AGAND, IAHNT	MONTH AND YEAR APRIL 77	
DATE	TIME (24 HOURS)	CODE	SUBJECT OF LOG MALS/R VASI-C & 24R		INITIALS
15	0055		Completed site visit, Departed		RP
16	1030		MALS/R, Arrived at site with RP to review MALS/R due to Typhoon ISA.		RP
16	1103		MALS/R OTS coordinate Agand Tower T.O.		RP
	1230		Completed site visit, Departed		RP
16	2300		MALS/R, Arrived at site with RP to review MALS/R		RP
17	0030	51	MALS/R Certified		RP
	0107		MALS/R OTS, coordinate with ATL T.O.		RP
	0110		Completed site monthly Pm on MALS/R as per maint. code m1 and m2		RP
	0130		Completed monthly Pm on VASI-C and 24R as per maint. code m1		RP
	0155		Completed site visit, Departed		RP
MAY 1977					
11	3115		MALS/R, Arrived at site for schedule Pm		RP
11	2300		Completed monthly Pm on MALS/R as per maint. code m1 and m2		RP
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN	

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F-10294687

FACILITY MAINTENANCE LOG			STATION AGANA, GUAM	MONTH AND YEAR MAY 1997	
DATE	TIME (24 HOURS)	CODE	SUBJECT OF LOG MAES/R - VASI-66 - 24R		INITIALS
11	2310		VASI-66, starting monthly Ovr		JP
12	0050		Completed monthly and Quarterly Ovr on VASI-66 as per maint. code n1, Q3		JP
	0055	51	VASI-66 Certified		JP
	0115		VASI-24R, starting Ovr		JP
	0330		Completed monthly, and Quarterly Ovr on VASI-24R as per - maint. code n1 and Q3		JP
	0335	51	VASI-24R, Certified		JP
	0400		Completed site visit, Departed		JP
31	3145		MAES/R, arrived at site on evening. Call out by HAI MCC reported MAES/R OTS		JP
JUNE 1997					
01	0700		Completed trouble shooting MAES/R Control panel and found 11/14 y Control Card defective and also re- place one on defective surge Resistor board on the board unit. at		JP
01	0730		Tested MAES/R on local Control at all three bridges and found all Normal.		JP
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNEE		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN	

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FACILITY MAINTENANCE LOG

STATION: **AGUA, TAMA**

SUBJECT OF LOG: **MAS/R 41451-66-5742**

MONTH AND YEAR: **JUNE 1997**

DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
01	0230		Lower MAS/R to low hole and inform Agua Tower ATC 66 to leave MAS/R running until we receive parts	
	0245		Completed site visit, Departed	RP
8	2200		MAS/R Arrived at site with ATSS Ben Flores to work on MAS/R Remote Control	RP
9	0155		Completed replacing 2 each 1A144 Central Case Assembly	RP
	0200		Completed testing MAS/R via Remote Control, all operations are normal	RP
	0205		Remote control operation as advised	
	0210	SI	MAS/R Certified	RP
	0215		Completed site visit, Departed	RP
15	0500		Arrived site to check VASI 6L (one bar out) Reported by RTE (DH)	SH
	0530	SI	(Check VASI 6L (VISUAL) Found Downwind Inboard Box (DAM) missing	SH
	0600		Replace all VASI lamps and proceed to air	
	0610		System and install	SH
	0700		Replace Inboard VASI 6L System still tripping	SH

DATE	SIGNATURE OF SECTOR MANAGER/DESIGNER	DATE	SIGNATURE OF MAINTENANCE TECHNICIAN
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F-10294689

FACILITY MAINTENANCE LOG

STATION
NASA GUAM

SUBJECT OF LOG
VASI-6L - IFR

MONTH AND YEAR
June 1997

DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
15	800		Informed ATC (EDH) of problem	JP
	910		Departed SIF	JP
15	2130		Arrived at site to conduct on VASI 6L	JP
	2140		Departed site on VASI 6L and IFR	
16	0130		Arrived at site to conduct on VASI 6L	JP
	0140		Completed work on VASI 6L	JP
	0150		Departed site on VASI 6L	JP
	0200		Notification of (GAD/EE) 7117 VASI 6L RTS	JP
	0218	60	Departing site for	JP
16	2338		Arrived at site for Safety Inspection & Local Checks	JP
17	0219		Completed Safety Inspection	JP
	0220	51	Departing site for	JP
	2030		MAAS/PAAS arrived at site for	
	2040		check	JP
	2217		Completed monthly and quarterly PMA	
	2240	50	MAAS/PAAS for 20 days maintenance. Code M1	
	2250		MAAS/PAAS	JP
18	2230	51	MAAS/PAAS Certified	JP
	2300		Starting monthly PMA on VASI-6L and	
	2310		24R	JP
18	0110		Completed monthly PMA on VASI-6L and	
	2050		24R in part. Code M1	JP

DATE	SIGNATURE OF SECTOR MANAGER/DESIGNER	DATE	SIGNATURE OF MAINTENANCE TECHNICIAN
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1142 0111

