# A1. DADISP PROCESSING GUIDE N 9 3 - 26 9 4 9 DADISP PROCESSING GUIDE M. J. B. Rogers 7 October 1992

The following is a guide for DADiSP software, intended for use by the Lambda Point Experiment Team during and after the USMP-1 mission. DADiSP is a Data Analysis and Display Software developed and marketed by DSP Development Corporation, Cambridge, Massachusetts. This guide is intended to be used in addition to the DADiSP Worksheet User Manual and Reference Manual which are supplied by the company with the software. Technical support for DADiSP is available from DSP at (617) 577-1133.

Access to DADiSP on ACAP EGSE is being provided to the LPE team during USMP-1 for off-line processing of SAMS data.

# TO GET FROM DOS PROMPT TO DADISP WORKING ENVIRONMENT (A WORKSHEET)

DISPLAY OR HIGHLIGHTED OPTION	ACTION TO TAKE	RESULT
DOS PROMPT C:\>	CD SAMS	CHANGES TO SAMS DIRECTORY
C:\SAMS>	DADISP	OPENS DADISP SOFTWARE PACKAGE
LIST OF AVAILABLE LABBOOKS / <b>OPEN</b> HIGHLIGHTED ON BAR MENU	ENTER TO OPEN LABBOOK AND TYPE OR SELECT LABBOOK OF INTEREST / SEE * BELOW FOR OTHER OPTIONS ON BAR MENU	OPENS LABBOOK OF INTEREST
LIST OF DATASETS AND WORKSHEETS / <b>WORKSHEET</b> HIGHLIGHTED ON BAR MENU	ENTER TO OPEN WORKSHEET, THE WORKING ENVIRONMENT / SEE ** BELOW FOR OTHER OPTIONS ON BAR MENU	OPENS WORKSHEET OF INTEREST

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#### \*BAR MENU OPTIONS UPON ENTERING DADISP

*BAR MENU OPTION	ASSOCIATED ACTION / OPTION	POTENTIAL USES
OPEN	OPEN OPENS LABBOOK	
	BASED ON CLICKED	INTEREST
	UPON OPTION OR	
	TYPED SELECTION	
CREATE	CREATES A NEW	CREATE LABBOOK FOR NEW
	LABBOOK	WORK
DIRECTORY MOVE TO DIFFERE		ACCESS LABBOOKS SAVED
	DOS DIRECTORY	IN LOCATION OTHER THAN
		C:\DSP
UTILITIES	COPY - COPY	DO WORK WITH DIFFERENT
	LABBOOK	DATA BASED ON WORK IN
		ANOTHER LABBOOK
	<b>DELETE</b> - DELETE	
	LABBOOK	
	LOAD - LOAD	COMMAND FILES CAN BE
	COMMAND FILE	WRITTEN TO PERFORM
		OPERATIONS
EXIT	EXIT TO DOS	

#### **\*\*BAR MENU OPTIONS UPON ENTERING A LABBOOK**

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<b>**BAR MENU OPTIONS</b>	ASSOCIATED ACTION / OPTION	POTENTIAL USES
WORKSHEET	OPENS WORKSHEET	WORKSHEETS ARE THE
	BASED ON CLICKED	BASIC WORKING
	UPON OPTION OR	ENVIRONMENT
	TYPED SELECTION	
UTILITIES	<b>DELETE - DELETE</b>	
	SELECTED DATASET	
• <u> </u>	OR WORKSHEET	
	IMPORT (DATA)	IMPORT DATA FILE FROM
		DIRECTORY
	EXPORT (DATA)	EXPORT DATA FILE TO
		DIRECTORY
	COPY - COPY	
	SELECTED DATASET	
	OR WORKSHEET	
INDEX	LISTS CONTENTS OF	ALLOW USER TO SEE WHICH
	SELECTED DATASET	DATA SERIES ARE IN A
		SELECTED DATASET
CLOSE	CLOSES CURRENT	
	LABBOOK	

