

Dump of main On-board tables from SGM  
 File: H\_FCP\_DHS\_1035.xls  
 Author: cmevi-hp



## Procedure Summary

### Objectives

This procedure should be run whenever the current content of EAT, MOT, TCT and FCCT on-board tables must be checked against expected images saved as OBSM images on ground.

### Summary of Constraints

The procedure should be run with at least 150 kbit/s TM availability.

### Spacecraft Configuration

**Start of Procedure**

Type Pre-condition Here

**End of Procedure**

Type Post-condition Here

### Reference File(s)

**Input Command Sequences**

**Output Command Sequences**

HFD1035B  
 HFD1035C

### Referenced Displays

**ANDs**      **GRDs**      **SLDs**  
 ZAZAB999

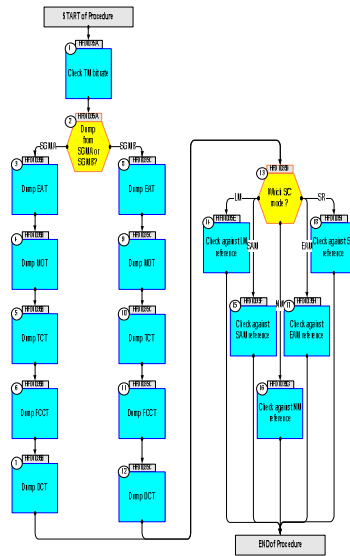
### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
17/02/09		1	Created	cmevi-hp	
20/02/09		2	Commands in EAT TC Pool Area corrected because of alignment needed.	cmevi-hp	
23/02/09	2.1	3	Dump of Decontamination heating parameters added.	cmevi-hp	

