



HERSCHEL / PLANCK

Generic Data Collection

H-P-1-ASP-TN-0543

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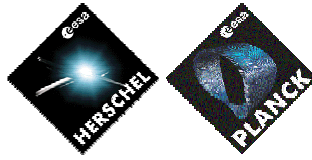


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ENREGISTREMENT DES EVOLUTIONS / CHANGE RECORDS

ISSUE	DATE	§ : DESCRIPTION DES EVOLUTIONS § : CHANGE RECORD	REDACTEUR AUTHOR
1.0	8/06/2004	Generic Data Definition inside HPSDB	S. Dos Santos
1.1	21/10/2004	<p>Add note for explanation of TC packet header GX0001000</p> <p>Chapter 1 :</p> <p style="padding-left: 20px;">Addition of a note for PSICD template relevant to SID1 and SID2 position and length for each (type, subtype) couple</p> <p style="padding-left: 20px;">Addition of a paragraph relevant to S2K identifiers for curves, command verification stage and parameter range set.</p> <p>Chapter 3.1.2</p> <p style="padding-left: 20px;">Modification of subtitle</p> <p>Chapter 3.4</p> <p style="padding-left: 20px;">Note added to explain generic CVS S2K identifier</p> <p>Chapter 3.7.6</p> <p style="padding-left: 20px;">Note added to explain generic command parameter range set S2K identifier</p> <p>Chapter 3.8</p> <p style="padding-left: 20px;">Note added to explain generic curve S2K identifier</p> <p>Note : the implementation of generic S2K identifier for curve, CVS and parameter range set have been decided during DMWG21 (20/10/04)</p> <p>Chapter 3.1.2</p> <p style="padding-left: 20px;">Updated according to PSICD 5.0 and in order to have unique PIC table</p> <p>All chapters</p> <p style="padding-left: 20px;">Minor corrections</p> <p>Chapter 3.8.1</p> <p style="padding-left: 20px;">Addition of digital curves SET / RESET and RESET / SET according to SES request</p> <p>Note : SES request for dummy TM parameters has not been included in this version. It will be in next one.</p>	F. Chatte
1.2	30/12/2004	<p>Add Spare acquisition parameters (1 to 16 bits)</p> <p>GMS01000</p> <p>GMS02000</p> <p>GMS03000</p> <p>GMS04000</p> <p>GMS05000</p> <p>GMS06000</p> <p>GMS07000</p> <p>GMS08000</p> <p>GMS09000</p> <p>GMS10000</p> <p>GMS11000</p> <p>GMS12000</p> <p>GMS13000</p>	S. Dos Santos



		<p>GMS14000 GMS15000 GMS16000</p> <p>Update the Command header parameter identifier from GBSCF000 to GBSCS000 Add the command parameters: GPABS000 (Absolute Time-Tag needed for CCS) GPSUB000 (Sub-Schedule for TTs needed for CCS) Add the command parameters: GPACT000 (Mandatory but not used in AIT. Forced to 0) GPRCD000 (RC Id identify the command to be executed on SCOE (identifies by APID) GPSTR000 (Structure Id)</p> <p>Add the TC packet GCOTT000 (Insert MTL-Telecommands in Command Schedule needed for CCS)</p>	
1.3	17/01/2005	<p>Add a TC packet Header GX001000 without header (ALS DBN 0036) (see chapter 3.2.1.2 TC Packet Header Without Header)</p> <p>Add Identifier 1 position =18 and Identifier 1 width =2 to TM PSICD packet 000TMPS003010000 (see chapter 3.1.2.8TM HK Parameter Report Definitions Report (3, 10))</p> <p>Add Identifier 1 position =18 and Identifier 1 width =2 to TM PSICD packet 000TMPS003012000 (see chapter 3.1.2.9TM Diagnostic Parameter Definition Report (3, 12))</p>	S. Dos Santos
1.4	23/05/2005	<p>Acronyms Update (see chapter 2.2 Introduction)</p> <p>Update the Pcf,Ptc attributes from the Acquisition Spare Parameters 9 bits to 16 bits (see chapter 3.7.1.9 Spare 9 – Bit)</p> <p>Add the attribute Category flag, to all items</p> <p>Add 16 Spare Acquisition parameters for software users (see 3.7.2 Acquisition Parameters (for OBSW User).)</p> <p>Update Generic curves id , to be compliant with the issue 2.2 of AD1</p> <p>Correct error on digital point of curve G000018000 (see 3.8.1.19 STOP_RUN_PAUSE)</p> <p>Add Comand verification stages</p> <ul style="list-style-type: none"> • CVS- Acceptance (see chapter 3.4.1Command verification stage-Acceptance) • CVS – Start (see chapter 3.1.2.2TM TC Acceptance Report-Failure (1, 2)) • CVS – Progress number 0 (see chapter 3.4.3Command verification stage Progress number 0) • CVS – Progress number 1 (see chapter3.4.4Command 	S. Dos Santos



		<p>verification stage Progress number 1)</p> <ul style="list-style-type: none"> • CVS – Progress number 2 (see chapter 3.4.5Command verification stage Progress number 2 • CVS – Progress number 3 (see chapter 3.4.6Command verification stage Progress number 3) • CVS – Progress number 4 (see chapter 3.4.7Command verification stage Progress number 4) • CVS – Progress number 5 (see chapter 3.4.8Command verification stage Progress number 5) • CVS – Progress number 6 (see chapter 3.4.9Command verification stage Progress number 6) • CVS – Progress number 7 (see chapter 3.4.10Command verification stage Progress number 7) • CVS – Progress number 8 (see chapter 3.4.11Command verification stage Progress number 8) • CVS – Progress number 9 (see chapter 3.4.12Command verification stage Progress number 9) • CVS – Completion (see chapter 3.4.13Command verification stage Completion) <p>Add Annex with Generic XML print</p>	
<p><u>2</u></p>	<p><u>17/11/2005</u></p>	<ul style="list-style-type: none"> • <u>Chapter 3.1.2_TM packet PSICD data , Update the field Identifier 2 position =NULL to '-1' and Identifier 2 width =NULL to '0'</u> • <u>Chapter 3.1.2.20- Update Short Description of TM PSICD Template 000TMPS008009000</u> • <u>Chapter 3.1.2.28 - Update Short Description of TM PSICD Template 000TMPS014007000</u> • <u>Chapter 3.1.2.29_TM Storage Selection Definition Report (15, 6) Update the field Identifier 1 position ='16' to '-1' and Identifier 2 width ='8' to '0'</u> • <u>Chapter 3.2.1 - TC packet header data- Correct attributes</u> • <u>Chapter 3.7.3- Add Command Header Parameter Value, and Calibration Type = N (None)</u> • <u>Chapter 3.7.3.8 – Add Command Header Parameter</u> • <u>Chapter 3.7.3.9 – Add Command Header Parameter</u> • <u>Chapter 3.7.3.10– Add Command Header Parameter</u> • <u>Chapter 3.7.3.11– Add Command Header Parameter</u> • <u>Chapter 3.7.3.12– Add Command Header Parameter</u> • <u>Chapter 3.7.3.13– Add Command Header Parameter</u> • <u>Chapter 3.7.3.14– Add Command Header Parameter</u> • <u>Chapter 3.7.3.15– Add Command Header Parameter</u> • <u>Chapter 3.7.3.10 - Update Desc of command Header parameter GBFDF000 SDesc=DFH to SDesc=DFH set to YES and LDesc=DFH to LDesc=Data Field Header Flag set to YES</u> • <u>Chapter 3.7.3.11 - Update Desc of command Header parameter GBFNF000 SDesc=DFH to SDesc=DFH set to NO and LDesc=DFH to Ldesc=Data Field Header Flag set to NO</u> • <u>Chapter 3.7.3.12- Change Long Desc of command Header parameter GBFSF000 Ldesc= Seq Flag to LDesc=Sequence Flag</u> 	<p><u>S. Dos Santos</u></p>



		<ul style="list-style-type: none"> • <u>Chapter 3.7.3.13- Change Long Desc of command Header parameter GBFSH000" Ldesc= Sec Header to LDesc=Secondary Header</u> • <u>Chapter 3.7.3.14- Change Desc of command Header parameter GBFPU000" SDesc=PUS to Sdesc=PUS Version and Ldesc= PUS to LDesc=Tc Packet PUS Version</u> • <u>Chapter 3.7.4.19- activity ID – Item name corrected</u> • <u>Chapter 3.7.5 Add User Constant Parameter</u> • <u>Chapter 3.7.4.20 – RC ident – Item corrected</u> • <u>Chapter 3.8.1.34 DETECTED/NOT DETECTED Add curve G000036000</u> • <u>Chapter 3.8.1.35 NOT DETECTED/DETECTED Add curve G000037000</u> • <u>Chapter 3.8.1.36 ARMED/DISARMED Add curve G000038000</u> • <u>Chapter 3.8.1.37 DISARMED / ARMED Add curve G000039000</u> • <u>Chapter 3.8.1.38 YES/NO Add curve G000040000</u> • <u>Chapter 3.8.1.39 NO / YES Add curve G000041000</u> • <u>Chapter 3.8.1.40 START/ STOP Add curve G000042000</u> • <u>Chapter 3.8.1.41 STOP/ START Add curve G000043000</u> • <u>Chapter 3.8.1.42 ENVIRONMENT Add curve G000044000</u> • <u>Chapter 3.8.4.1 – G000011000 – For TM only</u> • <u>Chapter 3.8.4.2 – G000012000 – For TM only</u> • <u>Update Annex 3 with Applicable XML file Generic_Data v2_11_xml</u> 	
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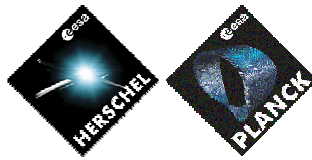
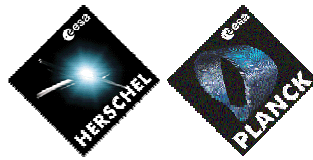
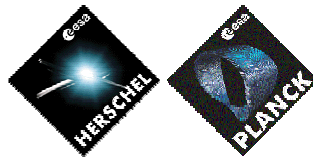


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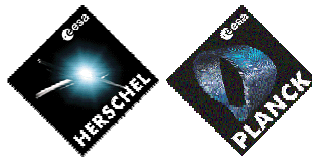
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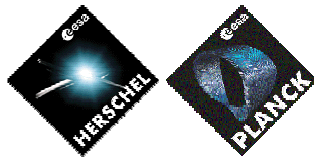
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LIST OF FIGURES AND TABLES

None



1. INTRODUCTION

This technical note has the objective to identify the generic items that shall be input on HPSDB central site by the prime company before HPSDB being available to the Users.

Generic items are the items which are not attached to an element, subsystem or model but which can be referenced by any element, subsystem or model. Those items are not instantiated, they are defined in the generic box. HPSDB supports the definition of all items as generic.

All the HPSDB Users have read access to this type of data, but only the HPSDB central site manager has write access. It's not possible to create/modify/delete generic items on a mirror site.

It is expected that all HPSDB users make use of those generic items in order to avoid unsafe duplication of items (for instance several ON / OFF curves with small differences in the way that they are implemented). In particular, reference must be made to :

- TM PSICD items
One TM PSICD item is present in generic box for each TM service type, and subtype defined on RD1 (see 3.1.2 TM packet PSICD data). There is no need to create any other TM Packet PSICD or TM Packet Standard.
Note that for TM (8,6),TM(8,7) and TM (8,9) the Function ID and the Activity ID defined on RD1 as two 8- bit parameters have been merged in an unique 16 bit parameter.
Note : the generic PSICD items contains the structure identifier 1 (SID1) and the structure identifier 2 (SID2) position and length which shall be used by all the Herschel / Planck users (refer to AD1 issue 2.2).
- Acquisition parameter items
16 Spare acquisition parameters are defined for all users except Flight Dynamic Data
16 Spare acquisition parameters are defined only for Software Users.
- User Defined constant Dynamic- One UDC is created to define the environment description.
- TC Packet Header items
Three TC packet Header are defined (see 3.2.1 TC packet header data)
 - GX000000 has to be refer to by all TC packets defined in RD1 except the standard TC (2,3)
 - GX001000 TC packet header without header (ie no entries on the pcp.dat and tcpf.dat scos tables)
 - GX002000 has to be refer to by the standard TC (2,3)Consequently there is no need to create any other TC packet header nor Command Header parameters items.
An exception to this rule can be envisaged for the testing of TC packet with TC Header rejection.
Because a wrong TC packet will not be created on a generic box.
- Command Header Parameters
15 command header parameters are defined for all users except Flight Dynamic Data
- TC Packet
Load Command on the MTL
- Command Verification stages (this is a provision mainly the delay field CVS_INTERVAL) If the field is not appropriated, the user should define their own CVS.
One command verification stage per level (Acceptance, Start, Progression 0-9, Completion) have been defined as Generic.
- Command parameter items
16 Spare command parameters are defined with value 0
5 command parameters
- Calibration Curves



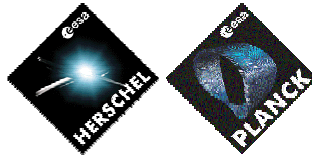
42 digital calibration curves are defined (see 3.8.1 Digital curve data)
2 polynomial calibration curves are defined (see 3.8.4 Polynomial Curves)

For the following generic items :

- Calibration curve,
- Command verification stage,
- Parameter range set

This document provides also the S2K identifier which differs from the HPSDB one due to a different format.

In addition due to S2K Command Verification Stage identifier format (integer in the range [0..65535], the HPSDB generic CVS identifier shall be in the range [000-9999], this is not controlled by HPSDB it is the user responsibility to check it.



2. APPLICABLE AND REFERENCE DOCUMENTS

2.1 Applicable documents

AD1	H-P-1-ASPI-ID-0141	Naming convention specification
AD2	H-P-1-ASPI-SP-0082	System Database Specification

2.1.1 Reference documents

RD1	SCI-PT-ICD-7527	Packet Structure Interface Control Document
RD2	H-P-1-ASPI-SP-0027	General Design and Interface Requirements
RD3	DSN 3408 02 AA	Thermistor Fenwal N 526-31-bs13-153 with ETFE wire Technical specification supply
RD4	PDS2131	Product Data Sheet Rev 6/97

2.2 Acronyms

CVS	Command Verification Stage
FDD	Flight Dynamic Data
HP	Herschel-Planck
HPSDB	Herschel / Planck System Data Base
MMI	Man Machine Interface
OBSW	OnBoard SoftWare
TBW	To be write
XML	eXtensive Markup Language

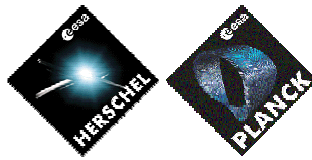
2.3 Definition

3. GENERIC ITEMS:

3.1 Telemetry:

3.1.1 TM packet standard

Field	Value
TM packet standard	000TMSD0000000
Short description	TM Packet Standard
Long description	TM Standard template <u>c</u> ommon to Herschel and Planck



3.1.2 TM packet PSICD data

3.1.2.1 TM TC Acceptance Report- Success (1, 1)

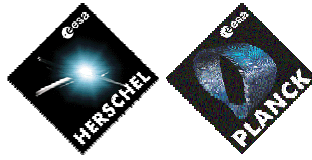
Field	Value
TM packet PSICD identifier,	000TMPS001001000
Short description,	TM_TCAccepSuccess
Long description,	Telecommand Acceptance Report – Success (<u>1_1</u>)
TM packet standard ,	000TMSD00000000
Type,	1
Subtype,	1
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.2 TM TC Acceptance Report- Failure (1, 2)

Field	Value
TM packet PSICD identifier,	000TMPS001002000
Short description,	TM_TCAccepFailure
Long description,	Telecommand Acceptance Report – Failure (<u>1_2</u>)
TM packet standard ,	000TMSD00000000
Type,	1
Subtype,	2
Identifier 1 position,	20
Identifier 1 width,	16
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

3.1.2.3 TM TC Execution Report-Started (1, 3)

Field	Value
TM packet PSICD identifier,	000TMPS001003000
Short description,	TM_TCExeStarted



Long description,	Telecommand Execution Report – Started (1_3)
TM packet standard ,	000TMSD0000000
Type,	1
Subtype,	3
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.4 TM TC Execution Report-Progress (1, 5)

Field	Value
TM packet PSICD identifier,	000TMPS001005000
Short description,	TM_TCExeProgress
Long description,	Telecommand Execution Report – Progress (1_5)
TM packet standard ,	000TMSD0000000
Type,	1
Subtype,	5
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.5 TM Execution Report-Completed (1, 7)

Field	Value
TM packet PSICD identifier,	000TMPS001007000
Short description,	TM_TCExeCompleted
Long description,	Telecommand Execution Report – Completed (1_7)
TM packet standard ,	000TMSD0000000
Type,	1
Subtype,	7
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD



3.1.2.6 TM TC Execution Report-Failure (1, 8)

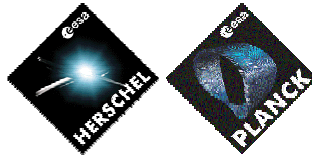
Field	Value
TM packet PSICD identifier,	000TMPS001008000
Short description,	TM_TCExeFailure
Long description,	Telecommand Execution Report – Failure (1_8)
TM packet standard ,	000TMSD0000000
Type,	1
Subtype,	8
Identifier 1 position,	20
Identifier 1 width,	16
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

3.1.2.7 TM TC Contents Report (1, 9)

Field	Value
TM packet PSICD identifier,	000TMPS001009000
Short description,	TM_TCContentsReport
Long description,	Telecommand Contents Report (1_9)
TM packet standard ,	000TMSD0000000
Type,	1
Subtype,	9
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.8 TM HK Parameter Report Definitions Report (3, 10)

Field	Value
TM packet PSICD identifier,	000TMPS003010000
Short description,	TM_ HKParameterDefReport
Long description,	HK Parameter Report Definitions Report (3_10)
TM packet standard ,	000TMSD0000000
Type,	3
Subtype,	10
Identifier 1 position,	18



Identifier 1 width,	2
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

3.1.2.9 TM Diagnostic Parameter Definition Report (3, 12)

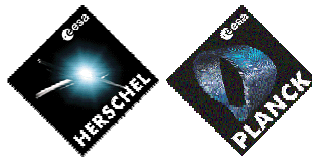
Field	Value
TM packet PSICD identifier,	000TMPS003012000
Short description,	TM_DiagnosticDefParameter
Long description,	Diagnostic Parameter Report Definition _s Report (3_12)
TM packet standard ,	000TMSD00000000
Type,	3
Subtype,	12
Identifier 1 position,	18
Identifier 1 width,	2
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

3.1.2.10 TM HK Parameter Report (3, 25)

Field	Value
TM packet PSICD identifier,	000TMPS003025000
Short description,	TM_HKParameterReport
Long description,	HK Parameter Report (3_25)
TM packet standard ,	000TMSD00000000
Type,	3
Subtype,	25
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

3.1.2.11 TM Diagnostic Parameter Report (3, 26)

Field	Value
-------	-------



TM packet PSICD identifier,	000TMPS003026000
Short description,	TM_DiagnosticParameter
Long description,	Diagnostic Parameter Report (3_26)
TM packet standard ,	000TMSD0000000
Type,	3
Subtype,	26
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

3.1.2.12 TM Event Report (5, 1)

Field	Value
TM packet PSICD identifier,	000TMPS005001000
Short description,	TM_EventReport
Long description,	Event Report (5,1)
TM packet standard ,	000TMSD0000000
Type,	5
Subtype,	1
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	18
Identifier 2 width,	16
Category flag	All except FDD

3.1.2.13 TM Exception Report (5, 2)

Field	Value
TM packet PSICD identifier,	000TMPS005002000
Short description,	TM_ExceptionReport
Long description,	Exception Report (5_2)
TM packet standard ,	000TMSD0000000
Type,	5
Subtype,	2
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	18
Identifier 2 width,	16
Category flag	All except FDD