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## **\*\*\*BAR MENU OPTIONS UPON ENTERING A WORKSHEET**

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***BAR MENU OPTIONS	ASSOCIATED ACTION /	POTENTIAL USES
	OPTION	
LOAD	LOADS AN EXISTING	CONTINUE PREVIOUS WORK
	WORKSHEET	OR USE EXISTING
		WORKSHEET AS PROCESSING
		GUIDE
SAVE	SAVES CURRENT	SAVE FOR CONTINUED
	WORKSHEET	WORK OR AS PROCESSING
		GUIDE
ADD	ADD WINDOWS TO	CALCULATIONS ARE
	WORKSHEET	PERFORMED AND PLOTTED
		IN SEPARATE WINDOWS
REMOVE	REMOVE WINDOWS	REMOVE UNNECESSARY
	FROM WORKSHEET	WINDOWS AND CUSTOMIZE
		WORKSHEET STYLE
ENTER	ENTER WINDOW IN	NECESSARY TO HAVE
	WORKSHEET	WINDOW SELECTED TO
	ENVIRONMENT	WORK IN IT; ALSO DONE BY
		CLICKING IN WINDOW
CLOSE	CLOSES CURRENT	
	LABBOOK	

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#### FUNCTION KEYS FOR USE IN WORKSHEET ENVIRONMENT

F1	ON-LINE HELP
F2	DISPLAY BACKGROUND (HEADER) INFORMATION FOR SELECTED WINDOW (THESE VALUES ARE SET WHEN DATA FILE IS IMPORTED)
F3	ACTIVATES LINE EDITOR FOR SELECTED WINDOW
F4	OVERPLOT - ALLOWS SEVERAL WINDOWS TO BE PLOTTED IN ONE WINDOW
F5	TOGGLES THROUGH DIFFERENT AXIS SCALE OPTIONS
<b>F6</b>	PUTS VARIOUS GRIDS ON PLOT
F7	TOGGLES BETWEEN DIFFERENT DISPLAY OPTIONS (LINE PLOT, BAR
	GRAPH, TABLE VIEW)
<b>F8</b>	LOAD DATASET
<b>F</b> 9	SAVE DATASET
F10	ZOOM; ONCE ZOOMED, F9 PROVIDES CROSSHAIRS WHICH CAN BE MOVED BY MOUSE OR ARROW KEYS FOR FINER CONTROL, F9 AGAIN LOCKS FIRST CROSSHAIRS AND PROVIDES A SECOND SET; POSITIONS IN DATA FILE AND POSITION RELATIVE TO FIRST CROSSHAIR, IF APPLICABLE, DISPLAYED AT BOTTOM OF SCREEN. RIGHT MOUSE BUTTON OR ESC KEY REMOVES CROSSHAIRS AND ZOOM.

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#### MAIN MENU

HELP LOAD AND SAVE DATA EDIT/REDUCE DATA GRAPHICAL VIEWS CREATE NEW VIEW VIEW CONTROLS SET UNITS SET DELTA OFFSET SET COLORS SET SCALE INFORMATION

MATH AND MATRICES STATISTICS ANALYZE PEAK FFT ANALYSIS WORKSHEET PRINTS AND PLOTS OPTIONAL MODULES

#### **TYPICAL DADISP PROCESSING SCHEME FOR LPE DURING USMP-1**

#### SETTING UP A DADISP PROCESSING GUIDE

ENTER DADISP

**CREATE** LABBOOK - LPE\_GUIDE

**OPEN - LPE\_GUIDE** 

UTILITIES - IMPORT - DATA FILE (AT 250 Hz SAMPLING FREQUENCY) FORMED BY CONVERT ROUTINE, HEADER FILE SET UP BY CONVERT, CARRIAGE RETURN

