

Dump defective pixel table for STR main  
File: H\_FCP\_AOC\_4S71.xls  
Author: dsalt-hp



## Procedure Summary

### Objectives

The objective of this Herschel ACMS procedure is to dump the defective pixel table from either the RAM or the EEPROM of the STR configured as main.

The procedure involves the following activities:

- dump defective pixel table in RAM
  - verify STRM is in Standby mode (SBM)
  - upload and enable DTM (SA21)
  - commanding selection of defective pixel table for dump
  - command transmission of selected STR memory
  - disable and remove DTM (SA21)
- dump defective pixel table in EEPROM

This is an auxiliary procedure, called by others that require a dump of the defective pixel table.

#### NOTE:

Dumping of the table from the RAM is only possible with the STR in stand-by mode. It is assumed that all actions necessary to put the main STR in stand-by, including change of controller configuration are carried out by the calling procedure, so only a check of STR mode is made here.

The EEPROM table is downlinked through a normal STR memory dump procedure, which can be executed in any STR mode.

### Summary of Constraints

STRmain must be in Standby mode (SBM), if the RAM table is to be dumped.

### Spacecraft Configuration

#### Start of Procedure

n/a

#### End of Procedure

n/a

### Reference File(s)

#### Input Command Sequences

#### Output Command Sequences

HFA4S71A  
HFA4S71B  
HFA4S71C  
HFA4S71D

### Referenced Displays

ANDs      GRDs      SLDs

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ZAA05999 (None)  
 ZAAE0999  
 ZAAA0999  
 ZAAE3999  
 ZAAA999

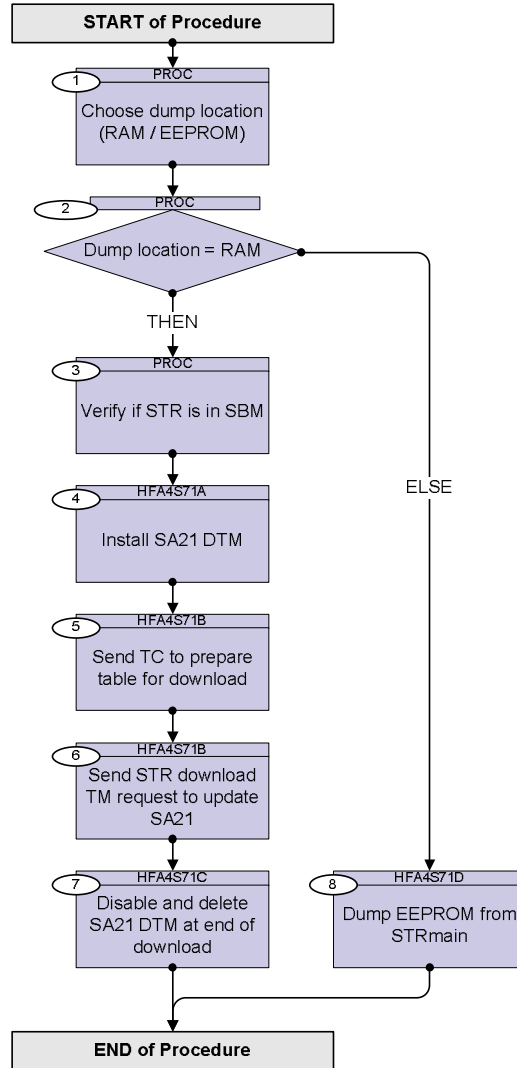
**Configuration Control Information**

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
03/08/2008	1	1	Created	dsalt-hp	
28/05/2010	3.1	2	Uplink release times added to TCs in Step 6	dsalt-hp	

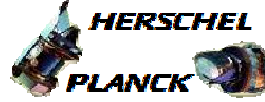
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**Procedure Flowchart Overview**