3.1.2.14 TM Error/Alarm Report (5,4)

Field	Value
TM packet PSICD identifier,	000TMPS005004000
Short description,	TM_ErrorAlarmReport
Long description,	Error_Alarm Report (5_4)
TM packet standard ,	000TMSD00000000
Type,	5
Subtype,	4
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	18
Identifier 2 width,	16
Category flag	All except FDD

3.1.2.15 TM Memory Dump, Absolute Addresses (6, 6)

Field	Value
TM packet PSICD identifier,	000TMPS006006000
Short description,	TM_MemDumpAbsAd
Long description,	Memory Dump Absolute Addresses (6_6)
TM packet standard ,	000TMSD00000000
Type,	6
Subtype,	6
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.16 TM Memory Check Report , Absolute addresses (6, 10)

Field	Value
TM packet PSICD identifier,	000TMPS006010000
Short description,	TM_MemCheckAbsAd
Long description,	Memory Check Report Absolute <u>Addresses</u> (6_10)
TM packet standard ,	000TMSD00000000
Type,	6
Subtype,	10



Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.17 TM Function Status Report (8, 6)

Field	Value
TM packet PSICD identifier,	000TMPS008006000 *
Short description,	TM_FunctionStatus
Long description,	Function Status Report (8_6)
TM packet standard ,	000TMSD00000000
Type,	8
Subtype,	6
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	18
Identifier 2 width,	16
Category flag	All except FDD

(*)This generic definition applies if the packet contains the optional field SID. If the filed SID is not defined inside of the packet a dedicated TM Packet PSICD has to be defined. (This is not compliant with SCOS – PSICD will be modified : TBC)

3.1.2.18 TM SREM Data Report (8, 7)

Field	Value
TM packet PSICD identifier,	000TMPS008007000
Short description,	TM_SREMDataReport
Long description,	SREM Data Report (8_7)
TM packet standard ,	000TMSD00000000
Type,	8
Subtype,	7
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	18
Identifier 2 width,	16
Category flag	All except FDD

3.1.2.19 TM VMC Data Report (8, 8)

Field	Value
TM packet PSICD identifier,	000TMPS008008000
Short description,	TM_VMCDataReport



Long description,	VMCData Report (8_8)
TM packet standard ,	000TMSD0000000
Type,	8
Subtype,	8
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

3.1.2.20 TM Mass Memory Dump Report (8, 9)

Field	Value
TM packet PSICD identifier,	000TMPS008009000
Short description,	TM_MassMemDumpReport
Long description,	Mass Memory Dump Report (8_9)
TM packet standard ,	000TMSD0000000
Type,	8
Subtype,	9
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	18
Identifier 2 width,	16
Category flag	All except FDD

3.1.2.21 TM Central Time Reference (9, 8)

Field	Value
TM packet PSICD identifier,	000TMPS009008000
Short description,	TM_CentralTimeReference
Long description,	Central Time Reference (9_8)
TM packet standard ,	000TMSD0000000
Type,	9
Subtype,	8
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD



3.1.2.22 TM Time Verification Report (9, 9)

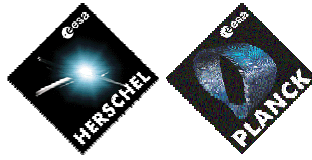
Field	Value
TM packet PSICD identifier,	000TMPS009009000
Short description,	TM_TimeVerification
Long description,	Time Verification Report (9_9)
TM packet standard ,	000TMSD00000000
Type,	9
Subtype,	9
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.23 TM Detailed Schedule Report (11, 10)

Field	Value
TM packet PSICD identifier,	000TMPS011010000
Short description,	TM_DetailedSchedule
Long description,	Detailed Schedule Report (11_10)
TM packet standard ,	000TMSD00000000
Type,	11
Subtype,	10
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.24 TM Summary Schedule Report (11, 13)

Field	Value
TM packet PSICD identifier,	000TMPS011013000
Short description,	TM_SummarySchedule
Long description,	Summary Schedule Report (11_13)
TM packet standard ,	000TMSD00000000
Type,	11
Subtype,	13
Identifier 1 position,	-1
Identifier 1 width,	0



Identifier 2 position,	
Identifier 2 width,	
Category flag	All except FDD

3.1.2.25 TM Command Schedule Status Report (11, 19)

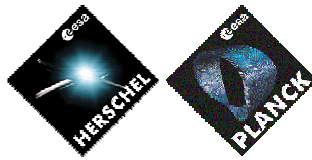
Field	Value
TM packet PSICD identifier,	000TMPS011019000
Short description,	TM_CmdScheduleStatus
Long description,	Command Schedule Status Report (11_19)
TM packet standard ,	000TMSD0000000
Type,	11
Subtype,	19
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.26 TM Current Monitoring List Report (12, 9)

Field	Value
TM packet PSICD identifier,	000TMPS012009000
Short description,	TM_CurrentMonitorList
Long description,	Current Monitoring List Report (12_9)
TM packet standard ,	000TMSD0000000
Type,	12
Subtype,	9
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.27 TM Enabled Telemetry Packets Report (14, 4)

Field	Value
TM packet PSICD identifier,	000TMPS014004000
Short description,	TM_EnabTMPacket
Long description,	Enabled Telemetry Packets Report (14_4)



TM packet standard ,	000TMSD0000000
Type,	14
Subtype,	4
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

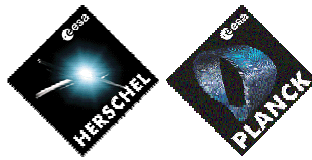
3.1.2.28 TM Packets Down-linking / Storage Status Report (14, 7)

Field	Value
TM packet PSICD identifier,	000TMPS014007000
Short description,	TM_DownLink
Long description,	TM Packets Downlink Stor Status Report (<u>14_7</u>)
TM packet standard ,	000TMSD0000000
Type,	14
Subtype,	7
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.29 TM Storage Selection Definition Report (15, 6)

Field	Value
TM packet PSICD identifier,	000TMPS015006000
Short description,	TM_StorageSelecDef
Long description,	Storage Selection Definition Report (<u>15_6</u>)
TM packet standard ,	000TMSD0000000
Type,	15
Subtype,	6
Identifier 1 position,	<u>-1</u>
Identifier 1 width,	<u>0</u>
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

3.1.2.30 TM Packet Stores Catalogue Report (15, 13)



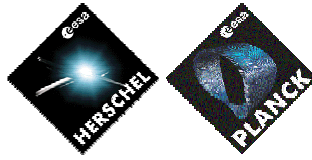
Field	Value
TM packet PSICD identifier,	000TMPS015013000
Short description,	TM_PacketStoresCatalogue
Long description,	Packet Stores Catalogue Report (15_13)
TM packet standard ,	000TMSD0000000
Type,	15
Subtype,	13
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.31 TM Connection Test Report (17, 2)

Field	Value
TM packet PSICD identifier,	000TMPS017002000
Short description,	TM_ConnectionTest
Long description,	Connection Test Report (17_2)
TM packet standard ,	000TMSD0000000
Type,	17
Subtype,	2
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.32 TM On-Board Control Procedures List Report (18, 9)

Field	Value
TM packet PSICD identifier,	000TMPS018009000
Short description,	TM_OnBoardCtProc
Long description,	On-Board Control Procedures List Report (18_9)
TM packet standard ,	000TMSD0000000
Type,	18
Subtype,	9
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD



3.1.2.33 TM Active OBCPs List Report (18, 11)

Field	Value
TM packet PSICD identifier,	000TMPS018011000
Short description,	TM_ActiveOBCPList
Long description,	Active OBCPs List Report (18_11)
TM packet standard ,	000TMSD0000000
Type,	18
Subtype,	11
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.34 TM OBCP Status Report (18, 13)

Field	Value
TM packet PSICD identifier,	000TMPS018013000
Short description,	TM_OBCPStatus
Long description,	OBCP Status Report (18_13)
TM packet standard ,	000TMSD0000000
Type,	18
Subtype,	13
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.35 TM OBCP Contents Report (18, 15)

Field	Value
TM packet PSICD identifier,	000TMPS018015000
Short description,	TM_OBCPContents
Long description,	OBCP Contents Report (18_15)
TM packet standard ,	000TMSD0000000
Type,	18
Subtype,	15
Identifier 1 position,	-1
Identifier 1 width,	0



Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.36 TM Event Detection List Report (19, 7)

Field	Value
TM packet PSICD identifier,	000TMPS019007000
Short description,	TM_EventDeteclist
Long description,	Event Detection List Report (19_ <u>7</u>)
TM packet standard ,	000TMSD0000000
Type,	19
Subtype,	7
Identifier 1 position,	-1
Identifier 1 width,	0
Identifier 2 position,	<u>-1</u>
Identifier 2 width,	<u>0</u>
Category flag	All except FDD

3.1.2.37 TM Nominal Science Data Report (21, 1)

Field	Value
TM packet PSICD identifier,	000TMPS021001000
Short description,	TM_NominalScienceData
Long description,	Nominal Science Data Report (21_ <u>1</u>)
TM packet standard ,	000TMSD0000000
Type,	21
Subtype,	1
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

Note: no structure identifier extracted as far as it is science data.

3.1.2.38 TM Science Type B Data Report (21, 2)

Field	Value
TM packet PSICD identifier,	000TMPS021002000
Short description,	TM_ScienceTypeBData



Long description,	Science Type B Data Report (21_2)
TM packet standard ,	000TMSD0000000
Type,	21
Subtype,	2
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

Note: no structure identifier extracted as far as it is science data.

3.1.2.39 TM Diagnostic Science Data Report (21, 3)

Field	Value
TM packet PSICD identifier,	000TMPS021003000
Short description,	TM_DiagScienceData
Long description,	Diagnostic Science Data Report (21_3)
TM packet standard ,	000TMSD0000000
Type,	21
Subtype,	3
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

Note: no structure identifier extracted as far as it is science data.

3.1.2.40 TM Auxiliary Science Data Report (21, 4)

Field	Value
TM packet PSICD identifier,	000TMPS021004000
Short description,	TM_AuxScienceData
Long description,	Auxiliary Science Data Report (21_4)
TM packet standard ,	000TMSD0000000
Type,	21
Subtype,	4
Identifier 1 position,	16
Identifier 1 width,	16
Identifier 2 position,	-1
Identifier 2 width,	0
Category flag	All except FDD

Note: no structure identifier extracted as far as it is science data.



3.1.3 TM Packet Data

Not identified

3.1.4 TM Packet SCOS archiving

TBW. Waiting for clarification with ALS & Terma

3.1.5 TM structure data

Not identified

3.1.6 TM packet group data

Not identified

3.2 Telecommands

3.2.1 TC packet header data

Two TC packet headers are defined for the Herschel Planck project :

3.2.1.1 TC Packet Header With Data Field Header

Field	Value
TC packet header identifier	GX000000
Short description	TC_PacketHeader_DFHi1
Long description	TC Packet Header with Data field Header (DFH=1)
Category flag	All except FDD
List of parameter :	
Bit offset,	<u>0</u>
<u>Command Header Parameter</u>	<u>GBFVN000</u>
Bit offset,	<u>3</u>
<u>Command Header Parameter</u>	<u>GBFTY000</u>
Bit offset,	<u>4</u>
<u>Command Header Parameter</u>	<u>GBFDF000</u>
Bit offset,	<u>5</u>
<u>Command Header Parameter</u>	<u>GBAPD000</u>
Bit offset,	<u>16</u>
<u>Command Header Parameter</u>	<u>GBFSF000</u>
Bit offset,	<u>18</u>
<u>Command Header Parameter</u>	<u>GBSCT000</u>
Bit offset,	<u>21</u>
<u>Command Header Parameter</u>	<u>GBSCS000</u>
Bit offset,	<u>32</u>
<u>Command Header Parameter</u>	<u>GBLEN000</u>



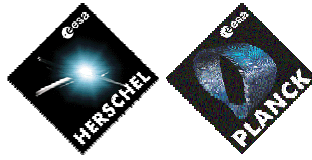
<u>Bit offset,</u>	<u>48</u>
<u>Command Header Parameter</u>	<u>GBFSH000</u>
<u>Bit offset,</u>	<u>49</u>
<u>Command Header Parameter</u>	<u>GBFPU000</u>
<u>Bit offset,</u>	<u>52</u>
<u>Command Header Parameter</u>	<u>GBACK000</u>
<u>Bit offset,</u>	<u>56</u>
<u>Command Header Parameter</u>	<u>GBTYP000</u>
<u>Bit offset,</u>	<u>64</u>
<u>Command Header Parameter</u>	<u>GBSTY000</u>
<u>Bit offset,</u>	<u>72</u>
<u>Command Header Parameter</u>	<u>GBFS8000</u>

3.2.1.2 TC Packet Header Without Header

Field	Value
TC packet header identifier	GX001000
Short description	TC_Header_Without_Header
Long description	TC Packet Header without Header
Category flag	All except FDD

3.2.1.3 TC Packet Header Without Data Field Header

Field	Value
TC packet header identifier	GX002000
Short description	TC_PacketHeader_DFHis0
Long description	TC Packet Header without Data Field Header (DFH=0)
Category flag	All except FDD
List of parameter :	
<u>Bit offset,</u>	<u>0</u>
<u>Command Header Parameter</u>	<u>GBFVN000</u>
<u>Bit offset,</u>	<u>3</u>
<u>Command Header Parameter</u>	<u>GBFTY000</u>
<u>Bit offset,</u>	<u>4</u>
<u>Command Header Parameter</u>	<u>GBFNF000</u>
<u>Bit offset,</u>	<u>5</u>
<u>Command Header Parameter</u>	<u>GBAPD000</u>
<u>Bit offset,</u>	<u>16</u>
<u>Command Header Parameter</u>	<u>GBFSF000</u>



<u>Bit offset,</u>	<u>18</u>
<u>Command Header Parameter</u>	<u>GBSCT000</u>
<u>Bit offset,</u>	<u>21</u>
<u>Command Header Parameter</u>	<u>GBSCS000</u>
<u>Bit offset,</u>	<u>32</u>
<u>Command Header Parameter</u>	<u>GBLEN000</u>

Note:

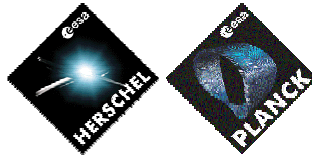
For TC packet type = 2, subtype = 3 and ,APID=0, and MAPID =0, the TC packet header to be used is GX0002000 (ie with data field header flag set to 0 : no data field header)

For TC packet type = 2, subtype = 3 and ,APID=16, and MAPID =1, the TC packet header to be used is GX0000000 (ie with data field header flag set to 1 : existing data field header)

3.2.2 TC packet data

3.2.2.1 Load Command on the MTL

Field	Value
TC packet identifier	GCOTT000
Short description	Load Command on the MTL
Long description	Insert MTL-Telecommands in Command Schedule
Category flag	All except FDD
Reason of change	Generic Data
APID category	16
High priority flag,	-
MAP identifier (0,1,2,32),	1
Type,	11
Sub type,	4
Acknowledgement- Acceptance	No
Acknowledgement- Start	No
Acknowledgement- Progress	No
Acknowledgement- Completion	No
Command type (N/R/F/S/"Null")	N (Normal)
<u>Critical</u> (Y/N)	-
Identifier of redundant generic or element telecommand	-
Identifier of complementary generic or element telecommand	-
TC packet header identifier	GX000000
List of command verification stage	
Generic or element command verification stage identifier	-
List of element TC or command parameter structures / command parameters / fixed areas	
Selector- Generic or element Command parameter identifier	-
Selector- Value radix (H/D),	-
Selector- Raw value	-
Type (structure, parameter or fixed area)	-



Generic or Element TC or command parameter structure identifier / Generic or element command parameter identifier / fixed area description	GPABS000
Offset byte of the structure / parameter / fixed area field within the packet data field,	0
Start bit of the parameter / fixed area field within offset byte (N/A for theoretical structure)	0
For structure only :	-
Number of times the element structure / parameter is repeated in the packet (0 for variable packet length),	-
Generic or element command parameter identifier as counter or dummy counter	-
Value of counter or dummy counter	-
For parameter only	-
Editable flag	E
Value representation	Raw
Value - Constant or value flag	Value
Value - Constant identifier	-
Value - Value	-
Generic or element monitoring parameter identifier	-
Number of occurrences (by default 1)	1
Number of bits between two occurrences	-
For fixed area only	-
Field length- Constant or value flag	-
Field length- Generic or element constant identifier	-
Field length- Value	-
Selector- Generic or element Command parameter identifier	-
Selector- Value radix (H/D),	-
Selector- Raw value	-
Type (structure, parameter or fixed area)	-
Generic or Element TC or command parameter structure identifier / Generic or element command parameter identifier / fixed area description	GPSUB000
Offset byte of the structure / parameter / fixed area field within the packet data field,	0
Start bit of the parameter / fixed area field within offset byte (N/A for theoretical structure)	0
For structure only :	-
Number of times the element structure / parameter is repeated in the packet (0 for variable packet length),	-
Generic or element command parameter identifier as counter or dummy counter	-
Value of counter or dummy counter	-
For parameter only	-
Editable flag	E
Value representation	Raw
Value - Constant or value flag	Value
Value - Constant identifier	-
Value - Value	-
Generic or element monitoring parameter identifier	-



Number of occurrences (by default 1)	1
Number of bits between two occurrences	-
For fixed area only	-
Field length- Constant or value flag	-
Field length- Generic or element constant identifier	-
Field length- Value	-
List of associated generic or element parameters sets	-
Generic or element parameter set identifier	-
default generic or element parameter value set identifier	-
Default sub schedule identifier	-
Sending pre-conditions- Generic or element monitoring Parameter identifier	-
Sending pre-conditions - Value representation (E/R),	-
Sending pre-conditions – Value- Constant or value flag	-
Sending pre-conditions – Value- Generic or element constant identifier	-
Sending pre-conditions – Value- Value	-
Planification type (A/F/S/N)	N (None)
Executable elementary command (N/Y),	-
Interlock scope (G/L/S/N),	No interlock
Interlock stage (R/U/O/A/C)	Completion
Forbidden flag,	-
CDMU software initialisation flag	-
ACC software initialisation flag	-

3.2.3 TC structure data

Not identified

3.2.4 TC packet group data

Not identified

3.3 Command Sequences

3.3.1 Command Sequences

Not identified



3.4 Command verification stage

Note : in case generic command verification are defined, the SCOS 2000 identifiers shall be equal to the element command verification stage identifier plus 10000. (For instance the generic CVS 071000000, on SCOS 200 files shall be 11000)

3.4.1 Command verification stage- Acceptance

Field	Value
CVS identifier	071000000
Short description	Acceptance
Long description	Acceptance Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	10
Stage Type	A
Source	R

3.4.2 Command verification stage Start

Field	Value
CVS identifier	07010000
Short description	Start
Long description	Start Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	20
Stage Type	S
Source	R

3.4.3 Command verification stage Progress number 0

Field	Value
CVS identifier	070000000
Short description	Progress Number 0
Long description	Progress Number 0 Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	30
Stage Type	0
Source	R



3.4.4 Command verification stage Progress number 1

Field	Value
CVS identifier	070010000
Short description	Progress Number 1
Long description	Progress Number 1 Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	30
Stage Type	1
Source	R

3.4.5 Command verification stage Progress number 2

Field	Value
CVS identifier	070020000
Short description	Progress Number 2
Long description	Progress Number 2 Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	35
Stage Type	2
Source	R

3.4.6 Command verification stage Progress number 3

Field	Value
CVS identifier	070030000
Short description	Progress Number 3
Long description	Progress Number 3 Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	35
Stage Type	3
Source	R

3.4.7 Command verification stage Progress number 4

Field	Value
CVS identifier	070040000
Short description	Progress Number 4
Long description	Progress Number 4 Command Verification Stage
Category flag	All except FDD