WORKSHEET - ADD - 9 ENTER

- W1 CLICK IN W1 TO ACTIVATE WINDOW F8 TO LOAD X-AXIS SERIES IN W1, SELECT DATASET
- W2 W1-MEAN(W1) DEMEANS W1
- W3 (PSD(W2)/4)\*(LENGTH(W2))/250 CALCULATES AND PLOTS PSD OF DEMEANED DATA SUCH THAT  $(g_{rms})^2 = \int PSD$
- W4-W9 REPEAT WITH Y- AND Z- AXIS DATA
- SAVE PSD GUIDE

SAVES WORKSHEET TO BE USED AS PROCESSING GUIDE

SELECT EXIT/CLOSE FROM BAR MENU CLICK RIGHT MOUSE BUTTON HIT ESC KEY

THE ABOVE ARE THREE WAYS TO GET OUT OF DADISP

#### **TYPICAL DADISP PROCESSING SCHEME FOR LPE DURING USMP-1**

#### **USING A DADISP PROCESSING GUIDE**

#### **ENTER DADISP**

**OPEN - LPE\_GUIDE** 

UTILITIES - IMPORT - NEW DATA FILE

#### WORKSHEET - LOAD - PSD\_GUIDE

W1 - CLICK TO ACTIVATE

F8 - TO LOAD NEW X-AXIS SERIES FROM DATASET
W2/W3- NEW DATA WILL PROPAGATE THROUGH WINDOWS
CONTINUE BY LOADING Y- AND Z- AXIS DATA INTO W4 AND W7

#### ADDITIONAL PROCESSING

NARROW BAND SPECTRAL ANALYSIS CUMULATIVE SPECTRAL ANALYSIS NARROW BAND g<sub>rms</sub> DIFFERENCING OF SPECTRA COMPARISON OF SPECTRUM OF LONG TIME WINDOW TO AVERAGED SPECTRA OF SUCCESSIVE TIME WINDOWS

# **A2. ACAP POCC OPERATIONS PROCEDURES**

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<b>Desired</b> Operation/Information	Procedure
real-time sun ethernet address	128.158.29.121 (samson1)
real-time sun login	sams
real-time sun password	*****
real-time directories of interest	/home/samson1/sams : working directory
	/home/samson1/sams/data: data directory
	note that data directory is a common
	directory with real-time 486
play back sun ethernet address	128.158.29. (samson2)
play back sun login	sams
play back sun password	****
play back directories of interest	/home/samson2/sams : working directory
	/home/samson2/sams/data: data directory
	note that data directory is a common
	directory with real-time 486
starting shell routine to run real-time or	type sams2rt, wait for data stream to start
playback recording/processing systems	
necessary input for initialization	bias, temperature, a0, and a1 for x, y, z
	(can be changed anytime during run)

## ACAP Sun Operations for USMP-1

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recognizing data loss	status check should identify short term bad
	data
	LOS will result in DQM status=3 response
	upon status check
	LOS will also result in zero values being
	passed to peak value plots
formation of data files	done automatically through shell program,
	default data file length is 5 minutes, can set
	to lengths of 1 min to 60 min upon startup
	of shell routine or anytime during run;
	peak value data file default length is 30 min,
	can set from 1 min to 60 min
data file format and naming convention	see attached sheets

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<b>Desired</b> Operation/Information	Procedure
real-time 486 LOGIN	sams
real-time 486 PASSWORD	*****
play back 486 LOGIN	sams
play back 486 PASSWORD	****
real-time 486 ethernet address	128.158.29.125 (delilah_1)
play back 486 ethernet address	(delilah_2)
directories of interest	c:\sams\acap processing directory
	e: data directory (common with sun \data)
accessing (forming) data files from Sun	in acap directory type CONVERT to start
	program which prompts for start time, axes,
	engineering, peak value, total time
	information
starting and running dadisp	see DADISP operations sheet

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# ACAP 486 Operations for USMP-1

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## Sun Disk Storage Naming and Format Convention