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
<b>Beginning of Procedure</b>				
PROC Procedure Properties				
SSID :				
1		Choose dump location (RAM / EEPROM)		Next Step: 2
2		Dump location = RAM		Next Step: THEN 3 ELSE 8
3		Verify if STR is in SBM		Next Step: 4
		Verify Telemetry  STRM Mode                      AEX04001	= Standby	AND=ZAA05999
TC Seq. Name :HFA4S71A (Upload DTM SA21)				
TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>				
4		Install SA21 DTM		Next Step: 5
		Execute Telecommand  TC32H STR SA21D1 Super	ACZYK109	
		Command Parameter(s) :		
		HK Packet ID                      AH3PK109	109 <dec> (Def)	
		TC3x_SID                            AHW04109	DTM Str12Sa21s	
		Interval                             AH3SA109	(Def)	
		DID number                         AH3PA109	4 <dec> (Def)	
		DID number                         AH3PA109	16766 <dec> (Def)	
		DID number                         AH3PA109	16766 <dec> (Def)	
		DID number                         AH3PA109	16766 <dec> (Def)	
		DID number                         AH3PA109	16766 <dec> (Def)	
		DID number                         AH3PA109	17099 <dec> (Def)	
		DID number                         AH3PA109	17099 <dec> (Def)	
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		DID number                         AH3PA109	17099 <dec> (Def)	

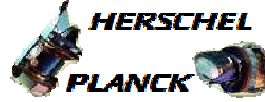
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 20 Det. descr. : TC(3,2) Define H DTM STR 1/2 SA21D1 Supersampled		
		Get packet definition report to verify correct uplinking		
		Execute Telecommand <div style="text-align: right;">Report Diag Report Def</div> Command Parameter(s) : <div style="text-align: right;">Number of pkts           AH3NP109 HK Packet ID            AH3PK109</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 20 Det. descr. : TC(3,11) Report Diagnostic Parameter Report Definitions	AC311109  1 <dec> (Def) 109 <dec>	
		If uplinking of packet definition has been confirmed, enable the packet and verify arrival of data		
		Execute Telecommand <div style="text-align: right;">EnableTmGen</div> Command Parameter(s) : <div style="text-align: right;">N                    AH017070 Sub-Type            AH019070 Packet-ID           AH020070</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 20 Det. descr. : Enable Generation of Telemetry Packets	AC900070  1 <dec> (Def) Diag Report 109 <dec>	
		Verify Packet Reception <div style="text-align: right;">H DTM STR1-2 SA21D1 Supersampled</div> Packet Details: <div style="text-align: right;">APID:           514 Type:           3 Subtype:       26 PI1:            20009 PI2:</div>	A3DHSTRSA21S	
TC Seq. Name :HFA4S71B (Dump pixel table)  TimeTag Type: N Sub Schedule ID: <div style="text-align: center;">□</div>				

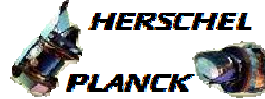


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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.05	Execute Telecommand  Command STR config  Command Parameter(s) : ASW Function ID            AHFUN001 STRCfG DF86 Cmd            AH8J3001 STRCfG DD86 Cmd            AH8J4001 STRConf HP_ID            AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit            AHFX5001 STRConf DWC MC            AHFX7001 STRCfG Nrof WrD            AHFX8001  TC Control Flags :	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
		GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION		
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  Command Parameter(s) : FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  TC Control Flags :	ACZ4M109  Enable 86 Enable 86	
		GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config		
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  Command Parameter(s) : ASW Function ID            AHFUN001 STRCfG DF86 Cmd            AH8J3001 STRCfG DD86 Cmd            AH8J4001 STRConf HP_ID            AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit            AHFX5001 STRConf DWC MC            AHFX7001 STRCfG Nrof WrD            AHFX8001  TC Control Flags :	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
		GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  <i>Command Parameter(s) :</i> ASW Function ID            AHFUN001 STRCfg DF86 Cmd            AH8J3001 STRCfg DD86 Cmd            AH8J4001 STRConf HP_ID              AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit                AHFX5001 STRConf DWC MC             AHFX7001 STRCfg Nrof Wrđ            AHFX8001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC_COMMAND_STR_CONFIGURATION	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	



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	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  Command Parameter(s) : FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
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	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
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	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	

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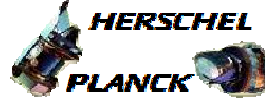
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	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
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	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
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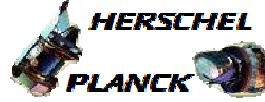


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	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
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	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	





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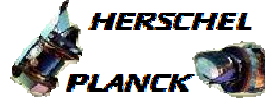
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
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	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	