Delta time	0
Interval	40
Stage Type	4
Source	R

3.4.8 Command verification stage Progress number 5

Field	Value
CVS identifier	070050000
Short description	Progress Number 5
Long description	Progress Number 5 Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	40
Stage Type	5
Source	R

3.4.9 Command verification stage Progress number 6

Field	Value
CVS identifier	070060000
Short description	Progress Number 6
Long description	Progress Number 6 Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	45
Stage Type	6
Source	R

3.4.10 Command verification stage Progress number 7

Field	Value
CVS identifier	070070000
Short description	Progress Number 7
Long description	Progress Number 7 Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	45
Stage Type	7
Source	R



3.4.11 Command verification stage Progress number 8

Field	Value
CVS identifier	070080000
Short description	Progress Number 8
Long description	Progress Number 8 Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	50
Stage Type	8
Source	R

3.4.12 Command verification stage Progress number 9

Field	Value
CVS identifier	070090000
Short description	Progress Number 9
Long description	Progress Number 9 Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	50
Stage Type	9
Source	R

3.4.13 Command verification stage Completion

Field	Value
CVS identifier	070001000
Short description	Completion
Long description	Completion Command Verification Stage
Category flag	All except FDD
Delta time	0
Interval	60
Stage Type	C
Source	R

3.5 1553 Messages

3.5.1 Command word

Not identified



3.5.2 1553 Status word data

Not identified

3.5.3 1553 Message data

Not identified

3.5.4 1553 Acquisition command link

Not identified

3.5.5 1553 Structure

Not identified

3.5.6 1553 Message group data

Not identified

3.6 OBDH

3.6.1 OBDH interrogation

Not identified

3.6.2 OBDH acquisition command link

Not identified

3.6.3 OBDH interrogation group data

Not identified

3.7 Parameters

3.7.1 Acquisition Parameters (All except and FDD)

3.7.1.1 Spare 1 – Bit

Field	Value
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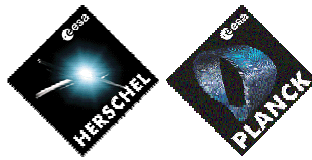
Field	Value
Item name	GMS01000
Short description	SPARE_1_BIT
Long Description	Spare 1 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	1
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-



Field	Value
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.2 Spare 2 – Bit

Field	Value
Item name	GMS02000
Short description	SPARE_2_BIT
Long Description	Spare 2 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-



Field	Value
PTC	2
PFC	2
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.3 Spare 3 – Bit

Field	Value
Item name	GMS03000
Short description	SPARE_3_BIT
Long Description	Spare 3 bits



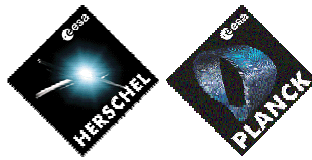
Field	Value
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	3
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-



Field	Value
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.4 Spare 4 – Bit

Field	Value
Item name	GMS04000
Short description	SPARE_4_BIT
Long Description	Spare 4 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	4
Calibration Category	-



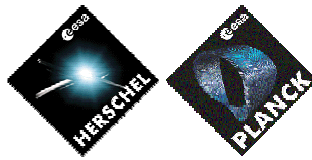
Field	Value
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.5 Spare 5 – Bit

Field	Value
Item name	GMS05000
Short description	SPARE_5_BIT
Long Description	Spare 5 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter



Field	Value
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	5
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-



Field	Value
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.6 Spare 6 – Bit

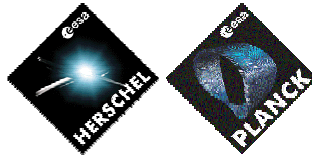
Field	Value
Item name	GMS06000
Short description	SPARE_6_BIT
Long Description	Spare 6 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	6
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-



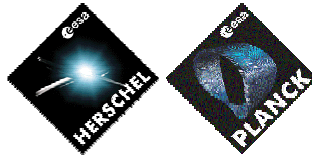
Field	Value
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.7 Spare 7 – Bit

Field	Value
Item name	GMS07000
Short description	SPARE_7_BIT
Long Description	Spare 7 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-



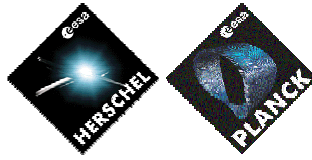
Field	Value
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	7
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-



Field	Value
Low Limit	-
Hight limit	-

3.7.1.8 Spare 8 – Bit

Field	Value
Item name	GMS08000
Short description	SPARE_8_BIT
Long Description	Spare 8 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Row or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	8
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-



Field	Value
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.9 Spare 9 – Bit

Field	Value
Item name	GMS09000
Short description	SPARE_9_BIT
Long Description	Spare 9 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-

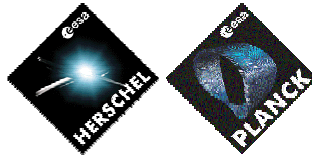


Field	Value
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	5
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-



3.7.1.10 Spare 10 – Bit

Field	Value
Item name	GMS10000
Short description	SPARE_10_BIT
Long Description	Spare 10 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	6
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-



Field	Value
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.11 Spare 11 – Bit

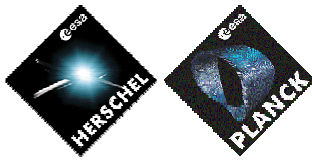
Field	Value
Item name	GMS11000
Short description	SPARE_11_BIT
Long Description	Spare 11 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-



Field	Value
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	7
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.12 Spare 12 – Bit

Field	Value
Item name	GMS12000



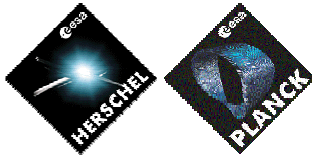
Field	Value
Short description	SPARE_12_BIT
Long Description	Spare 12 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	8
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-



Field	Value
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.13 Spare 13 – Bit

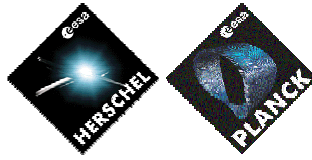
Field	Value
Item name	GMS13000
Short description	SPARE_13_BIT
Long Description	Spare 13 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3



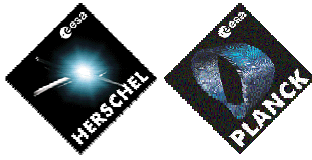
Field	Value
PFC	9
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.14 Spare 14 – Bit

Field	Value
Item name	GMS14000
Short description	SPARE_14_BIT
Long Description	Spare 14 bits
Category flag	All except FDD



Field	Value
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Row or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	10
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Row or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-



Field	Value
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.15 Spare 15 – Bit

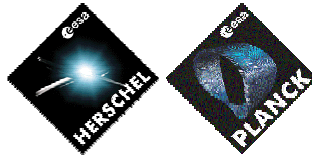
Field	Value
Item name	GMS15000
Short description	SPARE_15_BIT
Long Description	Spare 15 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	11
Calibration Category	-
Units	-



Field	Value
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.1.16 Spare 16 – Bit

Field	Value
Item name	GMS16000
Short description	SPARE_16_BIT
Long Description	Spare 16 bits
Category flag	All except FDD
Reason of change	Generic Data
Parameter Type	Acquisition Parameter
On-board Parameter identifier	-



Field	Value
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Row or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	12
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Row or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Row or engineering flag	-
Condition Parameter value	-



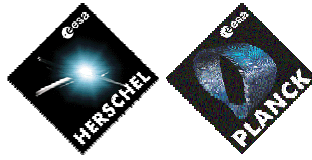
Field	Value
Type	-
Low Limit	-
Hight limit	-

3.7.2 Acquisition Parameters (for OBSW User)

16 Spare parameters have been created for OBSW users, because of their need of having more than once the same spare parameter (not supper commutated) inside of the same SCOS TM packet . As SCOS 2000 does not allows this, those 16 spare parameters are not generated by HPSDB on the SCOS /CCS bridge files (but the user can see them on the XML print, and on the HPSDB MMI)

3.7.2.1 OBSW Spare 1 – Bit

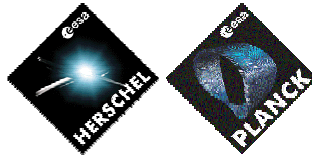
Field	Value
Item name	GES01000
Short description	OBSWSPAR_1_BIT
Long Description	OBSW Spare 1 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	<u>Software Acquisition Parameters</u>
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	1
Calibration Category	-



Field	Value
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.2.2 OBSW Spare 2 – Bit

Field	Value
Item name	GES02000
Short description	OBSWSPAR_2_BIT
Long Description	OBSW Spare 2 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	<u>Software Acquisition Parameters</u>



Field	Value
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	2
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-



Field	Value
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.2.3 OBSW Spare 3 – Bit

Field	Value
Item name	GES03000
Short description	OBSWSPAR_3_BIT
Long Description	OBSW Spare 3 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	Software Acquisition Parameters
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	3
Calibration Category	-
Units	-
Calibration curve-Type	-



Field	Value
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.2.4 OBSW Spare 4 – Bit

Field	Value
Item name	GES04000
Short description	OBSWSPAR_4_BIT
Long Description	OBSW Spare 4 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	<u>Software Acquisition Parameters</u>
On-board Parameter identifier	-



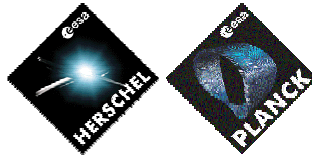
Field	Value
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	4
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-



Field	Value
Type	-
Low Limit	-
Hight limit	-

3.7.2.5 OBSW Spare 5 – Bit

Field	Value
Item name	GES05000
Short description	OBSWSPAR_5_BIT
Long Description	OBSW Spare 5 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	Software Acquisition Parameters
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	5
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-



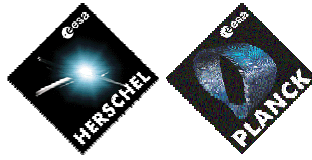
Field	Value
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.2.6 OBSW Spare 6 – Bit

Field	Value
Item name	GES06000
Short description	OBSWSPAR_6_BIT
Long Description	OBSW Spare 6 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	<u>Software Acquisition Parameters</u>
On-board Parameter identifier	-
Padded width	-



Field	Value
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	6
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-



Field	Value
Low Limit	-
Hight limit	-

3.7.2.7 OBSW Spare 7 – Bit

Field	Value
Item name	GES07000
Short description	OBSWSPAR_7_BIT
Long Description	OBSW Spare 7 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	Software Acquisition Parameters
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	7
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-



Field	Value
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.2.8 OBSW Spare 8 – Bit

Field	Value
Item name	GES08000
Short description	OBSWSPAR_8_BIT
Long Description	OBSW Spare 8 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	Software Acquisition Parameters
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-



Field	Value
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	2
PFC	8
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-



3.7.2.9 OBSW Spare 9 – Bit

Field	Value
Item name	GES09000
Short description	OBSWSPAR_9_BIT
Long Description	OBSW Spare 9 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	<u>Software Acquisition Parameters</u>
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	5
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-



Field	Value
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.2.10 OBSW Spare 10 – Bit

Field	Value
Item name	GES10000
Short description	OBSWSPAR_10_BIT
Long Description	OBSW Spare 10 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	Software Acquisition Parameters
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-



Field	Value
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	6
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-



3.7.2.11 OBSW Spare 11 – Bit

Field	Value
Item name	GES11000
Short description	OBSWSPAR_11_BIT
Long Description	OBSW Spare 11 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	<u>Software Acquisition Parameters</u>
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	7
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-



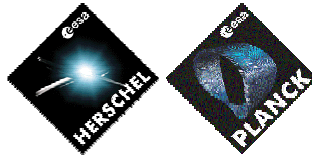
Field	Value
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.2.12 OBSW Spare 12 – Bit

Field	Value
Item name	GES12000
Short description	OBSWSPAR_12_BIT
Long Description	OBSW Spare 12 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	Software Acquisition Parameters
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-



Field	Value
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	8
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-



3.7.2.13 OBSW Spare 13 – Bit

Field	Value
Item name	GES13000
Short description	OBSWSPAR_13_BIT
Long Description	OBSW Spare 13 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	<u>Software Acquisition Parameters</u>
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	9
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-



Field	Value
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.2.14 OBSW Spare 14 – Bit

Field	Value
Item name	GES14000
Short description	OBSWSPAR_14_BIT
Long Description	OBSW Spare 1 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	Software Acquisition Parameters
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-



Field	Value
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	10
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-



3.7.2.15 OBSW Spare 15 – Bit

Field	Value
Item name	GES15000
Short description	OBSWSPAR_15_BIT
Long Description	OBSW Spare 15 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	<u>Software Acquisition Parameters</u>
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	11
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-



Field	Value
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-

3.7.2.16 OBSW Spare 16 – Bit

Field	Value
Item name	GES16000
Short description	OBSWSPAR_16_BIT
Long Description	OBSW Spare 16 bit
Category flag	OBSW
Reason of change	Generic Data
Parameter Type	Software Acquisition Parameters
On-board Parameter identifier	-
Padded width	-
Daughter Parameter id	-
Daughter Parameter Location	-
Related Parameter	-
Validity Condition-Parameter identifier	-



Field	Value
Validity Condition-Raw or engineering value flag	-
Validity Condition-Radix	-
Binary Conversion	-
PTC	3
PFC	12
Calibration Category	-
Units	-
Calibration curve-Type	-
Calibration curve identifier	-
Has Limit Calibration	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-



3.7.3 Command Header Parameters

3.7.3.1 APID

Field	Value
Item name	GBAPD000
Short description	APID
Long Description	Packet APID
Reason of change	Generic Data
Parameter Type	Command Header Parameter
Parameter Type -Type	A
Parameter Type -Value	<u>0</u>
Parameter Type -Raw Radix	D
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	3
PFC	7
Calibration Category	<u>N</u>
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-



Field	Value
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.3.2 Sequence Count Source Part

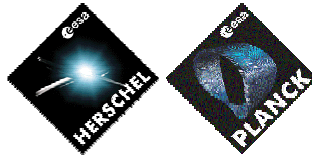
Field	Value
Item name	GBSCT000
Short description	Seq Count - Source
Long Description	Sequence Count - Source Part
Reason of change	Generic Data
Parameter Type	Command Header Parameter
Parameter Type -Type	P
Parameter Type -Value	<u>0</u>
Parameter Type -Raw Radix	D
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	3
Calibration Category	<u>N</u>
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-



Field	Value
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.3.3 Sequence Count Sequence Part

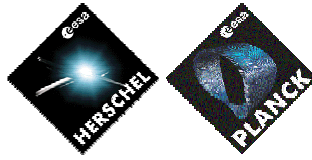
Field	Value
Item name	GBSCS000
Short description	Seq Count - Seq
Long Description	Sequence Count – Sequence Part
Reason of change	Generic Data
Parameter Type	Command Header Parameter
Parameter Type -Type	P
Parameter Type -Value	<u>0</u>
Parameter Type –Raw Radix	D
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	3
PFC	7



Field	Value
Calibration Category	<u>N</u>
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.3.4 Packet Length

Field	Value
Item name	GBLEN000
Short description	Packet Length
Long Description	Packet Length
Reason of change	Generic Data
Parameter Type	Command Header Parameter



Field	Value
Parameter Type -Type	P
Parameter Type -Value	<u>0</u>
Parameter Type -Raw Radix	D
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	3
PFC	12
Calibration Category	<u>N</u>
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-



Field	Value
Category flag	All except FDD

3.7.3.5 Acknowledgement flags

Field	Value
Item name	GBACK000
Short description	Ack
Long Description	Acknowledgement
Reason of change	Generic Data
Parameter Type	Command Header Parameter
Parameter Type -Type	K
Parameter Type -Value	<u>0</u>
Parameter Type -Raw Radix	D
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	4
Calibration Category	<u>N</u>
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-



Field	Value
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.3.6 Packet Type

Field	Value
Item name	GBTYP000
Short description	Packet Type
Long Description	Packet Type
Reason of change	Generic Data
Parameter Type	Command Header Parameter
Parameter Type -Type	T
Parameter Type -Value	<u>0</u>
Parameter Type -Raw Radix	D
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	8
Calibration Category	<u>N</u>



Field	Value
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.3.7 Packet Subtype

Field	Value
Item name	GBSTY000
Short description	Packet Subtype
Long Description	Packet Subtype
Reason of change	Generic Data
Parameter Type	Command Header Parameter
Parameter Type -Type	S
Parameter Type -Value	<u>0</u>

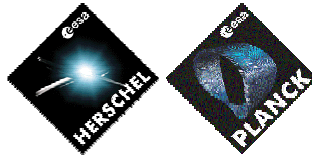


Field	Value
Parameter Type -Raw Radix	D
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	8
Calibration Category	<u>N</u>
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD



3.7.3.8 Version Number

<u>Field</u>	<u>Value</u>
<u>Item name</u>	<u>GBFVN000</u>
<u>Short description</u>	<u>Version Number</u>
<u>Long Description</u>	<u>Version Number</u>
<u>Reason of change</u>	<u>Generic Data</u>
<u>Parameter Type</u>	<u>Command Header Parameter</u>
<u>Parameter Type -Type</u>	<u>F</u>
<u>Parameter Type -Value</u>	<u>0</u>
<u>Parameter Type -Raw Radix</u>	<u>D</u>
<u>Validity Condition</u>	<u>=</u>
<u>Validity Condition -Parameter identifier</u>	<u>=</u>
<u>Validity Condition -Raw or engineering value flag</u>	<u>=</u>
<u>Validity Condition -Parameter Value</u>	<u>=</u>
<u>Binary Conversion</u>	<u>=</u>
<u>PTC</u>	<u>2</u>
<u>PFC</u>	<u>3</u>
<u>Calibration Category</u>	<u>N</u>
<u>Units</u>	<u>=</u>
<u>Default Calibration curve-Type</u>	<u>=</u>
<u>Calibration curve identifier</u>	<u>=</u>
<u>Ordered list of condition for calibration curve selection</u>	<u>=</u>
<u>Order</u>	<u>=</u>
<u>Condition parameter</u>	<u>=</u>
<u>Condition Raw or engineering flag</u>	<u>=</u>
<u>Condition Radix</u>	<u>=</u>
<u>Condition value</u>	<u>=</u>
<u>Curve Subtype</u>	<u>=</u>
<u>Calibration curve identifier</u>	<u>=</u>
<u>Limit calibration</u>	<u>=</u>
<u>Maximum number of over-limit occurrences acceptable</u>	<u>=</u>
<u>List of limits</u>	<u>=</u>



<u>Field</u>	<u>Value</u>
<u>Order</u>	=
<u>Condition Parameter</u>	=
<u>Condition Raw or engineering flag</u>	=
<u>Condition Parameter value</u>	=
<u>Type</u>	=
<u>Low Limit</u>	=
<u>Hight limit</u>	=
<u>Category flag</u>	<u>All except FDD</u>

3.7.3.9 Type

<u>Field</u>	<u>Value</u>
<u>Item name</u>	<u>GBFTY000</u>
<u>Short description</u>	<u>Type</u>
<u>Long Description</u>	<u>Type</u>
<u>Reason of change</u>	<u>Generic Data</u>
<u>Parameter Type</u>	<u>Command Header Parameter</u>
<u>Parameter Type -Type</u>	<u>E</u>
<u>Parameter Type -Value</u>	<u>1</u>
<u>Parameter Type -Raw Radix</u>	<u>D</u>
<u>Validity Condition</u>	=
<u>Validity Condition -Parameter identifier</u>	=
<u>Validity Condition -Raw or engineering value flag</u>	=
<u>Validity Condition -Parameter Value</u>	=
<u>Binary Conversion</u>	=
<u>PTC</u>	<u>2</u>
<u>PFC</u>	<u>1</u>
<u>Calibration Category</u>	<u>N</u>
<u>Units</u>	=
<u>Default Calibration curve-Type</u>	=
<u>Calibration curve identifier</u>	=
<u>Ordered list of condition for calibration curve selection</u>	=