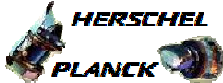

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## Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
<b>Beginning of Procedure</b>					
HFD1035A TC Seq. Name : HFD1035A ( Check TM bit rate )  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>					
1		Check TM bit rate		Next Step: 2	
		Verify Telemetry  <b>TME_BITRATE</b> <b>DEMR160</b> <b>&gt;= 150 kbit/s</b>		AND=ZAZAB999	
2		Dump from SGMA or SGMB ?  type: [Switch]		Next Step: SGMA 3 SGMB 8	
End of Sequence					
HFD1035B TC Seq. Name : HFD1035B ( Dumps from SGMA )  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>					
3		Dump EAT		Next Step: 4	
3.1		Dump EAT TC Pool			
		Execute Telecommand  <b>DumpMem_AbsAddr</b> <b>DC602180</b>  Command Parameter(s) : <b>Memory_ID</b> DH003180                 00B8 <hex> <b>Start_Address</b> DH004180                 6358 <hex> N                 DH105180                 FFFC <hex>		TC	
		TC Control Flags : <b>GBM IL DSE</b> --Y -- ---			
		Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses			
		Execute Telecommand  <b>DumpMem_AbsAddr</b> <b>DC602180</b>  Command Parameter(s) : <b>Memory_ID</b> DH003180                 00B9 <hex> <b>Start_Address</b> DH004180                 6354 <hex> N                 DH105180                 9CC <hex>		TC	
		TC Control Flags : <b>GBM IL DSE</b> --Y -- ---			
		Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
3.2		Dump EAT entries			
		Execute Telecommand <p style="text-align: right;">DumpMem_AbsAddr</p> <p style="text-align: right;">DC602180</p> Command Parameter(s) : Memory_ID      DH003180    00B9 <hex> Start_Address  DH004180    6D20 <hex> N          DH105180    7D08 <hex>  TC Control Flags : GBM IL DSE --Y -- ---  Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses		TC	
4		Dump MOT		Next Step: 5	
		Execute Telecommand <p style="text-align: right;">DumpMem_AbsAddr</p> <p style="text-align: right;">DC602180</p> Command Parameter(s) : Memory_ID      DH003180    00B9 <hex> Start_Address  DH004180    EA28 <hex> N          DH105180    5DC0 <hex>  TC Control Flags : GBM IL DSE --Y -- ---  Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses		TC	
5		Dump TCT		Next Step: 6	
		Execute Telecommand <p style="text-align: right;">DumpMem_AbsAddr</p> <p style="text-align: right;">DC602180</p> Command Parameter(s) : Memory_ID      DH003180    00BA <hex> Start_Address  DH004180    47E8 <hex> N          DH105180    21E8 <hex>  TC Control Flags : GBM IL DSE --Y -- ---  Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses		TC	
6		Dump FCCT		Next Step: 7	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID            DH003180 Start_Address        DH004180 N        DH105180 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
7		Dump DCT		Next Step: 13	
		Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID            DH003180 Start_Address        DH004180 N        DH105180 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
End of Sequence					
HFD1035C TC Seq. Name : HFD1035C ( Dumps from SGMB ) TimeTag Type: N Sub Schedule ID: □					
8		Dump EAT		Next Step: 9	
8.1		Dump EAT TC Pool			
		Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID            DH003180 Start_Address        DH004180 N        DH105180 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID      DH003180 Start_Address  DH004180 N          DH105180 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
8.2		Dump EAT entries			
		Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID      DH003180 Start_Address  DH004180 N          DH105180 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
9		Dump MOT		Next Step: 10	
		Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID      DH003180 Start_Address  DH004180 N          DH105180 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
10		Dump TCT		Next Step: 11	
		Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID      DH003180 Start_Address  DH004180 N          DH105180 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
11		Dump FCCT		Next Step: 12	
		Execute Telecommand <div style="text-align: right; margin-left: 300px;">DumpMem_AbsAddr</div> <div style="text-align: right; margin-left: 300px;">DC602180</div> Command Parameter(s) : Memory_ID        DH003180    00EA <hex> Start_Address    DH004180    69D0 <hex> N            DH105180    8C4 <hex>  TC Control Flags : <div style="text-align: right; margin-left: 300px;">GBM IL DSE</div> <div style="text-align: right; margin-left: 300px;">--Y -- ---</div> Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses		TC	
12		Dump DCT		Next Step: 13	
		Execute Telecommand <div style="text-align: right; margin-left: 300px;">DumpMem_AbsAddr</div> <div style="text-align: right; margin-left: 300px;">DC602180</div> Command Parameter(s) : Memory_ID        DH003180    00EA <hex> Start_Address    DH004180    7294 <hex> N            DH105180    94 <hex>  TC Control Flags : <div style="text-align: right; margin-left: 300px;">GBM IL DSE</div> <div style="text-align: right; margin-left: 300px;">--Y -- ---</div> Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses		TC	
End of Sequence					
TC Seq. Name : HFD1035D ( Dummy sequence )  HFD1035D  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>					
13		Which S/C mode ?  type: [Switch]		Next Step: LM 14 SAM 15 NM 16 EAM 17 SR 18	
End of Sequence					
TC Seq. Name : HFD1035E ( Check LM ref )  HFD1035E  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>					
14		Check against LM reference		Next Step: END	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		The just dumped data has to be saved as a new OBSM image in order to perform the comparison with the reference image. Only differences found in areas covered by the corresponding Memory Model are applicable for the check.			
End of Sequence					
TC Seq. Name :HFD1035F ( Check SAM ref )					
TimeTag Type: Sub Schedule ID:  □					
15		Check against SAM reference		Next Step: END	
		The just dumped data has to be saved as a new OBSM image in order to perform the comparison with the reference image. Only differences found in areas covered by the corresponding Memory Model are applicable for the check.			
End of Sequence					
TC Seq. Name :HFD1035G ( Check NM ref )					
TimeTag Type: Sub Schedule ID:  □					
16		Check against NM reference		Next Step: END	
		The just dumped data has to be saved as a new OBSM image in order to perform the comparison with the reference image. Only differences found in areas covered by the corresponding Memory Model are applicable for the check.			
End of Sequence					
TC Seq. Name :HFD1035H ( Check EAM ref )					
TimeTag Type: Sub Schedule ID:  □					
17		Check against EAM reference		Next Step: END	
		The just dumped data has to be saved as a new OBSM image in order to perform the comparison with the reference image. Only differences found in areas covered by the corresponding Memory Model are applicable for the check.			
End of Sequence					



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
TC Seq. Name : HFD1035I ( Check SR ref )  HFD1035I  TimeTag Type: Sub Schedule ID:  □					
18		Check against SR reference		Next Step: END	
		The just dumped data has to be saved as a new OBSM image in order to perform the comparison with the reference image. Only differences found in areas covered by the corresponding Memory Model are applicable for the check.			
End of Sequence					
<b>End of Procedure</b>					