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 File: H\_FCP\_AOC\_4S71.xls  
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  Command Parameter(s) : ASW Function ID           AHFUN001 STRCfG DF86 Cmd           AH8J3001 STRCfG DD86 Cmd           AH8J4001 STRConf HP_ID             AHFX1001 STRConf 1553 TR           AHFX6001 STRConf Subaddr           AHFX4001 STRConf Unit               AHFX5001 STRConf DWC MC            AHFX7001 STRCfG Nrof WrD           AHFX8001  TC Control Flags :	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
		GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION		
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  Command Parameter(s) : FireFun DF86Cmd           AH8F1001 FireFun DD86Cmd           AH8F2001  TC Control Flags :	ACZ4M109  Enable 86 Enable 86	
		GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config		
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  Command Parameter(s) : ASW Function ID           AHFUN001 STRCfG DF86 Cmd           AH8J3001 STRCfG DD86 Cmd           AH8J4001 STRConf HP_ID             AHFX1001 STRConf 1553 TR           AHFX6001 STRConf Subaddr           AHFX4001 STRConf Unit               AHFX5001 STRConf DWC MC            AHFX7001 STRCfG Nrof WrD           AHFX8001  TC Control Flags :	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
		GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION		

Dump defective pixel table for STR main  
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  <i>Command Parameter(s) :</i> ASW Function ID            AHFUN001 STRCfG DF86 Cmd            AH8J3001 STRCfG DD86 Cmd            AH8J4001 STRConf HP_ID               AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit                AHFX5001 STRConf DWC MC             AHFX7001 STRCfG Nrof WrD            AHFX8001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC_COMMAND_STR_CONFIGURATION	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	

Dump defective pixel table for STR main  
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  Command Parameter(s) : ASW Function ID            AHFUN001 STRCfG DF86 Cmd            AH8J3001 STRCfG DD86 Cmd            AH8J4001 STRConf HP_ID            AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit            AHFX5001 STRConf DWC MC            AHFX7001 STRCfG Nrof WrD            AHFX8001  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  Command Parameter(s) : FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  Command Parameter(s) : ASW Function ID            AHFUN001 STRCfG DF86 Cmd            AH8J3001 STRCfG DD86 Cmd            AH8J4001 STRConf HP_ID            AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit            AHFX5001 STRConf DWC MC            AHFX7001 STRCfG Nrof WrD            AHFX8001  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	

Dump defective pixel table for STR main  
 File: H\_FCP\_AOC\_4S71.xls  
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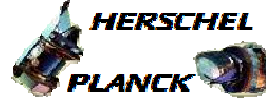
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  <i>Command Parameter(s) :</i> ASW Function ID            AHFUN001 STRCfG DF86 Cmd            AH8J3001 STRCfG DD86 Cmd            AH8J4001 STRConf HP_ID               AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit                AHFX5001 STRConf DWC MC             AHFX7001 STRCfG Nrof WrD            AHFX8001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC_COMMAND_STR_CONFIGURATION	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	

Dump defective pixel table for STR main  
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  Command Parameter(s) : ASW Function ID AHFUN001 STRCfG DF86 Cmd AH8J3001 STRCfG DD86 Cmd AH8J4001 STRConf HP_ID AHFX1001 STRConf 1553 TR AHFX6001 STRConf Subaddr AHFX4001 STRConf Unit AHFX5001 STRConf DWC MC AHFX7001 STRCfG Nrof WrD AHFX8001  TC Control Flags :	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
		GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION		
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  Command Parameter(s) : FireFun DF86Cmd AH8F1001 FireFun DD86Cmd AH8F2001  TC Control Flags :	ACZ4M109  Enable 86 Enable 86	
		GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config		
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  Command Parameter(s) : ASW Function ID AHFUN001 STRCfG DF86 Cmd AH8J3001 STRCfG DD86 Cmd AH8J4001 STRConf HP_ID AHFX1001 STRConf 1553 TR AHFX6001 STRConf Subaddr AHFX4001 STRConf Unit AHFX5001 STRConf DWC MC AHFX7001 STRCfG Nrof WrD AHFX8001  TC Control Flags :	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
		GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION		