<u>Field</u>	<u>Value</u>
<u>Order</u>	=
<u>Condition parameter</u>	=
<u>Condition Raw or engineering flag</u>	=
<u>Condition Radix</u>	=
<u>Condition value</u>	=
<u>Curve Subtype</u>	=
<u>Calibration curve identifier</u>	=
<u>Limit calibration</u>	=
<u>Maximum number of over-limit occurrences acceptable</u>	=
<u>List of limits</u>	=
<u>Order</u>	=
<u>Condition Parameter</u>	=
<u>Condition Raw or engineering flag</u>	=
<u>Condition Parameter value</u>	=
<u>Type</u>	=
<u>Low Limit</u>	=
<u>Hight limit</u>	=
<u>Category flag</u>	<u>All except FDD</u>

3.7.3.10 Data Field Header Flag set to YES

<u>Field</u>	<u>Value</u>
<u>Item name</u>	<u>GBFDF000</u>
<u>Short description</u>	<u>DFH set to YES</u>
<u>Long Description</u>	<u>Data Field Header Flag set to YES</u>
<u>Reason of change</u>	<u>Generic Data</u>
<u>Parameter Type</u>	<u>Command Header Parameter</u>
<u>Parameter Type -Type</u>	<u>F</u>
<u>Parameter Type -Value</u>	<u>1</u>
<u>Parameter Type -Raw Radix</u>	<u>D</u>
<u>Validity Condition</u>	=
<u>Validity Condition -Parameter identifier</u>	=



<u>Field</u>	<u>Value</u>
<u>Validity Condition -Raw or engineering value flag</u>	=
<u>Validity Condition -Parameter Value</u>	=
<u>Binary Conversion</u>	=
<u>PTC</u>	<u>2</u>
<u>PFC</u>	<u>1</u>
<u>Calibration Category</u>	<u>N</u>
<u>Units</u>	=
<u>Default Calibration curve-Type</u>	=
<u>Calibration curve identifier</u>	=
<u>Ordered list of condition for calibration curve selection</u>	=
<u>Order</u>	=
<u>Condition parameter</u>	=
<u>Condition Raw or engineering flag</u>	=
<u>Condition Radix</u>	=
<u>Condition value</u>	=
<u>Curve Subtype</u>	=
<u>Calibration curve identifier</u>	=
<u>Limit calibration</u>	=
<u>Maximum number of over-limit occurrences acceptable</u>	=
<u>List of limits</u>	=
<u>Order</u>	=
<u>Condition Parameter</u>	=
<u>Condition Raw or engineering flag</u>	=
<u>Condition Parameter value</u>	=
<u>Type</u>	=
<u>Low Limit</u>	=
<u>Hight limit</u>	=
<u>Category flag</u>	<u>All except FDD</u>

3.7.3.11 Data Field Header Flag set to NO

<u>Field</u>	<u>Value</u>
--------------	--------------



<u>Field</u>	<u>Value</u>
<u>Item name</u>	<u>GBFNF000</u>
<u>Short description</u>	<u>DFH set to NO</u>
<u>Long Description</u>	<u>Data Field Header Flag set to NO</u>
<u>Reason of change</u>	<u>Generic Data</u>
<u>Parameter Type</u>	<u>Command Header Parameter</u>
<u>Parameter Type -Type</u>	<u>F</u>
<u>Parameter Type -Value</u>	<u>0</u>
<u>Parameter Type -Raw Radix</u>	<u>D</u>
<u>Validity Condition</u>	<u>=</u>
<u>Validity Condition -Parameter identifier</u>	<u>=</u>
<u>Validity Condition -Raw or engineering value flag</u>	<u>=</u>
<u>Validity Condition -Parameter Value</u>	<u>=</u>
<u>Binary Conversion</u>	<u>=</u>
<u>PTC</u>	<u>2</u>
<u>PFC</u>	<u>1</u>
<u>Calibration Category</u>	<u>N</u>
<u>Units</u>	<u>=</u>
<u>Default Calibration curve-Type</u>	<u>=</u>
<u>Calibration curve identifier</u>	<u>=</u>
<u>Ordered list of condition for calibration curve selection</u>	<u>=</u>
<u>Order</u>	<u>=</u>
<u>Condition parameter</u>	<u>=</u>
<u>Condition Raw or engineering flag</u>	<u>=</u>
<u>Condition Radix</u>	<u>=</u>
<u>Condition value</u>	<u>=</u>
<u>Curve Subtype</u>	<u>=</u>
<u>Calibration curve identifier</u>	<u>=</u>
<u>Limit calibration</u>	<u>=</u>
<u>Maximum number of over-limit occurrences acceptable</u>	<u>=</u>
<u>List of limits</u>	<u>=</u>
<u>Order</u>	<u>=</u>
<u>Condition Parameter</u>	<u>=</u>



<u>Field</u>	<u>Value</u>
<u>Condition Raw or engineering flag</u>	=
<u>Condition Parameter value</u>	=
<u>Type</u>	=
<u>Low Limit</u>	=
<u>Hight limit</u>	=
<u>Category flag</u>	<u>All except FDD</u>

3.7.3.12 Sequence Flag

<u>Field</u>	<u>Value</u>
<u>Item name</u>	<u>GBFSF000</u>
<u>Short description</u>	<u>Seq Flag</u>
<u>Long Description</u>	<u>Sequence Flag</u>
<u>Reason of change</u>	<u>Generic Data</u>
<u>Parameter Type</u>	<u>Command Header Parameter</u>
<u>Parameter Type -Type</u>	<u>F</u>
<u>Parameter Type -Value</u>	<u>3</u>
<u>Parameter Type -Raw Radix</u>	<u>D</u>
<u>Validity Condition</u>	=
<u>Validity Condition -Parameter identifier</u>	=
<u>Validity Condition -Raw or engineering value flag</u>	=
<u>Validity Condition -Parameter Value</u>	=
<u>Binary Conversion</u>	=
<u>PTC</u>	<u>2</u>
<u>PFC</u>	<u>2</u>
<u>Calibration Category</u>	<u>N</u>
<u>Units</u>	=
<u>Default Calibration curve-Type</u>	=
<u>Calibration curve identifier</u>	=
<u>Ordered list of condition for calibration curve selection</u>	=
<u>Order</u>	=
<u>Condition parameter</u>	=



<u>Field</u>	<u>Value</u>
<u>Condition Raw or engineering flag</u>	=
<u>Condition Radix</u>	=
<u>Condition value</u>	=
<u>Curve Subtype</u>	=
<u>Calibration curve identifier</u>	=
<u>Limit calibration</u>	=
<u>Maximum number of over-limit occurrences acceptable</u>	=
<u>List of limits</u>	=
<u>Order</u>	=
<u>Condition Parameter</u>	=
<u>Condition Raw or engineering flag</u>	=
<u>Condition Parameter value</u>	=
<u>Type</u>	=
<u>Low Limit</u>	=
<u>Hight limit</u>	=
<u>Category flag</u>	<u>All except FDD</u>

3.7.3.13 Secondary Header

<u>Field</u>	<u>Value</u>
<u>Item name</u>	<u>GBFSH000</u>
<u>Short description</u>	<u>Sec Header</u>
<u>Long Description</u>	<u>Secondary Header</u>
<u>Reason of change</u>	<u>Generic Data</u>
<u>Parameter Type</u>	<u>Command Header Parameter</u>
<u>Parameter Type -Type</u>	<u>E</u>
<u>Parameter Type -Value</u>	<u>0</u>
<u>Parameter Type -Raw Radix</u>	<u>D</u>
<u>Validity Condition</u>	=
<u>Validity Condition -Parameter identifier</u>	=
<u>Validity Condition -Raw or engineering value flag</u>	=
<u>Validity Condition -Parameter Value</u>	=



<u>Field</u>	<u>Value</u>
<u>Binary Conversion</u>	=
<u>PTC</u>	<u>2</u>
<u>PFC</u>	<u>1</u>
<u>Calibration Category</u>	<u>N</u>
<u>Units</u>	=
<u>Default Calibration curve-Type</u>	=
<u>Calibration curve identifier</u>	=
<u>Ordered list of condition for calibration curve selection</u>	=
<u>Order</u>	=
<u>Condition parameter</u>	=
<u>Condition Raw or engineering flag</u>	=
<u>Condition Radix</u>	=
<u>Condition value</u>	=
<u>Curve Subtype</u>	=
<u>Calibration curve identifier</u>	=
<u>Limit calibration</u>	=
<u>Maximum number of over-limit occurrences acceptable</u>	=
<u>List of limits</u>	=
<u>Order</u>	=
<u>Condition Parameter</u>	=
<u>Condition Raw or engineering flag</u>	=
<u>Condition Parameter value</u>	=
<u>Type</u>	=
<u>Low Limit</u>	=
<u>Hight limit</u>	=
<u>Category flag</u>	<u>All except FDD</u>

3.7.3.14 PUS

<u>Field</u>	<u>Value</u>
<u>Item name</u>	<u>GBFPU000</u>
<u>Short description</u>	<u>PUS Version</u>



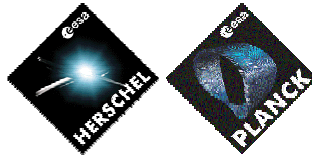
<u>Field</u>	<u>Value</u>
<u>Long Description</u>	<u>Tc Packet PUS Version</u>
<u>Reason of change</u>	<u>Generic Data</u>
<u>Parameter Type</u>	<u>Command Header Parameter</u>
<u>Parameter Type -Type</u>	<u>F</u>
<u>Parameter Type -Value</u>	<u>0</u>
<u>Parameter Type -Raw Radix</u>	<u>D</u>
<u>Validity Condition</u>	<u>-</u>
<u>Validity Condition -Parameter identifier</u>	<u>-</u>
<u>Validity Condition -Raw or engineering value flag</u>	<u>-</u>
<u>Validity Condition -Parameter Value</u>	<u>-</u>
<u>Binary Conversion</u>	<u>-</u>
<u>PTC</u>	<u>2</u>
<u>PFC</u>	<u>3</u>
<u>Calibration Category</u>	<u>N</u>
<u>Units</u>	<u>-</u>
<u>Default Calibration curve-Type</u>	<u>-</u>
<u>Calibration curve identifier</u>	<u>-</u>
<u>Ordered list of condition for calibration curve selection</u>	<u>-</u>
<u>Order</u>	<u>-</u>
<u>Condition parameter</u>	<u>-</u>
<u>Condition Raw or engineering flag</u>	<u>-</u>
<u>Condition Radix</u>	<u>-</u>
<u>Condition value</u>	<u>-</u>
<u>Curve Subtype</u>	<u>-</u>
<u>Calibration curve identifier</u>	<u>-</u>
<u>Limit calibration</u>	<u>-</u>
<u>Maximum number of over-limit occurrences acceptable</u>	<u>-</u>
<u>List of limits</u>	<u>-</u>
<u>Order</u>	<u>-</u>
<u>Condition Parameter</u>	<u>-</u>
<u>Condition Raw or engineering flag</u>	<u>-</u>
<u>Condition Parameter value</u>	<u>-</u>



<u>Field</u>	<u>Value</u>
<u>Type</u>	=
<u>Low Limit</u>	=
<u>Hight limit</u>	=
<u>Category flag</u>	<u>All except FDD</u>

3.7.3.15 SPARE

<u>Field</u>	<u>Value</u>
<u>Item name</u>	<u>GBFS8000</u>
<u>Short description</u>	<u>Spare</u>
<u>Long Description</u>	<u>Spare</u>
<u>Reason of change</u>	<u>Generic Data</u>
<u>Parameter Type</u>	<u>Command Header Parameter</u>
<u>Parameter Type -Type</u>	<u>F</u>
<u>Parameter Type -Value</u>	<u>0</u>
<u>Parameter Type -Raw Radix</u>	<u>D</u>
<u>Validity Condition</u>	=
<u>Validity Condition -Parameter identifier</u>	=
<u>Validity Condition -Raw or engineering value flag</u>	=
<u>Validity Condition -Parameter Value</u>	=
<u>Binary Conversion</u>	=
<u>PTC</u>	<u>2</u>
<u>PFC</u>	<u>8</u>
<u>Calibration Category</u>	<u>N</u>
<u>Units</u>	=
<u>Default Calibration curve-Type</u>	=
<u>Calibration curve identifier</u>	=
<u>Ordered list of condition for calibration curve selection</u>	=
<u>Order</u>	=
<u>Condition parameter</u>	=
<u>Condition Raw or engineering flag</u>	=
<u>Condition Radix</u>	=



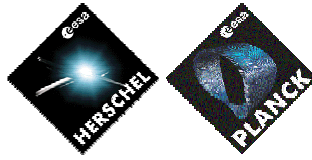
Field	Value
<u>Condition value</u>	=
<u>Curve Subtype</u>	=
<u>Calibration curve identifier</u>	=
<u>Limit calibration</u>	=
<u>Maximum number of over-limit occurrences acceptable</u>	=
<u>List of limits</u>	=
<u>Order</u>	=
<u>Condition Parameter</u>	=
<u>Condition Raw or engineering flag</u>	=
<u>Condition Parameter value</u>	=
<u>Type</u>	=
<u>Low Limit</u>	=
<u>Hight limit</u>	=
<u>Category flag</u>	<u>All except FDD</u>

3.7.4 Command Parameters

Note please that on HPSDB is possible to include fixed areas on the TC packets, so a spare can be defined as a fixed area, or can be a reference to the following generic command parameters:

3.7.4.1 Spare 1 - Bit

Field	Value
Item name	GPS01000
Short description	SPARE_1_BIT
Long Description	Spare 1 bit
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type –Raw Radix	Hexadecimal
Parameter Type – Default Value representation	0
Parameter Type –Constant or value flag	D
Parameter Type –Generic or contant identifier	



Field	Value
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	1
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD



3.7.4.2 Spare 2 - Bit

Field	Value
Item name	GPS02000
Short description	SPARE_2_BIT
Long Description	Spare 2 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal
Parameter Type - Default Value representation	0
Parameter Type -Constant or value flag	D
Parameter Type -Generic or constant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	2
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-



Field	Value
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.3 Spare 3 - Bit

Field	Value
Item name	GPS03000
Short description	SPARE_3_BIT
Long Description	Spare 3 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal
Parameter Type - Default Value representation	0
Parameter Type -Constant or value flag	D
Parameter Type -Generic or contant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	3
Calibration Category	-



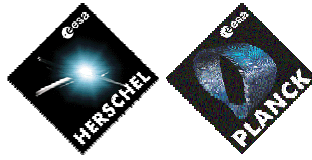
Field	Value
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.4 Spare 4 - Bit

Field	Value
Item name	GPS04000
Short description	SPARE_4_BIT
Long Description	Spare 4 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal



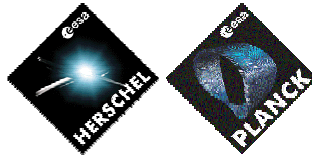
Field	Value
Parameter Type – Default Value representation	0
Parameter Type –Constant or value flag	D
Parameter Type –Generic or contant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	4
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-



Field	Value
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.5 Spare 5 - Bit

Field	Value
Item name	GPS05000
Short description	SPARE_5_BIT
Long Description	Spare 5 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal
Parameter Type - Default Value representation	0
Parameter Type -Constant or value flag	D
Parameter Type -Generic or contant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	5
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-



Field	Value
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.6 Spare 6 - Bit

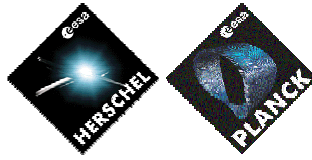
Field	Value
Item name	GPS06000
Short description	SPARE_6_BIT
Long Description	Spare 6 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal
Parameter Type - Default Value representation	0
Parameter Type -Constant or value flag	D
Parameter Type -Generic or contant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-



Field	Value
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	6
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.7 Spare 7 - Bit

Field	Value
Item name	GPST0700



Field	Value
Short description	SPARE_7_BIT
Long Description	Spare 7 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal
Parameter Type - Default Value representation	0
Parameter Type -Constant or value flag	D
Parameter Type -Generic or constant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	7
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-



Field	Value
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.8 Spare 8 - Bit

Field	Value
Item name	GPS08000
Short description	SPARE_8_BIT
Long Description	Spare 8 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal
Parameter Type - Default Value representation	0
Parameter Type -Constant or value flag	D
Parameter Type -Generic or contant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	8
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-



Field	Value
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.9 Spare 9- Bit

Field	Value
Item name	GPS09000
Short description	SPARE_9_BIT
Long Description	Spare 9 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type –Raw Radix	Hexadecimal
Parameter Type – Default Value representation	0
Parameter Type –Constant or value flag	D



Field	Value
Parameter Type -Generic or contant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	3
PFC	5
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-



Field	Value
Category flag	All except FDD

3.7.4.10 Spare 10 - Bit

Field	Value
Item name	GPS10000
Short description	SPARE_10_BIT
Long Description	Spare 10 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal
Parameter Type - Default Value representation	0
Parameter Type -Constant or value flag	D
Parameter Type -Generic or constant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	3
PFC	6
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-



Field	Value
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.11 Spare 11- Bit

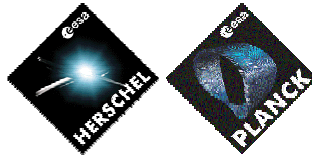
Field	Value
Item name	GPS11000
Short description	SPARE_11_BIT
Long Description	Spare 11 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type –Raw Radix	Hexadecimal
Parameter Type – Default Value representation	0
Parameter Type –Constant or value flag	D
Parameter Type –Generic or contant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-



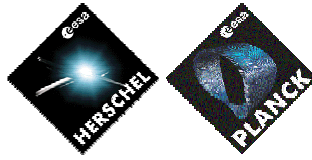
Field	Value
PTC	3
PFC	7
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.12 Spare 12- Bit

Field	Value
Item name	GPS12000
Short description	SPARE_12_BIT
Long Description	Spare 12 bits



Field	Value
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal
Parameter Type - Default Value representation	0
Parameter Type -Constant or value flag	D
Parameter Type -Generic or constant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	3
PFC	8
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-



Field	Value
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.13 Spare 13 - Bit

Field	Value
Item name	GPS13000
Short description	SPARE_13_BIT
Long Description	Spare 13 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal
Parameter Type - Default Value representation	0
Parameter Type -Constant or value flag	D
Parameter Type -Generic or contant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	3
PFC	9
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-



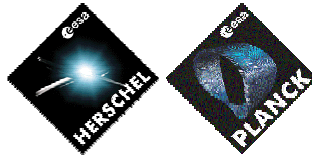
Field	Value
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.14 Spare 14 - Bit

Field	Value
Item name	GPS14000
Short description	SPARE_14_BIT
Long Description	Spare 14 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type –Raw Radix	Hexadecimal
Parameter Type – Default Value representation	0
Parameter Type –Constant or value flag	D
Parameter Type –Generic or contant identifier	
Validity Condition	-



Field	Value
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	3
PFC	10
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD



3.7.4.15 Spare 15 - Bit

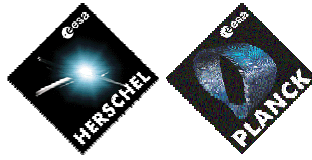
Field	Value
Item name	GPS15000
Short description	SPARE_15_BIT
Long Description	Spare 15 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal
Parameter Type - Default Value representation	0
Parameter Type -Constant or value flag	D
Parameter Type -Generic or constant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	3
PFC	11
Calibration Category	-
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-



Field	Value
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.16 Spare 16- Bit

Field	Value
Item name	GPS16000
Short description	SPARE_16_BIT
Long Description	Spare 16 bits
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type –Raw Radix	Hexadecimal
Parameter Type – Default Value representation	0
Parameter Type –Constant or value flag	D
Parameter Type –Generic or contant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	3
PFC	12
Calibration Category	-



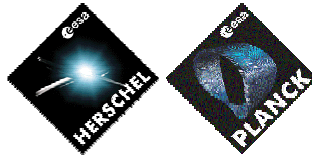
Field	Value
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.17 Absolute Time-Tag