### Engineering Unit (X, Y, and Z axis) data

Variable length files: 5 minute default, can be set to lengths 1 minute to 60 minutes

Name: RDHHMMSS.EU or PDHHMMSS.EU

where first character R denotes real-time data and P denotes playback data

the D denotes mission day and is a hex character

hours, minutes, and seconds (HHMMSS) are ASCII characters

File type: binary

Units:

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Format:	T <sub>1</sub> (hhmmss)
	TEMP <sub>x,y,z</sub>
	$X_1$
	Y.
	A2
	X <sub>3</sub>
	_
	•
	X <sub>250</sub>
	Y <sub>1</sub>
	Y <sub>2</sub>
	v v
	13
	•
	V
	1 250
	$Z_1$
	$Z_2$
	7.
	23
	•
	_
	7
	<sup>4</sup> 250
	STATUS WORDS

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# Peak Value Data $(X_{1MAX}^2+Y_{1MAX}^2+Z_{1MAX}^2)^{1/2}$

Variable length files: 30 minute default, can be set to lengths 1 minute to 60 minutes

Name: RDHHMMSS.MA or PDHHMMSS.MA

where first character  $\mathbf{R}$  denotes real-time data and  $\mathbf{P}$  denotes playback data

the D denotes mission day and is a hex character

hours, minutes, and seconds (HHMMSS) are ASCII characters

File type: Floating point

Units:

Format:

TI	$(X_{1MAX}^{2}+Y_{1MAX}^{2}+Z_{1MAX}^{2})^{1/2}$
T <sub>2</sub>	$(X_{1MAX}^2 + Y_{1MAX}^2 + Z_{1MAX}^2)^{1/2}$
T <sub>3</sub>	$(X_{1MAX}^{2}+Y_{1MAX}^{2}+Z_{1MAX}^{2})^{1/2}$
•	$(X_{1MAX}^{2}+Y_{1MAX}^{2}+Z_{1MAX}^{2})^{1/2}$
•	$(X_{1MAX}^{2}+Y_{1MAX}^{2}+Z_{1MAX}^{2})^{1/2}$
•	$(X_{1MAX}^{2}+Y_{1MAX}^{2}+Z_{1MAX}^{2})^{1/2}$

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# A3. ACAP POCC MALFUNCTIONS PROCEDURES

MALFUNCTION	PROCEDURE
REAL-TIME SUN SYSTEM CRASH	1) RE-BOOT R/T SYSTEM
WHILE AOS	a) RE-BOOT SUCCESSFUL - CONTINUE AS
<b>R/T DATA FLOWING</b>	IS
NO P/B DATA FLOWING	b) RE-BOOT UNSUCCESSFUL - PROCEED
	TO STEP 2)
	2) EXIT AND RESTART DATA COLLECTION
	PROGRAM ON P/B SUN SO THAT IT IS SET
	TO RECEIVE R/T DATA (NECESSARY FOR
	APPROPRIATE FILE NAMES)
	3) SWITCH REAL-TIME DATA FLOW
	BETWEEN SUN SYSTEMS
	4) RE-BOOT CRASHED SUN
	a) RE-BOOT SUCCESSFUL - RESTART DATA
	COLLECTION PROGRAM ON RE-BOOTED SUN
	TO RECEIVE P/B DATA (DO NOT SWITCH
	BACK UNLESS ANOTHER PROBLEM COMES
	UP OR THERE IS A CONVENIENT TIME TO DO
	SO, i.e. LOS AND NO R/T OR P/B DATA
	FLOWING)
	b) RE-BOOT UNSUCCESSFUL - LEAVE SET-
	UP AS IS AND CONTINUE TO TRY SUN RE-
	BOOT; MAY BE NECESSARY TO CONTACT EB
	LAB PERSONNEL OR SUN TECHNICAL
	SUPPORT FOR ADVICE; NOTE THAT THIS
	MEANS THAT P/B DATA CANNOT BE
	KECEIVED SU ARRANGE TO HAVE P/B DATA
	SENT AFTER SUN RE-BOOTED (SUBMIT A
	PDRF THROUGH LPE WHEN SUN RE-BOOTED;
	MUST KEEP TRACK OF LOS TIMES WHILE
	SUN IS DOWN)