Dump defective pixel table for STR main  
 File: H\_FCP\_AOC\_4S71.xls  
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  <b>Fire Cmd STR config</b>  Command Parameter(s) : <b>FireFun DF86Cmd</b> <b>AH8F1001</b> <b>FireFun DD86Cmd</b> <b>AH8F2001</b>  TC Control Flags : <b>GBM IL DSE</b> <b>--Y -- ---</b>  Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	<b>ACZ4M109</b>  Enable 86 Enable 86	
	ET=+ UT=+00.00.02	Execute Telecommand  <b>Command STR config</b>  Command Parameter(s) : <b>ASW Function ID</b> <b>AHFUN001</b> <b>STRCfG DF86 Cmd</b> <b>AH8J3001</b> <b>STRCfG DD86 Cmd</b> <b>AH8J4001</b> <b>STRConf HP_ID</b> <b>AHFX1001</b> <b>STRConf 1553 TR</b> <b>AHFX6001</b> <b>STRConf Subaddr</b> <b>AHFX4001</b> <b>STRConf Unit</b> <b>AHFX5001</b> <b>STRConf DWC MC</b> <b>AHFX7001</b> <b>STRCfG Nrof WrD</b> <b>AHFX8001</b>  TC Control Flags :  <b>GBM IL DSE</b> <b>--Y -- ---</b>  Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION	<b>ACXC1001</b>  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
	ET=+ UT=+00.00.02	Execute Telecommand  <b>Fire Cmd STR config</b>  Command Parameter(s) : <b>FireFun DF86Cmd</b> <b>AH8F1001</b> <b>FireFun DD86Cmd</b> <b>AH8F2001</b>  TC Control Flags : <b>GBM IL DSE</b> <b>--Y -- ---</b>  Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	<b>ACZ4M109</b>  Enable 86 Enable 86	



Dump defective pixel table for STR main  
 File: H\_FCP\_AOC\_4S71.xls  
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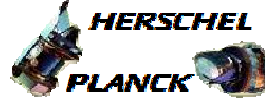
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  Command Parameter(s) : ASW Function ID            AHFUN001 STRCfG DF86 Cmd            AH8J3001 STRCfG DD86 Cmd            AH8J4001 STRConf HP_ID            AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit            AHFX5001 STRConf DWC MC            AHFX7001 STRCfG Nrof WrD            AHFX8001  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  Command Parameter(s) : FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  Command Parameter(s) : ASW Function ID            AHFUN001 STRCfG DF86 Cmd            AH8J3001 STRCfG DD86 Cmd            AH8J4001 STRConf HP_ID            AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit            AHFX5001 STRConf DWC MC            AHFX7001 STRCfG Nrof WrD            AHFX8001  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	

Dump defective pixel table for STR main  
 File: H\_FCP\_AOC\_4S71.xls  
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  <i>Command Parameter(s) :</i> ASW Function ID            AHFUN001 STRCfg DF86 Cmd            AH8J3001 STRCfg DD86 Cmd            AH8J4001 STRConf HP_ID              AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit                AHFX5001 STRConf DWC MC             AHFX7001 STRCfg Nrof Wrđ            AHFX8001  <i>TC Control Flags :</i>	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
		  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC_COMMAND_STR_CONFIGURATION		
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>  GBM IL DSE --Y -- ---  <i>Subsch. ID : 20</i> Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config	ACZ4M109  Enable 86 Enable 86	

Dump defective pixel table for STR main  
 File: H\_FCP\_AOC\_4S71.xls  
 Author: dsalt-hp



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  <i>Command Parameter(s) :</i> ASW Function ID            AHFUN001 STRCfG DF86 Cmd            AH8J3001 STRCfG DD86 Cmd            AH8J4001 STRConf HP_ID            AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit            AHFX5001 STRConf DWC MC            AHFX7001 STRCfG Nrof WrD            AHFX8001  <i>TC Control Flags :</i>	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
			GBM IL DSE --Y -- ---	
		Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION		
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  <i>Command Parameter(s) :</i> FireFun DF86Cmd            AH8F1001 FireFun DD86Cmd            AH8F2001  <i>TC Control Flags :</i>	ACZ4M109  Enable 86 Enable 86	
			GBM IL DSE --Y -- ---	
		Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config		
	ET=+ UT=+00.00.02	Execute Telecommand  Command STR config  <i>Command Parameter(s) :</i> ASW Function ID            AHFUN001 STRCfG DF86 Cmd            AH8J3001 STRCfG DD86 Cmd            AH8J4001 STRConf HP_ID            AHFX1001 STRConf 1553 TR            AHFX6001 STRConf Subaddr            AHFX4001 STRConf Unit            AHFX5001 STRConf DWC MC            AHFX7001 STRCfG Nrof WrD            AHFX8001  <i>TC Control Flags :</i>	ACXC1001  STR config (Def) Enable 86 Enable 86 Common Transmit Download Mem Main STR 0 <dec> 0 <dec>	
			GBM IL DSE --Y -- ---	
		Subsch. ID : 20 Det. descr. : TC_COMMAND_STR_CONFIGURATION		