Field	Value
Item name	GPABS000
Short description	Absolute Time-Tag
Long Description	Absolute Time-Tag
Reason of change	Generic Data
Parameter Type	Command Parameter



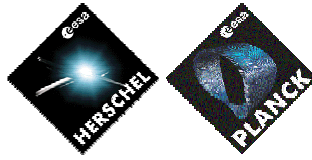
Field	Value
Parameter Type -Raw Radix	<u>Hexadecimal</u>
Parameter Type - Default Value representation	-
Parameter Type -Constant or value flag	Value
Parameter Type -Generic or constant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	9
PFC	17
Calibration Category	<u>N</u>
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	
Condition Radix	
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-



Field	Value
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.18 Sub-Schedule for TTs

Field	Value
Item name	GPSUB000
Short description	Sub-Schedule for TTs
Long Description	Sub-Schedule for TTs
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type –Raw Radix	<u>Hexadecimal</u>
Parameter Type – Default Value representation	0
Parameter Type –Constant or value flag	Value
Parameter Type –Generic or constant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	3
PFC	12
Calibration Category	<u>N</u>
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-



Field	Value
Condition parameter	-
Condition Raw or engineering flag	
Condition Radix	
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.19 Activity Id

Field	Value
Item name	<u>GPACT000</u>
Short description	Activity Id
Long Description	Mandatory but not used in AIT. Forced to 0.
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type –Raw Radix	Hexadecimal
Parameter Type – Default Value representation	0
Parameter Type –Constant or value flag	Value
Parameter Type –Generic or contant identifier	
Validity Condition	-

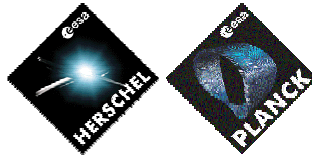


Field	Value
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	8
Calibration Category	<u>N</u>
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD



3.7.4.20 RC Ident

Field	Value
Item name	<u>GPRCD000</u>
Short description	RC Ident
Long Description	RC Id identify the command to be executed on SCOE (identifies by APID)
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type –Raw Radix	Hexadecimal
Parameter Type – Default Value representation	0
Parameter Type –Constant or value flag	Value
Parameter Type –Generic or contant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	8
Calibration Category	<u>N</u>
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	
Condition Radix	
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-



Field	Value
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.4.21 Structure Id Field

Field	Value
Item name	GPSTR000
Short description	Structure Id
Long Description	Structure Ident Field
Reason of change	Generic Data
Parameter Type	Command Parameter
Parameter Type -Raw Radix	Hexadecimal
Parameter Type - Default Value representation	0
Parameter Type -Constant or value flag	Value
Parameter Type -Generic or contant identifier	
Validity Condition	-
Validity Condition -Parameter identifier	-
Validity Condition -Raw or engineering value flag	-
Validity Condition -Parameter Value	-
Binary Conversion	-
PTC	2
PFC	16
Calibration Category	-



Field	Value
Units	-
Default Calibration curve-Type	-
Calibration curve identifier	-
Ordered list of condition for calibration curve selection	-
Order	-
Condition parameter	-
Condition Raw or engineering flag	-
Condition Radix	-
Condition value	-
Curve Subtype	-
Calibration curve identifier	-
Limit calibration	-
Maximum number of over-limit occurrences acceptable	-
List of limits	-
Order	-
Condition Parameter	-
Condition Raw or engineering flag	-
Condition Parameter value	-
Type	-
Low Limit	-
Hight limit	-
Category flag	All except FDD

3.7.5 User Constant Parameter- Dynamic

<u>Field</u>	<u>Value</u>
<u>Item name</u>	<u>GNENV000</u>
<u>Short description</u>	<u>Environment Desc</u>
<u>Long Description</u>	<u>Environment Description</u>
<u>Category flag</u>	<u>All except FDD</u>
<u>Reason of change</u>	<u>Generic Data</u>



<u>Field</u>	<u>Value</u>
<u>Parameter Type</u>	<u>Dynamic Parameter</u>
<u>On-board Parameter identifier</u>	=
<u>Padded width</u>	=
<u>Daughter Parameter id</u>	=
<u>Daughter Parameter Location</u>	=
<u>Related Parameter</u>	=
<u>Validity Condition-Parameter identifier</u>	=
<u>Validity Condition-Raw or engineering value flag</u>	=
<u>Validity Condition-Radix</u>	=
<u>Binary Conversion</u>	=
<u>PTC</u>	<u>2</u>
<u>PFC</u>	<u>8</u>
<u>Calibration Category</u>	<u>I</u>
<u>Units</u>	=
<u>Calibration curve identifier</u>	<u>G000044000</u>
<u>Has Limit Calibration</u>	=
<u>Order</u>	=
<u>Condition parameter</u>	=
<u>Condition Raw or engineering flag</u>	=
<u>Condition Radix</u>	=
<u>Condition value</u>	=
<u>Curve Subtype</u>	=
<u>Calibration curve identifier</u>	=
<u>Limit calibration</u>	=
<u>Maximum number of over-limit occurrences acceptable</u>	=
<u>List of limits</u>	=
<u>Order</u>	=
<u>Condition Parameter</u>	=
<u>Condition Raw or engineering flag</u>	=



<u>Field</u>	<u>Value</u>
<u>Condition Parameter value</u>	=
<u>Type</u>	=
<u>Low Limit</u>	=
<u>Hight limit</u>	=

3.7.6 Parameter group data

Not identified

3.7.7 Parameter set data

Not identified

3.7.8 Parameter value set

Not identified

3.7.9 Parameter range set data

Not identified

Note : in case generic parameter range set are defined, the S2K identifier shall be provided and shall be equal to the element parameter range set identifier plus 1000.

3.8 Calibration Curves

Waiting for thermostors calibration curves inputs.

Note The S2K identifier is equal to element curve identifier inside the element (from fourth to sixth characters) plus 1000.

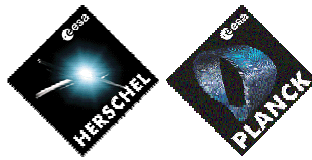
3.8.1 Digital curve data

In case of one bit digital raw value, the short description of the curve is the label associated to the raw value 1.

The identified generic digital curves are:

3.8.1.1 OFF/ON

0 is ON



1 is OFF

Field	Value
Curve identifier	G000001000
S2K identifier	1001
Short description	OFF
Long description	1 is OFF 0 is ON
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

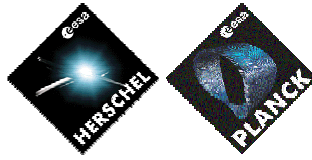
Field	Value
Low raw value	0
High raw value	0
Status	ON
Low raw value	1
High raw value	1
Status	OFF

3.8.1.2 ON / OFF

0 is OFF

1 is ON

Field	Value
Curve identifier	G000002000
S2K identifier	1002
Short description	ON
Long description	1 is ON 0 is OFF
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD



Field	Value
Low raw value	0
High raw value	0
Status	OFF
Low raw value	1
High raw value	1
Status	ON

3.8.1.3 NOMINAL / REDUNDANT

0 is REDUNDANT

1 is is NOMINAL

Field	Value
Curve identifier	G000003000
S2K identifier	1003
Short description	NOMINAL
Long description	1 is NOMINAL 0 is REDUNDANT
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	REDUNDANT
Low raw value	1
High raw value	1
Status	NOMINAL

3.8.1.4 REDUNDANT / NOMINAL

0 is NOMINAL

1 is is REDUNDANT



Field	Value
Curve identifier	G000004000
S2K identifier	1004
Short description	REDUNDANT
Long description	1 is REDUNDANT 0 is NOMINAL
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	NOMINAL
Low raw value	1
High raw value	1
Status	REDUNDANT

3.8.1.5 OK / FAULT

0 is FAULT

1 is is OK

Field	Value
Curve identifier	G000005000
S2K identifier	1005
Short description	OK
Long description	1 is OK 0 is FAULT
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD



Field	Value
Low raw value	0
High raw value	0
Status	FAULT
Low raw value	1
High raw value	1
Status	OK

3.8.1.6 FAULT / OK

0 is OK

1 is is FAULT

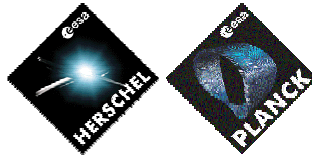
Field	Value
Curve identifier	G000006000
S2K identifier	1006
Short description	FAULT
Long description	1 is FAULT 0 is OK
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	OK
Low raw value	1
High raw value	1
Status	FAULT

3.8.1.7 ACTIVE /NOTACTIVE

0 is NOTACTIVE

1 is is ACTIVE



Field	Value
Curve identifier	G000007000
S2K	1007
Short description	ACTIVE
Long description	1 is ACTIVE 0 is NOTACTIVE
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	NOTACTIVE
Low raw value	1
High raw value	1
Status	ACTIVE

3.8.1.8 NOTACTIVE/ACTIVE

0 is ACTIVE

1 is is NOTACTIVE

Field	Value
Curve identifier	G000008000
S2K identifier	1008
Short description	NOTACTIVE
Long description	1 is NOTACTIVE 0 is ACTIVE
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD



Field	Value
Low raw value	0
High raw value	0
Status	ACTIVE
Low raw value	1
High raw value	1
Status	NOTACTIVE

3.8.1.9 CLOSE/OPEN

0 is OPEN
1 is is CLOSE

Field	Value
Curve identifier	G000009000
S2K identifier	1009
Short description	CLOSE
Long description	1 is CLOSE 0 is OPEN
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	OPEN
Low raw value	1
High raw value	1
Status	CLOSE

3.8.1.10 OPEN/CLOSE

0 is CLOSE
1 is is OPEN



Field	Value
Curve identifier	G000010000
S2K identifier	1010
Short description	OPEN
Long description	1 is OPEN 0 is CLOSE
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	CLOSE
Low raw value	1
High raw value	1
Status	OPEN

3.8.1.11 TRUE/FALSE

0 is FALSE

1 is TRUE

Field	Value
Curve identifier	G000013000
S2K identifier	1013
Short description	TRUE
Long description	1 is TRUE 0 is FALSE
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD



Field	Value
Low raw value	0
High raw value	0
Status	FALSE
Low raw value	1
High raw value	1
Status	TRUE

3.8.1.12 FALSE/TRUE

0 is TRUE
1 is FALSE

Field	Value
Curve identifier	G000024000
S2K identifier	1024
Short description	FALSE
Long description	1 is FALSE 0 is TRUE
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	TRUE
Low raw value	1
High raw value	1
Status	FALSE

3.8.1.13 BUS_B/BUS_A

0 is BUS_A
1 is BUS_B

Field	Value
Curve identifier	G000015000



S2K identifier	1015
Short description	BUS_B
Long description	1 is BUS_B 0 is BUS_A
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

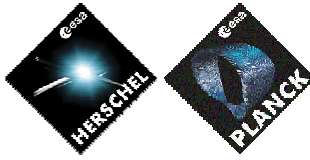
Field	Value
Low raw value	0
High raw value	0
Status	BUS_A
Low raw value	1
High raw value	1
Status	BUS_B

3.8.1.14 BUS_A/BUS_B

0 is BUS_B
1 is BUS_A

Field	Value
Curve identifier	G000025000
S2K identifier	1025
Short description	BUS_A
Long description	1 is BUS_A 0 is BUS_B
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0



High raw value	0
Status	BUS_B
Low raw value	1
High raw value	1
Status	BUS_A

3.8.1.15 REMOTE/LOCAL

0 is REMOTE
1 is LOCAL

Field	Value
Curve identifier	G000016000
S2K identifier	1016
Short description	REMOTE
Long description	1 is REMOTE 0 is LOCAL
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	LOCAL
Low raw value	1
High raw value	1
Status	REMOTE

3.8.1.16 LOCAL/REMOTE

0 is REMOTE
1 is LOCAL

Field	Value
Curve identifier	G000026000
S2K identifier	1026
Short description	LOCAL
Long description	1 is LOCAL 0 is REMOTE



Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	REMOTE
Low raw value	1
High raw value	1
Status	LOCAL

3.8.1.17 ENABLED/DISABLED

0 is DISABLED

1 is ENABLED

Field	Value
Curve identifier	G000017000
S2K identifier	1017
Short description	ENABLED
Long description	1 is ENABLED 0 is DISABLED
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	DISABLED
Low raw value	1



High raw value	1
Status	ENABLED

3.8.1.18 DISABLED/ ENABLED

0 is ENABLED
1 is DISABLED

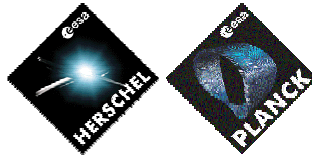
Field	Value
Curve identifier	G000027000
S2K identifier	1027
Short description	DISABLED
Long description	1 is DISABLED 0 is ENABLED
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	ENABLED
Low raw value	1
High raw value	1
Status	DISABLED

3.8.1.19 STOP_RUN_PAUSE

0 is STOP
1 is RUN
2 IS PAUSE

Field	Value
Curve identifier	G000018000
S2K identifier	1018
Short description	STOP_RUN_PAUSE
Long description	0 is STOP 1 is RUN 2 IS PAUSE
Type (analogue or digital)	Digital



Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	STOP
Low raw value	1
High raw value	1
Status	RUN
Low raw value	2
High raw value	2
Status	PAUSE

3.8.1.20 STATUS

0 is CONFIG
1 is IDLE
2 is OPERATIONAL
3 is ERROR

Field	Value
Curve identifier	G000019000
S2K identifier	1019
Short description	STATUS
Long description	0 is CONFIG 1 is IDLE 2 is OPERATIONAL 3 is ERROR
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD



Field	Value
Low raw value	0
High raw value	0
Status	CONFIG
Low raw value	1
High raw value	1
Status	IDLE
Low raw value	2
High raw value	2
Status	OPERATIONAL
Low raw value	3
High raw value	3
Status	ERROR

3.8.1.21 PASSED/FAILED

0 is PASSED

1 is FAILED

Field	Value
Curve identifier	G000020000
S2K identifier	1020
Short description	PASSED
Long description	1 is PASSED 0 is FAILED
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	FAILED
Low raw value	1
High raw value	1
Status	PASSED



3.8.1.22 FAILED/ PASSED

0 is FAILED
1 is PASSED

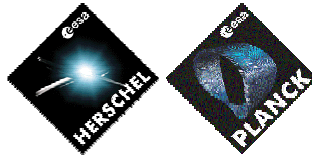
Field	Value
Curve identifier	G000028000
S2K identifier	1028
Short description	FAILED
Long description	1 is FAILED 0 is PASSED
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	PASSED
Low raw value	1
High raw value	1
Status	FAILED

3.8.1.23 ONLINE/OFFLINE

0 is OFFLINE
1 is ONLINE

Field	Value
Curve identifier	G000021000
S2K identifier	1021
Short description	ONLINE
Long description	1 is ONLINE 0 is OFFLINE
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer



Category Flag	All except FDD
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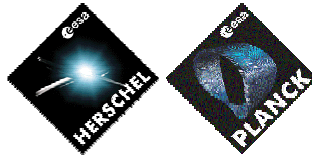
Field	Value
Low raw value	0
High raw value	0
Status	OFFLINE
Low raw value	1
High raw value	1
Status	ONLINE

3.8.1.24 OFFLINE/ONLINE

0 is ONLINE
1 is OFFLINE

Field	Value
Curve identifier	G000029000
S2K identifier	1029
Short description	OFFLINE
Long description	1 is OFFLINE 0 is ONLINE
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	ONLINE
Low raw value	1
High raw value	1
Status	OFFLINE



3.8.1.25 RUNNING/NOT_RUNNING

0 is NOT_RUNNING

1 is RUNNING

Field	Value
Curve identifier	G000022000
S2K identifier	1022
Short description	RUNNING
Long description	1 is RUNNING 0 is NOT_RUNNING
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	NOT_RUNNING
Low raw value	1
High raw value	1
Status	RUNNING

3.8.1.26 NOT_RUNNING/RUNNING

0 is RUNNING

1 is NOT RUNNING

Field	Value
Curve identifier	G000030000
S2K identifier	1030
Short description	NOT_RUNNING
Long description	1 is NOT_RUNNING 0 is RUNNING
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag



Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	RUNNING
Low raw value	1
High raw value	1
Status	NOT_RUNNING

3.8.1.27 B/A

0 is A

1 is B

Field	Value
Curve identifier	G000023000
S2K identifier	1023
Short description	B
Long description	1 is B 0 is A
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	A
Low raw value	1
High raw value	1
Status	B



3.8.1.28 A/B

0 is B

1 is A

Field	Value
Curve identifier	G000031000
S2K identifier	1031
Short description	A
Long description	1 is A 0 is B
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	B
Low raw value	1
High raw value	1
Status	A

3.8.1.29 Tripped/OK

0 is OK

1 is Tripped

Field	Value
Curve identifier	G000014000
S2K identifier	1014
Short description	Tripped
Long description	1 is tripped 0 is OK
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag



Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	OK
Low raw value	1
High raw value	1
Status	Tripped

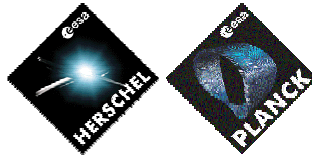
3.8.1.30 GO/NOGO

0 is NOGO

1 is GO

Field	Value
Curve identifier	G000032000
S2K identifier	1032
Short description	GO
Long description	1 is GO 0 is NOGO
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	NOGO
Low raw value	1
High raw value	1
Status	GO



3.8.1.31 NOGO/GO

0 is GO

1 is NOGO

Field	Value
Curve identifier	G000033000
S2K identifier	1033
Short description	NOGO
Long description	1 is NOGO 0 is GO
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	GO
Low raw value	1
High raw value	1
Status	NOGO

3.8.1.32 SET/RESET

0 is RESET

1 is SET

Field	Value
Curve identifier	G000034000
S2K identifier	1034
Short description	SET
Long description	1 is SET 0 is RESET
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag



Raw format	Unsigned integer
Category Flag	All except FDD

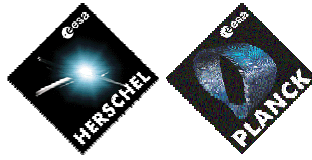
Field	Value
Low raw value	0
High raw value	0
Status	RESET
Low raw value	1
High raw value	1
Status	SET

3.8.1.33 RESET/SET

0 is SET
1 is RESET

Field	Value
Curve identifier	G000035000
S2K identifier	1035
Short description	RESET
Long description	1 is RESET 0 is SET
Type (analogue or digital)	Digital
Sub-type for analogue type (Discrete or polynomial or logarithm)	NULL
Unit	NULL
TM or TC or both flag	Both flag
Raw format	Unsigned integer
Category Flag	All except FDD

Field	Value
Low raw value	0
High raw value	0
Status	SET
Low raw value	1
High raw value	1
Status	RESET



3.8.1.34 DETECTED/NOT DETECTED

0 is NOT DETECTED

1 is NOT DETECTED

<u>Field</u>	<u>Value</u>
<u>Curve identifier</u>	<u>G000036000</u>
<u>S2K identifier</u>	<u>1036</u>
<u>Short description</u>	<u>DETECTED</u>
<u>Long description</u>	<u>1 is DETECTED 0 is NOT DETECTED</u>
<u>Type (analogue or digital)</u>	<u>Digital</u>
<u>Sub-type for analogue type (Discrete or polynomial or logarithm)</u>	<u>NULL</u>
<u>Unit</u>	<u>NULL</u>
<u>TM or TC or both flag</u>	<u>Both flag</u>
<u>Raw format</u>	<u>Unsigned integer</u>
<u>Category Flag</u>	<u>All except FDD</u>

<u>Field</u>	<u>Value</u>
<u>Low raw value</u>	<u>0</u>
<u>High raw value</u>	<u>0</u>
<u>Status</u>	<u>NOT DETECTED</u>
<u>Low raw value</u>	<u>1</u>
<u>High raw value</u>	<u>1</u>
<u>Status</u>	<u>DETECTED</u>