REAL-TIME SUN SYSTEM CRASH WHILE LOS NO R/T DATA FLOWING NO P/B DATA FLOWING	<ol> <li>MORE THAN 5 MINUTES TO AOS         <ul> <li>a) RE-BOOT REAL-TIME SUN WITHOUT SWITCHING DATA FLOW</li> <li>b) RE-BOOT SUCCESSFUL - CONTINUE AS IS</li> <li>c) RE-BOOT UNSUCCESSFUL - FOLLOW R/T CRASH WHILE AOS PROCEDURE STARTING AT STEP 2)</li> </ul> </li> </ol>
	2) LESS THAN 5 MINUTES TO AOS FOLLOW R/T CRASH WHILE AOS PROCEDURE STARTING AT STEP 1)
REAL-TIME SUN SYSTEM CRASH WHILE LOS NO R/T DATA FLOWING P/B DATA FLOWING	1) LESS THAN 5 MINUTES TO AOS - FOLLOW PROCEDURES FOR R/T CRASH WHILE AOS STARTING AT STEP 1)

NOTE THAT SUN CRASH RECOVERY PROCEDURES ARE BASED ON THE ASSUMPTION THAT RECEIVING REAL-TIME DATA IS A HIGHER PRIORITY THAN PLAY BACK DATA

MALFUNCTION	PROCEDURE		
PLAY BACK SUN SYSTEM CRASH	1) RE-BOOT PLAY BACK SUN		
• R/T DATA FLOWING	2) ONCE SYSTEM IS RUNNING, HAVE LPE		
<b>R/T DATA NOT FLOWING</b>	SUBMIT A PDRF (OD) TO RECOVER ANY		
	LOST DATA		

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MALFUNCTION	PROCEDURE
REAL-TIME SUN MONITOR	1) REPLACE R/T MONITOR WITH SPARE
FAILURE	2) RECONFIGURE R/T SYSTEM AND MONITOR
<b>R/T DATA FLOWING OR NOT</b>	AS NEEDED
<b>P/B DATA FLOWING OR NOT</b>	
PLAY BACK SUN MONITOR	1) HOOK UP SPARE MONITOR TO P/B SUN
FAILURE	2) RECONFIGURE P/B SYSTEM AND MONITOR
<b>R/T DATA FLOWING</b>	AS NEEDED
P/B DATA FLOWING OR NOT	
<b>REAL-TIME 486 MONITOR</b>	HOOK UP SPARE FROM DATA CENTER
FAILURE	
PLAY BACK 486 MONITOR	HOOK UP SPARE FROM DATA CENTER
FAILURE	
OFF-LINE 486 MONITOR FAILURE	HOOK UP SPARE FROM DATA CENTER
<b>REAL-TIME SUN FILE SERVER</b>	1) RE-BOOT R/T SUN
FAILURE	a) RE-BOOT SUCCESSFUL - CONTINUE AS IS
	b) RE-BOOT BRINGS SYSTEM UP BUT FILE
	SERVER STILL SEEMS TO BE DOWN
-	i) CONTACT SUN TECHNICAL SUPPORT
	ii) CONTACT DIANE JOHNSON AT SUN TO
	BORROW ONE
PLAY BACK SUN FILE SERVER	1) RE-BOOT P/B SUN
FAILURE	a) <b>RE-BOOT SUCCESSFUL</b> - CONTINUE AS IS
	b) RE-BOOT BRINGS SYSTEM UP BUT FILE
	SERVER STILL SEEMS TO BE DOWN
	i) CONTACT SUN TECHNICAL SUPPORT
	ii) CONTACT DIANE JOHNSON AT SUN TO
	BORROW ONE