F-10294890

FACILITY MAINTENANCE LOG			LOCATION	MONTH AND YEAR
			AGANA, GUAM	June 1997
			SUBJECT OF LOG	
			MALS/R, VASI-62/241	
DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
18	0117		Completed site visit, Departed	RD
			July, 1997	
09	2230		At site for performance exam on VASI-GUM with L. Aflague. Starting.	1042
10	0130		P's exam for L. Aflague incomplete due to bad weather will continue tomorrow.	1042
	0140		Departing.	2042
	2230		At site with L. Aflague to continue P. exam on VASI-75.	1042
	2230	64	GUM VASIO OTS for continuation of P-exam. Agana Tower approved.	1042
N	0000		Completed P-exam.	1042
	0010	51	GUM VASI Certified.	1042
	0015		GUM VASI RTS. Agana Tower advised.	1042
	0020		Departing.	1042
13	2200		At site to check problem with VASI-GUM.	1042
	10715	80	(Delayed entry: 7/13, 2205) GUM VASI OTS as reported by Agana Tower.	1042
14	0045	51	GUM VASI Certified.	1042
	0048		GUM VASI RTS, Agana Tower advised.	1042
	0050		Departing.	1042
15	2215		ARRIVED SITE FOR VASI 62 OTS.	RD
	2250		GUM VASI CERTIFIED.	RD
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNER		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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FACILITY MAINTENANCE LOG

STATION
 Agaña, Guam
 SUBJECT OF LOG
 MALSR VASI LL/240

F-1029469

MONTH AND YEAR
 July 1997

DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
15	2300		Depart site	SP
21	0545	80	VASI-24R, arrived at site to check VASI-24R OTS as reported	SP
	0750		Completed replacing Down Wind and Middle Bar down lamps. Tested VASI-24R, all operations were Nor	SP
			MalSR VASI-24R	SP
	0753	51	VASI-24R, Confirmed	SP
	0800		VASI-24R LETS, Voice Agaña Tower ATC TO	SP
	0810		Completed inter visit, Departed	SP
	2200		MALSR, arrived at site for schedule monthly Ovr	SP
	2318		Completed monthly Ovr on MALSR as per maint. code M1 and M2	SP
	2330		Starting monthly Ovr on VASI-24R and 24L	SP
22	0131		Completed monthly Ovr on VASI-6L and 24R as per maint. code M1	SP
	0300		Completed inter visit, Departed	SP
22	0430		Arrived at site to check VASI-24R w/nt & operated night operation - no reported high Agaña Tower TO	SP
DATE	SIGNATURE OF SECTOR MANAGER/ENGINEER		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN

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F-10294892

FACILITY MAINTENANCE LOG

STATION: **AGANA, GUMI**

SUBJECT OF LOG: **MASS/R 4 JASI-60-11R**

MONTH AND YEAR: **JULY 97**

DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
22	0800	80	Completed trouble shooting VASI-24R found main and regulator board defective, advise Agana Tower ATC & TOWER VASI-24 R O.T.S.	RP
	0830	51	Completed site visit, Departed	RP
29	1130		Arrived at site to continue repair	
	1935		on VASI-24 R	RP
30	0800		Completed replacing main and regulator board on MASTER and slave unit on VASI-24R	RP
	0830		Completed testing VASI-24R, all operations are normal.	RP
	0835	51	VASI-24R Certified.	RP
	0900		VASI-24R R.T.S, advise Agana Tower ATC & T.O.	RP
	0710		Completed site visit, Departed	RP
			AUG. 1997	
5	1800		VASI-60 Arrived at site with AFSS KCB and CA to check VASI-60 due to Aircraft accident.	RP/KCB
	1920	51	VASI-60 Certified. RP	RP/KCB
			DELETE FROM THIS BLANK LINE	RP
			TECHNICIAN: ROBERT H. PEREZ	
DATE	SIGNATURE OF SECTOR MANAGER/DESIGNER		DATE	SIGNATURE OF MAINTENANCE TECHNICIAN
5/5/97	[Signature]		5/5/97	[Signature]

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FACILITY MAINTENANCE LOG

2711001 06 708
 2711001 06 708
 2711001 06 708

MAINTENANCE
 NUMBER OF LOGS
 MA/S/R VASI-64 2342

MONTH AND YEAR
 AUG 97

DATE	TIME (24 HOURS)	CODE	REMARKS	INITIALS
5/1800			TITLE: AIRWAY TRANSPORTATION SYSTEM SPECIALIST OBSERVER: <u>Keith Chamm</u>	
			TITLE: ATSS COORDINATOR	
			DELETE THIS BLANK LINE	
1920	51		MA/S/R VASI-64 Certified	NA
1930			Departed site	NA
1935			MA/S/R arrived site to check due	NA
NA			to aircraft accident.	NA
NA			DELETE THIS BLANK LINE	NA
			TECHNICIAN: Robert H. Perez	NA
			TITLE: ATSS	
			OBSERVER: <u>Keith Chamm</u>	
			TITLE: ATSS Coordinator	
			DELETE THIS BLANK LINE	
1955	51		MA/S/R Certified	NA
5/2330			Completed site, Departed. Last Entry this Page	NA

DATE: 8/5/97 SIGNATURE OF SECTOR MANAGER/DESIGNER: ACM Mont DATE: 8/5/97 SIGNATURE OF MAINTENANCE TECHNICIAN: ACM Mont

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