3.8.1.35 NOT DETECTED/DETECTED

0 is DETECTED

1 is NOT DETECTED

<u>Field</u>	<u>Value</u>
<u>Curve identifier</u>	<u>G000037000</u>
<u>S2K identifier</u>	<u>1037</u>
<u>Short description</u>	<u>NOT DETECTED</u>
<u>Long description</u>	<u>1 is NOT DETECTED 0 is DETECTED</u>
<u>Type (analogue or digital)</u>	<u>Digital</u>
<u>Sub-type for analogue type (Discrete or polynomial or logarithm)</u>	<u>NULL</u>
<u>Unit</u>	<u>NULL</u>
<u>TM or TC or both flag</u>	<u>Both flag</u>



<u>Raw format</u>	<u>Unsigned integer</u>
<u>Category Flag</u>	<u>All except FDD</u>

<u>Field</u>	<u>Value</u>
<u>Low raw value</u>	<u>0</u>
<u>High raw value</u>	<u>0</u>
<u>Status</u>	<u>DETECTED</u>
<u>Low raw value</u>	<u>1</u>
<u>High raw value</u>	<u>1</u>
<u>Status</u>	<u>NOT DETECTED</u>

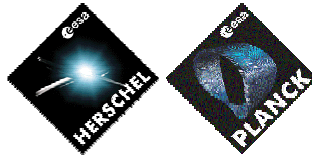
3.8.1.36 ARMED/DISARMED

0 is ARMED

1 is DISARMED

<u>Field</u>	<u>Value</u>
<u>Curve identifier</u>	<u>G000038000</u>
<u>S2K identifier</u>	<u>1038</u>
<u>Short description</u>	<u>ARMED</u>
<u>Long description</u>	<u>1 is ARMED 0 is DISARMED</u>
<u>Type (analogue or digital)</u>	<u>Digital</u>
<u>Sub-type for analogue type (Discrete or polynomial or logarithm)</u>	<u>NULL</u>
<u>Unit</u>	<u>NULL</u>
<u>TM or TC or both flag</u>	<u>Both flag</u>
<u>Raw format</u>	<u>Unsigned integer</u>
<u>Category Flag</u>	<u>All except FDD</u>

<u>Field</u>	<u>Value</u>
<u>Low raw value</u>	<u>0</u>
<u>High raw value</u>	<u>0</u>
<u>Status</u>	<u>DISARMED</u>
<u>Low raw value</u>	<u>1</u>
<u>High raw value</u>	<u>1</u>
<u>Status</u>	<u>ARMED</u>



3.8.1.37 DISARMED / ARMED

0 is ARMED

1 is DISARMED

<u>Field</u>	<u>Value</u>
<u>Curve identifier</u>	<u>G000039000</u>
<u>S2K identifier</u>	<u>1039</u>
<u>Short description</u>	<u>RESET</u>
<u>Long description</u>	<u>1 is DISARMED 0 is ARMED</u>
<u>Type (analogue or digital)</u>	<u>Digital</u>
<u>Sub-type for analogue type (Discrete or polynomial or logarithm)</u>	<u>NULL</u>
<u>Unit</u>	<u>NULL</u>
<u>TM or TC or both flag</u>	<u>Both flag</u>
<u>Raw format</u>	<u>Unsigned integer</u>
<u>Category Flag</u>	<u>All except FDD</u>

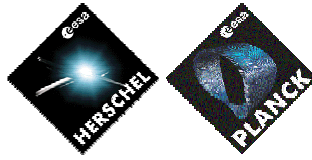
<u>Field</u>	<u>Value</u>
<u>Low raw value</u>	<u>0</u>
<u>High raw value</u>	<u>0</u>
<u>Status</u>	<u>ARMED</u>
<u>Low raw value</u>	<u>1</u>
<u>High raw value</u>	<u>1</u>
<u>Status</u>	<u>DISARMED</u>

3.8.1.38 YES/NO

0 is NO

1 is YES

<u>Field</u>	<u>Value</u>
<u>Curve identifier</u>	<u>G000040000</u>
<u>S2K identifier</u>	<u>1040</u>
<u>Short description</u>	<u>YES</u>
<u>Long description</u>	<u>1 is YES 0 is NO</u>
<u>Type (analogue or digital)</u>	<u>Digital</u>
<u>Sub-type for analogue type (Discrete or polynomial or logarithm)</u>	<u>NULL</u>
<u>Unit</u>	<u>NULL</u>
<u>TM or TC or both flag</u>	<u>Both flag</u>



<u>Raw format</u>	<u>Unsigned integer</u>
<u>Category Flag</u>	<u>All except FDD</u>

<u>Field</u>	<u>Value</u>
<u>Low raw value</u>	<u>0</u>
<u>High raw value</u>	<u>0</u>
<u>Status</u>	<u>NO</u>
<u>Low raw value</u>	<u>1</u>
<u>High raw value</u>	<u>1</u>
<u>Status</u>	<u>YES</u>

3.8.1.39 NO / YES

0 is YES

1 is NO

<u>Field</u>	<u>Value</u>
<u>Curve identifier</u>	<u>G000041000</u>
<u>S2K identifier</u>	<u>1041</u>
<u>Short description</u>	<u>NO</u>
<u>Long description</u>	<u>1 is NO 0 is YES</u>
<u>Type (analogue or digital)</u>	<u>Digital</u>
<u>Sub-type for analogue type (Discrete or polynomial or logarithm)</u>	<u>NULL</u>
<u>Unit</u>	<u>NULL</u>
<u>TM or TC or both flag</u>	<u>Both flag</u>
<u>Raw format</u>	<u>Unsigned integer</u>
<u>Category Flag</u>	<u>All except FDD</u>

<u>Field</u>	<u>Value</u>
<u>Low raw value</u>	<u>0</u>
<u>High raw value</u>	<u>0</u>
<u>Status</u>	<u>YES</u>
<u>Low raw value</u>	<u>1</u>
<u>High raw value</u>	<u>1</u>
<u>Status</u>	<u>NO</u>



3.8.1.40 START/ STOP

0 is STOP

1 is START

<u>Field</u>	<u>Value</u>
<u>Curve identifier</u>	<u>G000042000</u>
<u>S2K identifier</u>	<u>1042</u>
<u>Short description</u>	<u>START</u>
<u>Long description</u>	<u>1 is START 0 is STOP</u>
<u>Type (analogue or digital)</u>	<u>Digital</u>
<u>Sub-type for analogue type (Discrete or polynomial or logarithm)</u>	<u>NULL</u>
<u>Unit</u>	<u>NULL</u>
<u>TM or TC or both flag</u>	<u>Both flag</u>
<u>Raw format</u>	<u>Unsigned integer</u>
<u>Category Flag</u>	<u>All except FDD</u>

<u>Field</u>	<u>Value</u>
<u>Low raw value</u>	<u>0</u>
<u>High raw value</u>	<u>0</u>
<u>Status</u>	<u>STOP</u>
<u>Low raw value</u>	<u>1</u>
<u>High raw value</u>	<u>1</u>
<u>Status</u>	<u>START</u>

3.8.1.41 STOP/ START

0 is START

1 is STOP

<u>Field</u>	<u>Value</u>
<u>Curve identifier</u>	<u>G000043000</u>
<u>S2K identifier</u>	<u>1043</u>
<u>Short description</u>	<u>STOP</u>
<u>Long description</u>	<u>1 is STOP 0 is START</u>
<u>Type (analogue or digital)</u>	<u>Digital</u>
<u>Sub-type for analogue type (Discrete or polynomial or logarithm)</u>	<u>NULL</u>
<u>Unit</u>	<u>NULL</u>
<u>TM or TC or both flag</u>	<u>Both flag</u>
<u>Raw format</u>	<u>Unsigned integer</u>



<u>Category Flag</u>	<u>All except FDD</u>
----------------------	-----------------------

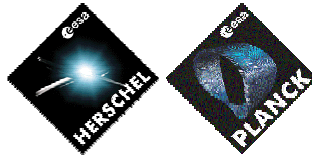
<u>Field</u>	<u>Value</u>
<u>Low raw value</u>	<u>0</u>
<u>High raw value</u>	<u>0</u>
<u>Status</u>	<u>START</u>
<u>Low raw value</u>	<u>1</u>
<u>High raw value</u>	<u>1</u>
<u>Status</u>	<u>STOP</u>

3.8.1.42 ENVIRONMENT

0 is Clean Room
1 is Thermal vacuum tests
2 is Flight

<u>Field</u>	<u>Value</u>
<u>Curve identifier</u>	<u>G000044000</u>
<u>S2K identifier</u>	<u>1044</u>
<u>Short description</u>	<u>ENVIRONMENT</u>
<u>Long description</u>	<u>0 is Clean Room 1 is Thermal vacuum tests 2 is Flight</u>
<u>Type (analogue or digital)</u>	<u>Digital</u>
<u>Sub-type for analogue type (Discrete or polynomial or logarithm)</u>	<u>NULL</u>
<u>Unit</u>	<u>NULL</u>
<u>TM or TC or both flag</u>	<u>Both flag</u>
<u>Raw format</u>	<u>Unsigned integer</u>
<u>Category Flag</u>	<u>All except FDD</u>

<u>Field</u>	<u>Value</u>
<u>Low raw value</u>	<u>0</u>
<u>High raw value</u>	<u>0</u>
<u>Status</u>	<u>CLEAN ROOM</u>
<u>Low raw value</u>	<u>1</u>
<u>High raw value</u>	<u>1</u>
<u>Status</u>	<u>THERMAL VACUUM TEST</u>
<u>Low raw value</u>	<u>2</u>
<u>High raw value</u>	<u>2</u>
<u>Status</u>	<u>FLIGHT</u>



3.8.2 Discrete Analogue curve

Not identified

3.8.3 Logarithm curve equation data

Not identified

3.8.4 Polynomial Curves

3.8.4.1 Thermistor Type GB42

This curve was been calculated using the Resistance Temperature Relationship Table for Thermistor type GB42 on Annex 1.

Field	Value
Curve identifier	G000011000
S2K identifier	1011
Short description	Curve_GB42
Long description	This curve was been calculated using the Resistance Temperature Relationship Table for Thermistor type GB42 see annex, the range [-40, +85°C] is specify on the GDIR (version 4.1) H-P-1-ASPI-SP-0027 RD2
Type (analogue or digital)	Analogue
Sub-type for analogue type (Discrete or polynomial or logarithm)	Polynomial
Unit	Celsius degree
TM or TC or both flag	TM only
Category Flag	All except FDD

Field	Value
a0	39591.1
a1	-2075.9885
a2	76.196331
a3	-1.3738253
a4	0.0084341711



3.8.4.2 Thermistor for Platinum Probe 2k 118MF

This curve was been calculated using the Resistance Temperature Relationship Table for Platinum Probe 2k 118MF on Annex 2.

Field	Value
Curve identifier	G000012000
S2K identifier	1012
Short description	Curve_118MF
Long description	This curve was been calculated using the Resistance Temperature Relationship Table for Platinum Probe 2k 118MF see annex.
Type (analogue or digital)	Analogue
Sub-type for analogue type (Discrete or polynomial or logarithm)	Polynomial
Unit	Celsius degree
TM or TC or both flag	<u>TM only</u>
Category Flag	All except FDD

Field	Value
a0	2006.6819
a1	7.6518368
a2	-0.0038691002
a3	2.5054358e-005
a4	1.4419967e-007

3.9 Displays

3.9.1 Alphanumeric display data

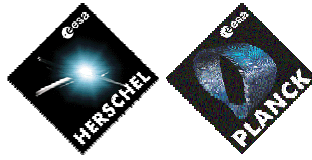
Not identified

3.9.2 Graphic display data

Not identified

3.9.3 Scrolling Display

Not identified



3.9.4 Variable SCOS packet display data

Not identified

3.10 Constants

3.10.1 Constants

Not identified

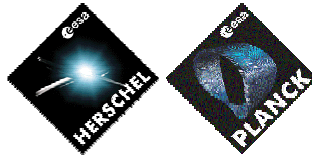
4. UPDATING GENERIC BOX CONTENTS PROCESS

The contents of a generic box has been defined taking into account the present knowledge of spacecraft development.

It is foreseen to keep the contents of generic box in line with the HPSDB users needs. For this purpose, HPSDB users are invited to submit to HPSDB manager approval updates of generic box contents with general purpose scope.

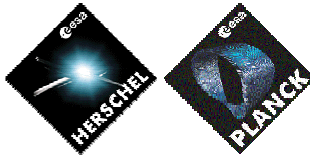


5. ANNEX 1



-40	371300
-39	349700
-38	329400
-37	310500
-36	292800
-35	276200
-34	260700
-33	246000
-32	232400
-31	219500
-30	207500
-29	196100
-28	185400
-27	175500
-26	166100
-25	157200
-24	148800
-23	141000
-22	133600
-21	126700
-20	120100
-19	114000
-18	108200
-17	102700
-16	97490
-15	92600
-14	87980
-13	83630
-12	79520
-11	75620
-10	71940
-9	68640
-8	65160
-7	62060
-6	59100
-5	56310
-4	53670
-3	51170
-2	48800
-1	46550
0	44420
1	42390

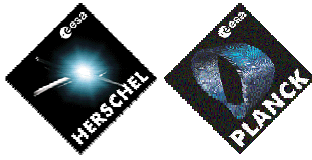
2	40490
3	38660
4	36930
5	35300
6	33740
7	32250
8	30840
9	29510
10	28230
11	27020
12	25860
13	24770
14	23720
15	22730
16	21780
17	20870
18	20010
19	19190
20	18410
21	17660
22	16950
23	16280
24	15620
25	15000
26	14410
27	13840
28	13310
29	12790
30	12300
31	11820
32	11370
33	10940
34	10530
35	10130
36	9756
37	9393
38	9047
39	8715
40	8397
41	8093
42	7800
43	7521
44	7253



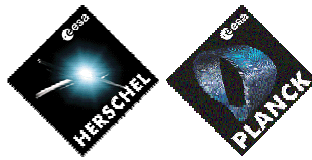
45	6995
46	6747
47	6510
48	6282
49	6065
50	5855
51	5654
52	5460
53	5274
54	5096
55	4923
56	4758
57	4599
58	4448
59	4301
60	4160
61	4025
62	3894
63	3768
64	3647
65	3531
66	3419
67	3311
68	3206
69	3105
70	3009
71	2916
72	2826
73	2739
74	2657
75	2576
76	2498
77	2423
78	2351
79	2280
80	2213
81	2148
82	2085
83	2024
84	1965
85	1908

Annex Table 1 - Resistance Temperature Relationship Table for Thermistor type GB42

(See RD2 and RD3)



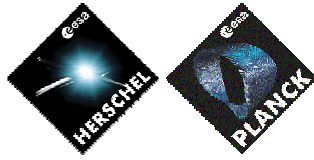
6. ANNEX 2



Temp (°C)	P.P. Resistance (2000 OHMS)
-260	5,41
-240	50,43
-220	179,5
-200	345,62
-180	519,4
-160	692,06
-140	862,06
-120	1029,62
-100	1195,12
-80	1358,89
-60	1521,16
-40	1682,04
-20	1841,64
0	2000
20	2157,23
40	2313,56
60	2468,99
80	2623,54
100	2777,2
120	2929,98

Annex Table 2 - Resistance Temperature Relationship Table for Platinum Probe 2k 118MF

(see RD4)



7. ANNEX 3



Comment	edited with XMLSPY v5 rel. 4 U (http://www.xmlspy.com) by Alcatel Space (Alcatel Space)
Comment	Generic Data Version 2.11 20/10/2005 This xml file is online with the Generic Data Collection Technical Note :(H-P-1-ASP-TN-0543) Issue2.0
Comment	SCHEMA 3.5
Comment	22-11/2004 HPSDB 2.0.6.3 S Dos Santos TAG = PAR_GN Add the Generic Parameters defined before on the file Generic_parameter.xml to this file Update the Generic parameters : Remove the command generic parameters GPSCS000 GPSTY000 GPTYP000 Add the command generic parameters GPABS000 GPSUB000
Comment	22-11/2004 HPSDB 2.0.6.3 S Dos Santos TAG =TC_GN GC0TT000
Comment	22-11/2004 HPSDB 2.0.6.3 S Dos Santos Change the attribute Change reason=Update to Change reason=GenericData
Comment	22-11/2004 HPSDB 2.0.6.3 S Dos Santos TAG=CURVE_GN Add the Generic Curves G000011000 G000012000 G000032000 G000033000 G000034000 G000035000



xmlspy®

 Comment

22-11/2004
HPSDB 2.0.6.3
S Dos Santos
TAG=CURVE_GN
Add the Digital Points and RawFormat =U to
G000001000
G000002000
G000003000
G000004000
G000005000
G000006000
G000007000
G000008000
G000009000
G000010000
G000013000
G000014000
G000015000
G000016000
G000017000
G000018000
G000019000
G000020000
G000021000
G000022000
G000023000
G000024000
G000025000
G000026000
G000027000
G000028000
G000029000
G000030000
G000031000

 Comment

22-11/2004
HPSDB 2.0.6.3
S Dos Santos
TAG = TM_PSICD_TEMPL_GN
(1,1)
-Add PacketType and subtype to Long description
(1,2)
-Add PacketType and subtype to Long description
-Add Pi2Wid=0
-Add Pi2Off=-1
(1,3)
-Add PacketType and subtype to Long description
(1,5)
-Add PacketType and subtype to Long description
(1,7)
-Add PacketType and subtype to Long description
(1,8)
-Add PacketType and subtype to Long description
-Add Pi2Wid=0
-Add Pi2Off=-1
(1,9)
-Add PacketType and subtype to Long description
(3,10)
-Add PacketType and subtype to Long description
(3,12)
-Add PacketType and subtype to Long description
(3,25)
-Add Pi2Wid=0
-Add Pi2Off=-1
-Add PacketType and subtype to Long description
(3,26)
-Add Pi2Wid=0
-Add Pi2Off=-1
-Add PacketType and subtype to Long description
(5,1)
-Add PacketType and subtype to Long description
(5,2)
-Add PacketType and subtype to Long description
(5,4)
-Add PacketType and subtype to Long description
(6,6)
-Add PacketType and subtype to Long description
(6,10)
-Add PacketType and subtype to Long description
(8,6)
-Add PacketType and subtype to Long description
(8,7)
-New Packet
(8,8)
-New Packet
(8,9)
-New Packet
(9,8)
-Add PacketType and subtype to Long description
(9,9)
-Add PacketType and subtype to Long description
(11,10)
-Add PacketType and subtype to Long description
(11,13)
-Add PacketType and subtype to Long description
(11,19)
-New Packet
(12,9)
-Add PacketType and subtype to Long description
(14,4)
-Add PacketType and subtype to Long description
(14,7)
-New Packet
(15,6)
-Add PacketType and subtype to Long description
-Add Pi2Wid=0
-Add Pi2Off=-1
(15,13)
-Add PacketType and subtype to Long description
(17,2)
-Add PacketType and subtype to Long description
(18,9)
-Add PacketType and subtype to Long description
(18,11)
-Add PacketType and subtype to Long description
(18,13)
-Add PacketType and subtype to Long description



(18,15)
 -Add PacketType and subtype to Long description
 (19,7)
 -Add PacketType and subtype to Long description
 (20,5)
 -Deleted
 (21,1)
 -Add PacketType and subtype to Long description
 -Add Pi1Wid=16
 -Add Pi1Off=16
 -Add Pi2Wid=0
 -Add Pi2Off=-1
 (21,2)
 -Add PacketType and subtype to Long description
 -Add Pi1Wid=16
 -Add Pi1Off=16
 -Add Pi2Wid=0
 -Add Pi2Off=-1
 (21,3)
 -Add PacketType and subtype to Long description
 -Add Pi1Wid=16
 -Add Pi1Off=16
 -Add Pi2Wid=0
 -Add Pi2Off=-1
 (21,4)
 -Add PacketType and subtype to Long description
 -Add Pi1Wid=16
 -Add Pi1Off=16
 -Add Pi2Wid=0
 -Add Pi2Off=-1

Comment

Add the Spare acquisition Parameters
 GMS01000
 GMS02000
 GMS03000
 GMS04000
 GMS05000
 GMS06000
 GMS07000
 GMS08000
 GMS09000
 GMS10000
 GMS11000
 GMS12000
 GMS13000
 GMS14000
 GMS15000
 GMS16000



Comment	06-01-2005 HPSDB 3.0 S Dos Santos Command Header Parameters GBSCT000 GBSCS000 GBLEN000 GBACK000 GBTYP000 GBSTY000 GBFVN000 GBFTY000 GBFDF000 GBFSF000 GBFSH000 GBFPU000 GBFS8000
Comment	06-01-2005 HPSDB 3.0 S Dos Santos Associate the command header parameters to GX000000 GX002000
Comment	07-01-2005 HPSDB 3.0 S Dos Santos Add the TC packet Header GX001000 without Header
Comment	28-01-2005 HPSDB 3.0 S Dos Santos TM PSCID (3,10) add pi1Off=18 Pi1wd=2 TM PSCID (3,12) add pi1Off=18 Pi1wd=2
Comment	04-02-2005 HPSDB 3.0 S Dos Santos error on the TM PSCID (3,10), TM PSCID (3,12) replace pi2Off=1 by pi2Off=-1
Comment	25-03-2005 HPSDB 3.1.2 S Dos Santos Category flag changed from all to all except FDD
Comment	29-03-2005 Add 16 Spare parameters only for On Board Software
Comment	04-04-2005 Change Category flag=7 to CategoryFlag =3 on the GMSnn000
Comment	24-06-2005 Curves : G00014000, G00017000, G00027000 aligned to H-P-1-ASP-TN-0543 issue 1.4. Curves : G00011000, G00012000 aligned to H-P-1-ASP-TN-0543 issue 1.4 : Polynomial Curves (CurveUse set to M). Command Parameters : Addition of attributes IsMandatory (set to Y) ; ValueRep (set to R) ; DefaultValue (set to 0 for GPSxx000, null for GPACT000, GPABS000, GPRCD000, GPSTR000, GPSUB000).