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REAL-TIME SUN TAPE DRIVE	1)	COORDINATE SCHEDULING OF TAPE		
FAILURE		ARCHIVING SO THAT ONE TAPE DRIVE CAN		
		BE USED FOR BOTH R/T AND P/B		
	2)	SHOULD BOTH TAPE DRIVES FAIL		
		a) CONTACT SUN TECHNICAL SUPPORT		
		b) CONTACT DIANE JOHNSON AT SUN TO		
		BORROW ONE		
PLAY BACK SUN TAPE DRIVE	1)	COORDINATE SCHEDULING OF TAPE		
FAILURE		ARCHIVING SO THAT ONE TAPE DRIVE CAN		
		BE USED FOR BOTH R/T AND P/B		
	2)	SHOULD BOTH TAPE DRIVES FAIL		
		a) CONTACT SUN TECHNICAL SUPPORT		
		b) CONTACT DIANE JOHNSON AT SUN TO		
		BORROW ONE		
REAL-TIME 486 CRASH	1)	REBOOT R/T 486		
	2)	<b>RE-BOOT SUCCESSFUL - CONTINUE AS IS</b>		
	3)	<b>RE-BOOT UNSUCCESSFUL - SWITCH R/T AND</b>		
		OFF-LINE 486 AND BRING IN SPARE FROM		
		DATA CENTER		
PLAY BACK 486 CRASH	1)	REBOOT P/B 486		
	2)	<b>RE-BOOT SUCCESSFUL - CONTINUE AS IS</b>		
	3)	RE-BOOT UNSUCCESSFUL - SWITCH P/B AND		
		OFF-LINE 486 AND BRING IN SPARE FROM		
		DATA CENTER		
OFF-LINE 486 CRASH	1)	REBOOT OFF-LINE 486		
	2)	<b>RE-BOOT SUCCESSFUL - CONTINUE AS IS</b>		
	3)	<b>RE-BOOT UNSUCCESSFUL - BRING IN SPARE</b>		
	<u> </u>	FROM DATA CENTER		
VIDEO RECORDER FAILURE	•	SWITCH WITH SPARE FROM DATA CENTER		

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MALFUNCTION	PROCEDURE		
INTERRUPTED DATA FLOW	1) CHECK DATA BOX FOR DATA FLOW		
NOTED ON REAL-TIME SYSTEM	INDICATION		
(BESIDES LOS)	a) DATA FLOW LIGHT NOT FLASHING		
	(DATA NOT FLOWING) - MAKE SURE DATA		
	ARE EXPECTED ON PARTICULAR SYSTEM		
	(i.e., CHECK FOR AOS/LOS SITUATION); IF		
	DATA ARE EXPECTED, CONTACT SYS CON		
	ON POCC OPS LOOP		
	b) DATA FLOW LIGHT IS FLASHING, BUT		
	DATA BEING RECEIVED IS "BAD,"		
	i) CONTACT SAMS TEAM (SCI LOOP 2)		
	TO CHECK IF THIS IS A SAMS RECORDING		
	PROBLEM, IF SO LET SAMS HANDLE IT		
	ii) IF NOT A SAMS SYSTEM PROBLEM,		
	AND STILL RECEIVING "BAD" DATA,		
	CONTACT SYS CON ON POCC OPS LOOP		
	c) DATA FLOW LIGHT IS FLASHING, BUT		
	NO DATA BEING RECEIVED, PROBABLY		
	EGSE PROBLEM		
	i) CHECK COMPUTER CONNECTIONS		
	AND HIGHTEN LOUSE PARTS, AS		
	NECESSARI		
	and DESTADT		
	AND RESTART		
	AND RE POOT SYSTEM		
	W FOLLOW MAL PROCEDURES FOR		
-	SYSTEM CRASH FOR APPROPRIATE R/T -		
	P/B DATA FLOW SITUATION		
	v) CALL SOMEONE		
	2) SUBMIT OD PDRF THROUGH LPE FOR LOST		
	DATA		