Dump defective pixel table for STR main  
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	Execute Telecommand  Fire Cmd STR config  Command Parameter(s) : FireFun DF86Cmd AH8F1001 FireFun DD86Cmd AH8F2001  TC Control Flags :  Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd STR config  GBM IL DSE --Y -- --	ACZ4M109  Enable 86 Enable 86	
6.2		Verify dump in DTM (SA21)		<input type="checkbox"/>
6.2.1		If STR1 designated as SRTmain		<input type="checkbox"/>
		NOTE: The following TM is only available if SA10 DTM is available and those not available via ANDs can be read from the TM History		
		Verify Telemetry STR1 Downl Data AMXRB074		AND=ZAAE0999
		Verify Telemetry STR1 Downl Data AMXSM074		(None)
		Verify Telemetry STR1 Downl Data AMXTY074		(None)
		Verify Telemetry STR1 Downl Data AMXV8074		(None)
		Verify Telemetry Last Rej TC AMX1J074		AND=ZAAA0999
6.2.2		If STR2 designated as SRTmain		<input type="checkbox"/>
		NOTE: The following TM is only available if SA10 DTM is available and those not available via ANDs can be read from the TM History		
		Verify Telemetry STR2 Downl Data AMXRB075		AND=ZAAE3999
		Verify Telemetry STR2 Downl Data AMXSM075		(None)
		Verify Telemetry STR2 Downl Data AMXTY075		(None)

Dump defective pixel table for STR main  
 File: H\_FCP\_AOC\_4S71.xls  
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry STR2 Downl Data AMXV8075		(None)
		Verify Telemetry STR2 Lastrej TC AMX1J075		AND=ZAAAA999
<p>TC Seq. Name :HFA4S71C (Remove DTM SA21)</p> <p>TimeTag Type: Sub Schedule ID: <input type="checkbox"/></p>				
7		Disable and delete SA21 DTM at end of download		Next Step: END
		Execute Telecommand <p style="text-align: right;"><b>DisableTmGen</b></p> <p>Command Parameter(s) :</p> <p style="margin-left: 40px;">N                    AH017070      1 &lt;dec&gt; (Def)</p> <p style="margin-left: 40px;">Sub-Type            AH019070      Diag Report</p> <p style="margin-left: 40px;">Packet-ID           AH020070      109 &lt;dec&gt;</p> <p>TC Control Flags :</p> <p style="margin-left: 40px;">GBM IL DSE</p> <p style="margin-left: 40px;">--Y -- ---</p> <p>Subsch. ID : 20</p> <p>Det. descr. : Disable Generation of Telemetry Packets</p>	AC902070	
		Execute Telecommand <p style="text-align: right;"><b>Clear Diagnostic Report</b></p> <p>Command Parameter(s) :</p> <p style="margin-left: 40px;">Number of pkts      AH3NP109      1 &lt;dec&gt; (Def)</p> <p style="margin-left: 40px;">HK Packet ID        AH3PK109      109 &lt;dec&gt;</p> <p>TC Control Flags :</p> <p style="margin-left: 40px;">GBM IL DSE</p> <p style="margin-left: 40px;">--Y -- ---</p> <p>Subsch. ID : 20</p> <p>Det. descr. : TC(3,4) Clear Diagnostic Parameter Report Definitions</p>	AC034109	
<p>TC Seq. Name :HFA4S71D (Dump STRm EEPROM)</p> <p>TimeTag Type: Sub Schedule ID: <input type="checkbox"/></p>				
8		Dump EEPROM from STRmain		Next Step: END

Dump defective pixel table for STR main  
 File: H\_FCP\_AOC\_4S71.xls  
 Author: dsalt-hp



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand		
		Dump STR-main SW	ACZ7P109	
		Command Parameter(s) :		
		STRSw DF86 Cmd            AH8U1001	Enable 86	
		STRSw DD86 Cmd            AH8U2001	Enable 86	
		STRSw STR Mem             AHFXM001	0407FD00 <hex>	
		STRSw Nr Words            AHFXN001	192 <dec>	
		TC Control Flags :		
		GBM IL DSE		
		--Y -- ---		
		SSID : 20		
<b>End of Procedure</b>				