<p> Comment</p>	<p>19-07-2005 S Dos Santos 1)Change Category flag=3 to CategoryFlag =7 on the GMSnn000 2)Add Long Description TM Packet Standard 000TMSD0000000 (H-P-1-ASP-0543) 3)Update Long Description of 000TMPS003025000 (H-P-1-ASP-0543) 4)Update Long Description of 000TMPS005004000 (H-P-1-ASP-0543) 5)Update Long Description of 000TMPS006006000 (H-P-1-ASP-0543) 6)Update Long Description of 000TMPS006010000 (H-P-1-ASP-0543) 7)Update Long Description of 000TMPS014007000 (H-P-1-ASP-0543) 8)Update Long Description of 000TMPS015013000 (H-P-1-ASP-0543) 9)Update Long Description of 000TMPS018015000 (H-P-1-ASP-0543) 10)Update Long Description of GPRCD000 (H-P-1-ASP-0543) 11)Update Long Description of G000019000 (H-P-1-ASP-0543) 12)Update (PTC,PFC) from enumerated type to unsigned integer on the following Parameters (H-P-1-ASP-0543) Because type (2,9), (2,10) (2,11) (2,13) (2,14) (2,15) are not defined on the PSICD (SCI-PT-ICD-07527) GMS09000 GMS10000 GMS11000 GMS12000 GMS13000 GMS14000 GMS15000 GMS16000 GES09000 GES10000 GES11000 GES12000 GES13000 GES14000 GES15000 GES16000 GPS09000 GPS10000 GPS11000 GPS12000 GPS13000 GPS14000 GPS15000 GPS16000 13)Change Desc of command Header parameter GBFDF000 SDesc=DFH to SDesc=DFH set to YES and LDesc=DFH to LDesc=Data Field Header Flag set to YES 14)Change Desc of command Header parameter GBFNF000 SDesc=DFH to SDesc=DFH set to NO and LDesc=DFH to LDesc=Data Field Header Flag set to NO 15)Change Long Desc of command Header parameter GBFSF000 Ldesc= Seq Flag to LDesc=Sequence Flag 16)Change Long Desc of command Header parameter GBFSH000" Ldesc= Sec Header to LDesc=Secondary Header 17)Change Desc of command Header parameter GBFPU000" SDesc=PUS to SDesc=PUS Version and Ldesc= PUS to LDesc=Tc Packet PUS Version</p>
<p> Comment</p>	<p>10-10-2005 S Dos Santos Add the textual curves G0000036000 DETECTED G0000037000 NOT DETECTED G0000038000 ARMED G0000039000 DISARMED G0000040000 YES G0000041000 NO G0000042000 START G0000043000 STOP</p>
<p> Comment</p>	<p>10-oct-2005 Requested By P Fini- AAS-I TMSD changed to include -1,0 for empty fields of all TM types</p>
<p> Comment</p>	<p>04-11-2005 S Dos Santos Add the UDC- Dynamic parameter GNENV000 Add the textual curves G0000044000</p>



Comment

08-Nov-05 Requested By P Fini- AAS-I
 TM_PSICD_TEMPL_GN Storage Selection Definition Report (15_6): Pi1Off set to -1 (was 16) and Pi1Wid set to 0 (was 8)

HPSDB

xmlns:xdb	http://xmlns.oracle.com/xdb
xmlns:xsi	http://www.w3.org/2001/XMLSchema-instance
xsi:noNamespac...	J:\1_users\C10780\HPSDB\XML\Schema\3_1_5\HPSDBschema_Input_3_1_5.xsd
TM_STD_TEMPL_GN	
Id	000TMSD0000000
ChangeReason	Generic Data
CfCode	7
SDesc	Tm Packet Standard
LDesc	Tm Standard Template common to Herschel and Planck
TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_TCAccepSuccess
LDesc	Telecommand Acceptance Report- Success (1_1)
TmStdTemplRef	000TMSD0000000
ServiceType	1
ServiceSubtype	1
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0
Pi2Off	-1
TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_TCAccepFailure
LDesc	Telecommand Acceptance Report - Failure (1_2)
TmStdTemplRef	000TMSD0000000
ServiceType	1
ServiceSubtype	2
Pi1Wid	16
Pi1Off	20
Pi2Wid	0
Pi2Off	-1
TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_TCExeStarted
LDesc	Telecommand Execution Report - Started (1_3)
TmStdTemplRef	000TMSD0000000
ServiceType	1
ServiceSubtype	3
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0
Pi2Off	-1
TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_TCExeProgress
LDesc	Telecommand Execution Report - Progress (1_5)
TmStdTemplRef	000TMSD0000000
ServiceType	1
ServiceSubtype	5
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0



	Pi2Off	-1
TM_PSICD_TEMPL_GN		
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_TCExeCompleted
	LDesc	Telecommand Execution Report - Completed (1_7)
	TmStdTemplRef	000TMSD0000000
	ServiceType	1
	ServiceSubtype	7
	Pi1Wid	0
	Pi1Off	-1
	Pi2Wid	0
	Pi2Off	-1
TM_PSICD_TEMPL_GN		
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_TCExeFailure
	LDesc	Telecommand Execution Report - Failure (1_8)
	TmStdTemplRef	000TMSD0000000
	ServiceType	1
	ServiceSubtype	8
	Pi1Wid	16
	Pi1Off	20
	Pi2Wid	0
	Pi2Off	-1
TM_PSICD_TEMPL_GN		
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_TCContents Report
	LDesc	Telecommand Contents Report (1_9)
	TmStdTemplRef	000TMSD0000000
	ServiceType	1
	ServiceSubtype	9
	Pi1Wid	0
	Pi1Off	-1
	Pi2Wid	0
	Pi2Off	-1
TM_PSICD_TEMPL_GN		
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_HKParameterDefReport
	LDesc	HK Parameter Report Definitions Report (3_10)
	TmStdTemplRef	000TMSD0000000
	ServiceType	3
	ServiceSubtype	10
	Pi1Wid	2
	Pi1Off	18
	Pi2Wid	0
	Pi2Off	-1
TM_PSICD_TEMPL_GN		
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_DiagnosticDefParameter
	LDesc	Diagnostic Parameter Report Definitions Report (3_12)
	TmStdTemplRef	000TMSD0000000
	ServiceType	3
	ServiceSubtype	12
	Pi1Wid	2



	Pi1Off	18
	Pi2Wid	0
	Pi2Off	-1
TM_PSICD_TEMPL_GN		
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_HKParameter Report
	LDesc	HK Parameter Report (3_25)
	TmStdTemplRef	000TMSD0000000
	ServiceType	3
	ServiceSubtype	25
	Pi1Wid	16
	Pi1Off	16
	Pi2Wid	0
	Pi2Off	-1
TM_PSICD_TEMPL_GN		
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_DiagnosticParameter
	LDesc	Diagnostic Parameter Report (3_26)
	TmStdTemplRef	000TMSD0000000
	ServiceType	3
	ServiceSubtype	26
	Pi1Wid	16
	Pi1Off	16
	Pi2Wid	0
	Pi2Off	-1
TM_PSICD_TEMPL_GN		
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_EventReport
	LDesc	Event Report (5_1)
	TmStdTemplRef	000TMSD0000000
	ServiceType	5
	ServiceSubtype	1
	Pi1Wid	16
	Pi1Off	16
	Pi2Wid	16
	Pi2Off	18
TM_PSICD_TEMPL_GN		
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_ExceptionReport
	LDesc	Exception Report (5_2)
	TmStdTemplRef	000TMSD0000000
	ServiceType	5
	ServiceSubtype	2
	Pi1Wid	16
	Pi1Off	16
	Pi2Wid	16
	Pi2Off	18
TM_PSICD_TEMPL_GN		
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_ErrorAlarmReport
	LDesc	Error_Alarm Report (5_4)
	TmStdTemplRef	000TMSD0000000
	ServiceType	5



ServiceSubtype	4
Pi1Wid	16
Pi1Off	16
Pi2Wid	16
Pi2Off	18
TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_MemDumpAbsAd
LDesc	Memory Dump Absolute Addresses (6_6)
TmStdTemplRef	000TMSD0000000
ServiceType	6
ServiceSubtype	6
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0
Pi2Off	-1
TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_MemCheckAbsAd
LDesc	Memory Check Report Absolute Addresses (6_10)
TmStdTemplRef	000TMSD0000000
ServiceType	6
ServiceSubtype	10
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0
Pi2Off	-1
TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_FunctionStatus
LDesc	Function Status Report (8_6)
TmStdTemplRef	000TMSD0000000
ServiceType	8
ServiceSubtype	6
Pi1Wid	16
Pi1Off	16
Pi2Wid	16
Pi2Off	18
TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_SREMDDataReport
LDesc	SREM Data Report (8_7)
TmStdTemplRef	000TMSD0000000
ServiceType	8
ServiceSubtype	7
Pi1Wid	16
Pi1Off	16
Pi2Wid	16
Pi2Off	18
TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_VMCDDataReport
LDesc	VMC Data Report (8_8)



TmStdTemplRef	000TMSD0000000
ServiceType	8
ServiceSubtype	8
Pi1Wid	16
Pi1Off	16
Pi2Wid	0
Pi2Off	-1

TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_MassMemDumpReport
LDesc	Mass Memory Dump Report (8_9)
TmStdTemplRef	000TMSD0000000
ServiceType	8
ServiceSubtype	9
Pi1Wid	16
Pi1Off	16
Pi2Wid	16
Pi2Off	18

TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_CentralTimeReference
LDesc	Central Time Reference (9_8)
TmStdTemplRef	000TMSD0000000
ServiceType	9
ServiceSubtype	8
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0
Pi2Off	-1

TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_TimeVerification
LDesc	Time Verification Report (9_9)
TmStdTemplRef	000TMSD0000000
ServiceType	9
ServiceSubtype	9
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0
Pi2Off	-1

TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7
SDesc	TM_DetailedSchedule
LDesc	Detailed Schedule Report (11_10)
TmStdTemplRef	000TMSD0000000
ServiceType	11
ServiceSubtype	10
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0
Pi2Off	-1

TM_PSICD_TEMPL_GN	
ChangeReason	Generic Data
CfCode	7



=	SDesc	TM_SummarySchedule
=	LDesc	Summary Schedule Report (11_13)
=	TmStdTemplRef	000TMSD0000000
=	ServiceType	11
=	ServiceSubtype	13
=	Pi1Wid	0
=	Pi1Off	-1
=	Pi2Wid	0
=	Pi2Off	-1
▲	TM_PSICD_TEMPL_GN	
=	ChangeReason	Generic Data
=	CfCode	7
=	SDesc	TM_CmdScheduleStatus
=	LDesc	Command Schedule Status Report (11_19)
=	TmStdTemplRef	000TMSD0000000
=	ServiceType	11
=	ServiceSubtype	19
=	Pi1Wid	0
=	Pi1Off	-1
=	Pi2Wid	0
=	Pi2Off	-1
▲	TM_PSICD_TEMPL_GN	
=	ChangeReason	Generic Data
=	CfCode	7
=	SDesc	TM_CurrentMonitorList
=	LDesc	Current Monitoring List Report (12_9)
=	TmStdTemplRef	000TMSD0000000
=	ServiceType	12
=	ServiceSubtype	9
=	Pi1Wid	0
=	Pi1Off	-1
=	Pi2Wid	0
=	Pi2Off	-1
▲	TM_PSICD_TEMPL_GN	
=	ChangeReason	Generic Data
=	CfCode	7
=	SDesc	TM_EnabTMPacket
=	LDesc	Enabled Telemetry Packets Report (14_4)
=	TmStdTemplRef	000TMSD0000000
=	ServiceType	14
=	ServiceSubtype	4
=	Pi1Wid	0
=	Pi1Off	-1
=	Pi2Wid	0
=	Pi2Off	-1
▲	TM_PSICD_TEMPL_GN	
=	ChangeReason	Generic Data
=	CfCode	7
=	SDesc	TM_DownLink
=	LDesc	TM Packets Downlink Stor Status Report (14_7)
=	TmStdTemplRef	000TMSD0000000
=	ServiceType	14
=	ServiceSubtype	7
=	Pi1Wid	0
=	Pi1Off	-1
=	Pi2Wid	0
=	Pi2Off	-1
▲	TM_PSICD_TEMPL_GN	



ChangeReason	Generic Data
CfCode	7
SDesc	TM_StorageSelectDef
LDesc	Storage Selection Definition Report (15_6)
TmStdTemplRef	000TMSD0000000
ServiceType	15
ServiceSubtype	6
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0
Pi2Off	-1

▲ **TM_PSICD_TEMPL_GN**

ChangeReason	Generic Data
CfCode	7
SDesc	TM_PacketStoresCatalogue
LDesc	Packet Stores Catalogue Report (15_13)
TmStdTemplRef	000TMSD0000000
ServiceType	15
ServiceSubtype	13
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0
Pi2Off	-1

▲ **TM_PSICD_TEMPL_GN**

ChangeReason	Generic Data
CfCode	7
SDesc	TM_ConnectionTest
LDesc	Connection Test Report (17_2)
TmStdTemplRef	000TMSD0000000
ServiceType	17
ServiceSubtype	2
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0
Pi2Off	-1

▲ **TM_PSICD_TEMPL_GN**

ChangeReason	Generic Data
CfCode	7
SDesc	TM_OnBoardCtProc
LDesc	On-board Control Procedures List Report (18_9)
TmStdTemplRef	000TMSD0000000
ServiceType	18
ServiceSubtype	9
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0
Pi2Off	-1

▲ **TM_PSICD_TEMPL_GN**

ChangeReason	Generic Data
CfCode	7
SDesc	TM_ActiveOBCPList
LDesc	Active OBCPs List Report (18_11)
TmStdTemplRef	000TMSD0000000
ServiceType	18
ServiceSubtype	11
Pi1Wid	0
Pi1Off	-1
Pi2Wid	0



	Pi2Off	-1
▲	TM_PSICD_TEMPL_GN	
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_OBCPStatus
	LDesc	OBCP Status Report (18_13)
	TmStdTemplRef	000TMSD0000000
	ServiceType	18
	ServiceSubtype	13
	Pi1Wid	0
	Pi1Off	-1
	Pi2Wid	0
	Pi2Off	-1
▲	TM_PSICD_TEMPL_GN	
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_OBCPContents
	LDesc	OBCP Contents Report (18_15)
	TmStdTemplRef	000TMSD0000000
	ServiceType	18
	ServiceSubtype	15
	Pi1Wid	0
	Pi1Off	-1
	Pi2Wid	0
	Pi2Off	-1
▲	TM_PSICD_TEMPL_GN	
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_EventDetecList
	LDesc	Event Detection List Report (19_7)
	TmStdTemplRef	000TMSD0000000
	ServiceType	19
	ServiceSubtype	7
	Pi1Wid	0
	Pi1Off	-1
	Pi2Wid	0
	Pi2Off	-1
▲	TM_PSICD_TEMPL_GN	
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_NominalScienceData
	LDesc	Nominal Science Data Report (21_1)
	TmStdTemplRef	000TMSD0000000
	ServiceType	21
	ServiceSubtype	1
	Pi1Wid	16
	Pi1Off	16
	Pi2Wid	0
	Pi2Off	-1
▲	TM_PSICD_TEMPL_GN	
	ChangeReason	Generic Data
	CfCode	7
	SDesc	TM_ScienceTypeBData
	LDesc	Science Type B Data Report (21_2)
	TmStdTemplRef	000TMSD0000000
	ServiceType	21
	ServiceSubtype	2
	Pi1Wid	16



	≡ Pi1Off	16
	≡ Pi2Wid	0
	≡ Pi2Off	-1
▲ TM_PSICD_TEMPL_GN		
	≡ ChangeReason	Generic Data
	≡ CfCode	7
	≡ SDesc	TM_DiagScienceData
	≡ LDesc	Diagnostic Science Data Report (21_3)
	≡ TmStdTemplRef	000TMSD0000000
	≡ ServiceType	21
	≡ ServiceSubtype	3
	≡ Pi1Wid	16
	≡ Pi1Off	16
	≡ Pi2Wid	0
	≡ Pi2Off	-1
▲ TM_PSICD_TEMPL_GN		
	≡ ChangeReason	Generic Data
	≡ CfCode	7
	≡ SDesc	TM_AuxScienceData
	≡ LDesc	Auxiliary Science Data Report (21_4)
	≡ TmStdTemplRef	000TMSD0000000
	≡ ServiceType	21
	≡ ServiceSubtype	4
	≡ Pi1Wid	16
	≡ Pi1Off	16
	≡ Pi2Wid	0
	≡ Pi2Off	-1
▲ COMMAND_HEADER_PAR_GN		
	≡ Id	GBAPD000
	≡ ChangeReason	Generic Data
	≡ CfCode	7
	≡ SDesc	APID
	≡ LDesc	Packet APID
	≡ PsicdPCodePtc	3
	≡ PsicdPCodePfc	7
	≡ CmdhType	A
	≡ CalibType	N
	≡ HasLimitCalibrat...	N
	≡ CmdhValue	0
	≡ RawRadix	D
▲ COMMAND_HEADER_PAR_GN		
	≡ Id	GBSCT000
	≡ ChangeReason	Generic Data
	≡ CfCode	7
	≡ SDesc	Seq Count - Source
	≡ LDesc	Sequence Count - Source Part
	≡ PsicdPCodePtc	2
	≡ PsicdPCodePfc	3
	≡ CmdhType	P
	≡ CalibType	N
	≡ HasLimitCalibrat...	N
	≡ CmdhValue	0
	≡ RawRadix	D
▲ COMMAND_HEADER_PAR_GN		
	≡ Id	GBSCS000
	≡ ChangeReason	Generic Data
	≡ CfCode	7
	≡ SDesc	Seq Count - Seq