SWITCHING SUN SYSTEMS	1) SWITCH CHANNELS ON CONTROL BOARD
BETWEEN REAL-TIME AND PLAY	2) REQUEST SWITCH FROM SYS CON ON POCC
BACK DATA	OPS LOOP

MALFUNCTION	PROCEDURE		
VIDEO FAILURE	SUBMIT VIDEO PDRF		
	• FORMS IN ACAP OPERATIONS NOTEBOOK		
HVODS FAILURE	• FOLLOW PROCEDURE IN POH - SOP 1.7.1 -		
	CONTACT MARSHALL COMM ON POCC OPS		
	LOOP		
POCC TERMINAL FAILURE	• FOLLOW PROCEDURE IN POH - SOP 1.7		

\*\*NOTE - SEE TABLE 1.7-I (p. 1.7-2) IN POH FOR SUMMARY OF PROCEDURES FOR POCC EQUIPMENT PROBLEMS

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### **AP POCC LOGBOOK**

ET	•	LOG NOTE			
		SIMULATION START			
T:	•				
S	GMT:				
2	<u> </u>				
		ORBITER TO REACH CONJUNCTION WITH TURKISH			
		SATELLITE AT 4/23; MANEUVER WILL BE			
		NECESSARY; OMS BURN OR PRCS BURN PROPOSED			
		FOR IMU ALIGN PERIOD SCHEDULED AT 4/19; IF			
		WAIT LONGER THAN THAT, WILL HAVE TO DO			
		BIGGER BURN.			
		PROPOSED BURN IS +X PRCS OF 2 FT/SEC, DURATION			
		1-2 SEC			
		REQUEST FROM LPE TO INFORM THEM OF			
		ACCELERATION PEAK VALUES ASSOCIATED WITH			
		MANEUVER			
		CALLED SIM SUP (0424) TO REQUEST GUIDANCE ON			
		PROVIDING LPE WITH ACCELERATION VALUES (CAN			
		BE GET ESTIMATED VALUES FROM ANYONE);			
		RESPONSE WAS TO MAKE OUR OWN ESTIMATE			
		CONTACT POL TO REQUEST INFORMATION ON			
		UPCOMING MANEUVER BURN: PRCS 1-2 FT/SEC,			
		DURATION OF A COUPLE OF SECONDS, STILL SET			
		FOR 4/19			
		IMU ALIGN TO OCCUR AFTER MANEUVER			
)9		PRCS MANEUVER START			
		INFORMED BY SIM TEAM TO NOTIFY ANYONE WHO			
		INQUIRES THAT PRCS BURN CAUSED LARGER THAN			
		EXPECTED ACCELERATIONS			

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### **A5. ACAP STANDARD PDRF FORM**

# PDRF FORM (VIDEO)

PDRF	USMP-1	Ν	IET:		
ABCD-000					
Opt:					
PHONE (205)544-8697	ROOM AUTHOR SOA-M	NEEDED	REQUEST VIDEO		
START/STOP DATA T	IME: GMT/MET	START:	STOP:		
VIDEO SOURCE:	NASA SELECT	PB DIST:	(MONITOR/G	SE)	
PBAUD: (VV or VV/O	) DUB: (W or W/O	TIMING)	TAPE TYPE:	VHS	3/4"
USER COMMENTS:					
					-
		0-0			
· · · · · · · · · · · · · · · · · · ·	·	3=0			>
DFA ACTION PRIC	ORITY- EXECUTE:	START	STOP		
DFA NOTES:					
ACTIONEE MTV	IMPLEMENTED	CLOSEO	JT		
NOTES	······································		T. T		

E=REVIEW J=STATUS K=CATEG L=MESSAGES M=STATISTICS N=READ Y=MORE Z=MENU