▣ LDesc	Sequence Count – Sequence Part
▣ PsicdPCodePtc	3
▣ PsicdPCodePfc	7
▣ CmdhType	P
▣ CalibType	N
▣ HasLimitCalibrat...	N
▣ CmdhValue	0
▣ RawRadix	D

▲ COMMAND_HEADER_PAR_GN

▣ Id	GBLEN000
▣ ChangeReason	Generic Data
▣ CfCode	7
▣ SDesc	Packet Length
▣ LDesc	Packet Length
▣ PsicdPCodePtc	3
▣ PsicdPCodePfc	12
▣ CmdhType	P
▣ CalibType	N
▣ HasLimitCalibrat...	N
▣ CmdhValue	0
▣ RawRadix	D

▲ COMMAND_HEADER_PAR_GN

▣ Id	GBACK000
▣ ChangeReason	Generic Data
▣ CfCode	7
▣ SDesc	Ack
▣ LDesc	Acknowledgement
▣ PsicdPCodePtc	2
▣ PsicdPCodePfc	4
▣ CmdhType	K
▣ CalibType	N
▣ HasLimitCalibrat...	N
▣ CmdhValue	0
▣ RawRadix	D

▲ COMMAND_HEADER_PAR_GN

▣ Id	GBTYP000
▣ ChangeReason	Generic Data
▣ CfCode	7
▣ SDesc	Packet Type
▣ LDesc	Packet Type
▣ PsicdPCodePtc	2
▣ PsicdPCodePfc	8
▣ CmdhType	T
▣ CalibType	N
▣ HasLimitCalibrat...	N
▣ CmdhValue	0
▣ RawRadix	D

▲ COMMAND_HEADER_PAR_GN

▣ Id	GBSTY000
▣ ChangeReason	Generic Data
▣ CfCode	7
▣ SDesc	Packet Subtype
▣ LDesc	Packet Subtype
▣ PsicdPCodePtc	2
▣ PsicdPCodePfc	8
▣ CmdhType	S
▣ CalibType	N
▣ HasLimitCalibrat...	N



	CmdhValue	0
	RawRadix	D
COMMAND_HEADER_PAR_GN		
	Id	GBFVN000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	Version Number
	LDesc	Version Number
	PsicdPCodePtc	2
	PsicdPCodePfc	3
	CmdhType	F
	CalibType	N
	HasLimitCalibrat...	N
	CmdhValue	0
	RawRadix	D
COMMAND_HEADER_PAR_GN		
	Id	GBFTY000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	Type
	LDesc	Type
	PsicdPCodePtc	2
	PsicdPCodePfc	1
	CmdhType	F
	CalibType	N
	HasLimitCalibrat...	N
	CmdhValue	1
	RawRadix	D
COMMAND_HEADER_PAR_GN		
	Id	GBFDF000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	DFH set to YES
	LDesc	Data Field Header Flag set to YES
	PsicdPCodePtc	2
	PsicdPCodePfc	1
	CmdhType	F
	CalibType	N
	HasLimitCalibrat...	N
	CmdhValue	1
	RawRadix	D
COMMAND_HEADER_PAR_GN		
	Id	GBFNF000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	DFH set to NO
	LDesc	Data Field Header Flag set to NO
	PsicdPCodePtc	2
	PsicdPCodePfc	1
	CmdhType	F
	CalibType	N
	HasLimitCalibrat...	N
	CmdhValue	0
	RawRadix	D
COMMAND_HEADER_PAR_GN		
	Id	GBFSF000
	ChangeReason	Generic Data
	CfCode	7



SDesc	Seq Flag
LDesc	Sequence Flag
PsicdPCodePtc	2
PsicdPCodePfc	2
CmdhType	F
CalibType	N
HasLimitCalibrat...	N
CmdhValue	3
RawRadix	D

COMMAND_HEADER_PAR_GN

Id	GBFSH000
ChangeReason	Generic Data
CfCode	7
SDesc	Sec Header
LDesc	Secondary Header
PsicdPCodePtc	2
PsicdPCodePfc	1
CmdhType	F
CalibType	N
HasLimitCalibrat...	N
CmdhValue	0
RawRadix	D

COMMAND_HEADER_PAR_GN

Id	GBFPU000
ChangeReason	Generic Data
CfCode	7
SDesc	PUS Version
LDesc	Tc Packet PUS Version
PsicdPCodePtc	2
PsicdPCodePfc	3
CmdhType	F
CalibType	N
HasLimitCalibrat...	N
CmdhValue	0
RawRadix	D

COMMAND_HEADER_PAR_GN

Id	GBFS8000
ChangeReason	Generic Data
CfCode	7
SDesc	Spare
LDesc	Spare
PsicdPCodePtc	2
PsicdPCodePfc	8
CmdhType	F
CalibType	N
HasLimitCalibrat...	N
CmdhValue	0
RawRadix	D

TCH_GN

Id	GX000000
CfCode	7
SDesc	TC_PacketHeader_DFHis1
LDesc	TC Packet Header with Data field Header (DFH=1)
ChangeReason	Generic Data

TCH_EL_LIST

TCH_EL (14)

BitOffset	CmdhParRef
1 0	GBFVN000



2	3	GBFTY000
3	4	GBFDF000
4	5	GBAPD000
5	16	GBFSF000
6	18	GBSCT000
7	21	GBSCS000
8	32	GBLEN000
9	48	GBFSH000
10	49	GBFPU000
11	52	GBACK000
12	56	GBTYP000
13	64	GBSTY000
14	72	GBFS8000

▲ TCH_GN	
Id	GX001000
CfCode	7
SDesc	TC_Header_Without_Header
LDesc	TC Packet Header without Header
ChangeReason	Generic Data

▲ TCH_GN	
Id	GX002000
CfCode	7
SDesc	TC packet header
LDesc	TC Packet Header with DFH=0
ChangeReason	Generic Data

▲ TCH_EL_LIST		
▲ TCH_EL (8)		
	BitOffset	CmdhParRef
1	0	GBFVN000
2	3	GBFTY000
3	4	GBFNF000
4	5	GBAPD000
5	16	GBFSF000
6	18	GBSCT000
7	21	GBSCS000
8	32	GBLEN000

▲ COMMAND_PAR_GN	
Id	GPACT000
ChangeReason	Generic Data
CfCode	7
SDesc	Activity Id
LDesc	Mandatory but not used in AIT. Forced to 0.
PsicdPCodePtc	2
PsicdPCodePfc	8
CalibType	N
HasLimitCalibrat...	N
ValueRep	R
RawRadix	H

▲ COMMAND_PAR_GN	
Id	GPABS000
ChangeReason	Generic Data
CfCode	7
SDesc	Absolute Time-Tag
LDesc	Absolute Time-Tag
PsicdPCodePtc	9
PsicdPCodePfc	17
CalibType	N
HasLimitCalibrat...	N



	= ValueRep	R
	= RawRadix	H
▲ COMMAND_PAR_GN		
	= Id	GPRCD000
	= ChangeReason	Generic Data
	= CfCode	7
	= SDesc	RC Ident
	= LDesc	RC Id identify the command to be executed on SCOE (identified by APID)
	= PsicdPCodePtc	2
	= PsicdPCodePfc	8
	= CalibType	N
	= HasLimitCalibrat...	N
	= ValueRep	R
	= RawRadix	H
▲ COMMAND_PAR_GN		
	= Id	GPS01000
	= ChangeReason	Generic Data
	= CfCode	7
	= DefaultValue	0
	= SDesc	SPARE_1_BIT
	= LDesc	Spare 1 bit
	= PsicdPCodePtc	2
	= PsicdPCodePfc	1
	= CalibType	N
	= HasLimitCalibrat...	N
	= ValueRep	R
	= RawRadix	D
▲ COMMAND_PAR_GN		
	= Id	GPS02000
	= ChangeReason	Generic Data
	= CfCode	7
	= DefaultValue	0
	= SDesc	SPARE_2_BIT
	= LDesc	Spare 2 bits
	= PsicdPCodePtc	2
	= PsicdPCodePfc	2
	= CalibType	N
	= HasLimitCalibrat...	N
	= ValueRep	R
	= RawRadix	D
▲ COMMAND_PAR_GN		
	= Id	GPS03000
	= ChangeReason	Generic Data
	= CfCode	7
	= DefaultValue	0
	= SDesc	SPARE_3_BIT
	= LDesc	Spare 3 bits
	= PsicdPCodePtc	2
	= PsicdPCodePfc	3
	= CalibType	N
	= HasLimitCalibrat...	N
	= ValueRep	R
	= RawRadix	D
▲ COMMAND_PAR_GN		
	= Id	GPS04000
	= ChangeReason	Generic Data
	= CfCode	7
	= DefaultValue	0



SDesc	SPARE_4_BIT
LDesc	Spare 4 bits
PsicdPCodePtc	2
PsicdPCodePfc	4
CalibType	N
HasLimitCalibrat...	N
ValueRep	R
RawRadix	D

▲ COMMAND_PAR_GN

Id	GPS05000
ChangeReason	Generic Data
CfCode	7
DefaultValue	0
SDesc	SPARE_5_BIT
LDesc	Spare 5 bits
PsicdPCodePtc	2
PsicdPCodePfc	5
CalibType	N
HasLimitCalibrat...	N
ValueRep	R
RawRadix	D

▲ COMMAND_PAR_GN

Id	GPS06000
ChangeReason	Generic Data
CfCode	7
DefaultValue	0
SDesc	SPARE_6_BIT
LDesc	Spare 6 bits
PsicdPCodePtc	2
PsicdPCodePfc	6
CalibType	N
HasLimitCalibrat...	N
ValueRep	R
RawRadix	D

▲ COMMAND_PAR_GN

Id	GPS07000
ChangeReason	Generic Data
CfCode	7
DefaultValue	0
SDesc	SPARE_7_BIT
LDesc	Spare 7 bits
PsicdPCodePtc	2
PsicdPCodePfc	7
CalibType	N
HasLimitCalibrat...	N
ValueRep	R
RawRadix	D

▲ COMMAND_PAR_GN

Id	GPS08000
ChangeReason	Generic Data
CfCode	7
DefaultValue	0
SDesc	SPARE_8_BIT
LDesc	Spare 8 bits
PsicdPCodePtc	2
PsicdPCodePfc	8
CalibType	N
HasLimitCalibrat...	N



	= ValueRep	R
	= RawRadix	D
▲	COMMAND_PAR_GN	
	= Id	GPS09000
	= ChangeReason	Generic Data
	= CfCode	7
	= DefaultValue	0
	= SDesc	SPARE_9_BIT
	= LDesc	Spare 9 bits
	= PsicdPCodePtc	3
	= PsicdPCodePfc	5
	= CalibType	N
	= HasLimitCalibrat...	N
	= ValueRep	R
	= RawRadix	D
▲	COMMAND_PAR_GN	
	= Id	GPS10000
	= ChangeReason	Generic Data
	= CfCode	7
	= DefaultValue	0
	= SDesc	SPARE_10_BIT
	= LDesc	Spare 10 bits
	= PsicdPCodePtc	3
	= PsicdPCodePfc	6
	= CalibType	N
	= HasLimitCalibrat...	N
	= ValueRep	R
	= RawRadix	D
▲	COMMAND_PAR_GN	
	= Id	GPS11000
	= ChangeReason	Generic Data
	= CfCode	7
	= DefaultValue	0
	= SDesc	SPARE_11_BIT
	= LDesc	Spare 11 bits
	= PsicdPCodePtc	3
	= PsicdPCodePfc	7
	= CalibType	N
	= HasLimitCalibrat...	N
	= ValueRep	R
	= RawRadix	D
▲	COMMAND_PAR_GN	
	= Id	GPS12000
	= ChangeReason	Generic Data
	= CfCode	7
	= DefaultValue	0
	= SDesc	SPARE_12_BIT
	= LDesc	Spare 12 bits
	= PsicdPCodePtc	3
	= PsicdPCodePfc	8
	= CalibType	N
	= HasLimitCalibrat...	N
	= ValueRep	R
	= RawRadix	D
▲	COMMAND_PAR_GN	
	= Id	GPS13000
	= ChangeReason	Generic Data
	= CfCode	7



DefaultValue	0
SDesc	SPARE_13_BIT
LDesc	Spare 13 bits
PsicdPCodePtc	3
PsicdPCodePfc	9
CalibType	N
HasLimitCalibrat...	N
ValueRep	R
RawRadix	D

▲ COMMAND_PAR_GN

Id	GPS14000
ChangeReason	Generic Data
CfCode	7
DefaultValue	0
SDesc	SPARE_14_BIT
LDesc	Spare 14 bits
PsicdPCodePtc	3
PsicdPCodePfc	10
CalibType	N
HasLimitCalibrat...	N
ValueRep	R
RawRadix	D

▲ COMMAND_PAR_GN

Id	GPS15000
ChangeReason	Generic Data
CfCode	7
DefaultValue	0
SDesc	SPARE_15_BIT
LDesc	Spare 15 bits
PsicdPCodePtc	3
PsicdPCodePfc	11
CalibType	N
HasLimitCalibrat...	N
ValueRep	R
RawRadix	D

▲ COMMAND_PAR_GN

Id	GPS16000
ChangeReason	Generic Data
CfCode	7
DefaultValue	0
SDesc	SPARE_16_BIT
LDesc	Spare 16 bits
PsicdPCodePtc	3
PsicdPCodePfc	12
CalibType	N
HasLimitCalibrat...	N
ValueRep	R
RawRadix	D

▲ COMMAND_PAR_GN

Id	GPSTR000
ChangeReason	Generic Data
CfCode	7
SDesc	Structure Id
LDesc	Structure Ident Field
PsicdPCodePtc	2
PsicdPCodePfc	16
CalibType	N
HasLimitCalibrat...	N



	ValueRep	R
	RawRadix	H
COMMAND_PAR_GN		
	Id	GPSUB000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	Sub-Schedule for TTs
	LDesc	Sub-Schedule for TTs
	PsicdPCodePtc	3
	PsicdPCodePfc	12
	CalibType	N
	HasLimitCalibrat...	N
	ValueRep	R
	RawRadix	H
TC_GN		
	Id	GC0TT000
	SDesc	Load Command on the MTL
	LDesc	Insert MTL-Telecommands in Command Schedule
	PlanType	N
	CmdType	N
	IsStandAlone	Y
	ApidCode	16
	Mapid	1
	ServiceType	11
	ServiceSubtype	4
	AcceptanceAck	N
	StartAck	N
	ProgressAck	N
	CompletionAck	N
	IsCritical	N
	Ccflscope	N
	IStage	C
	IsForbidden	N
	CfCode	7
	ChangeReason	Generic Data
	TchRef	GX000000
TC_STR_DEF_LIST		
TC_STR_DEF		
	StartBit	0
	NTimes	1
	CmdParRef	GPABS000
	ValueRep	R
	TakesDefault	N
	TakesDynamicD...	N
	Ord	1
	TcStrType	E
	OffsetByte	0
TC_STR_DEF		
	StartBit	0
	NTimes	1
	CmdParRef	GPSUB000
	ValueRep	R
	TakesDefault	N
	TakesDynamicD...	N
	Ord	2
	TcStrType	E
	OffsetByte	6
ACQUISITION_PAR_GN		



Id	GES01000
ChangeReason	Generic Data
CfCode	4
SDesc	OBSWSPAR_1_BIT
LDesc	OBSW Spare 1 bit
PsicdPCodePtc	2
PsicdPCodePfc	1
CalibType	N
HasLimitCalibrat...	N
IsFixed	N

▲ ACQUISITION_PAR_GN

Id	GES02000
ChangeReason	Generic Data
CfCode	4
SDesc	OBSWSPAR_2_BIT
LDesc	OBSW Spare 2 bits
PsicdPCodePtc	2
PsicdPCodePfc	2
CalibType	N
HasLimitCalibrat...	N
IsFixed	N

▲ ACQUISITION_PAR_GN

Id	GES03000
ChangeReason	Generic Data
CfCode	4
SDesc	OBSWSPAR_3_BIT
LDesc	OBSW Spare 3 bits
PsicdPCodePtc	2
PsicdPCodePfc	3
CalibType	N
HasLimitCalibrat...	N
IsFixed	N

▲ ACQUISITION_PAR_GN

Id	GES04000
ChangeReason	Generic Data
CfCode	4
SDesc	OBSWSPAR_4_BIT
LDesc	OBSW Spare 4 bits
PsicdPCodePtc	2
PsicdPCodePfc	4
CalibType	N
HasLimitCalibrat...	N
IsFixed	N

▲ ACQUISITION_PAR_GN

Id	GES05000
ChangeReason	Generic Data
CfCode	4
SDesc	OBSWSPAR_5_BIT
LDesc	OBSW Spare 5 bits
PsicdPCodePtc	2
PsicdPCodePfc	5
CalibType	N
HasLimitCalibrat...	N
IsFixed	N

▲ ACQUISITION_PAR_GN

Id	GES06000
ChangeReason	Generic Data
CfCode	4



= SDesc	OBSWSPAR_6_BIT
= LDesc	OBSW Spare 6 bits
= PsicdPCodePtc	2
= PsicdPCodePfc	6
= CalibType	N
= HasLimitCalibrat...	N
= IsFixed	N

▲ ACQUISITION_PAR_GN

= Id	GES07000
= ChangeReason	Generic Data
= CfCode	4
= SDesc	OBSWSPAR_7_BIT
= LDesc	OBSW Spare 7 bits
= PsicdPCodePtc	2
= PsicdPCodePfc	7
= CalibType	N
= HasLimitCalibrat...	N
= IsFixed	N

▲ ACQUISITION_PAR_GN

= Id	GES08000
= ChangeReason	Generic Data
= CfCode	4
= SDesc	OBSWSPAR_8_BIT
= LDesc	OBSW Spare 8 bits
= PsicdPCodePtc	2
= PsicdPCodePfc	8
= CalibType	N
= HasLimitCalibrat...	N
= IsFixed	N

▲ ACQUISITION_PAR_GN

= Id	GES09000
= ChangeReason	Generic Data
= CfCode	4
= SDesc	OBSWSPAR_9_BIT
= LDesc	OBSW Spare 9 bits
= PsicdPCodePtc	3
= PsicdPCodePfc	5
= CalibType	N
= HasLimitCalibrat...	N
= IsFixed	N

▲ ACQUISITION_PAR_GN

= Id	GES10000
= ChangeReason	Generic Data
= CfCode	4
= SDesc	OBSWSPAR_10_BIT
= LDesc	OBSW Spare 10 bits
= PsicdPCodePtc	3
= PsicdPCodePfc	6
= CalibType	N
= HasLimitCalibrat...	N
= IsFixed	N

▲ ACQUISITION_PAR_GN

= Id	GES11000
= ChangeReason	Generic Data
= CfCode	4
= SDesc	OBSWSPAR_11_BIT
= LDesc	OBSW Spare 11 bits
= PsicdPCodePtc	3



	PsicdPCodePfc	7
	CalibType	N
	HasLimitCalibrat...	N
	IsFixed	N
▲ ACQUISITION_PAR_GN		
	Id	GES12000
	ChangeReason	Generic Data
	CfCode	4
	SDesc	OBSWSPAR_12_BIT
	LDesc	OBSW Spare 12 bits
	PsicdPCodePtc	3
	PsicdPCodePfc	8
	CalibType	N
	HasLimitCalibrat...	N
	IsFixed	N
▲ ACQUISITION_PAR_GN		
	Id	GES13000
	ChangeReason	Generic Data
	CfCode	4
	SDesc	OBSWSPAR_13_BIT
	LDesc	OBSW Spare 13 bits
	PsicdPCodePtc	3
	PsicdPCodePfc	9
	CalibType	N
	HasLimitCalibrat...	N
	IsFixed	N
▲ ACQUISITION_PAR_GN		
	Id	GES14000
	ChangeReason	Generic Data
	CfCode	4
	SDesc	OBSWSPAR_14_BIT
	LDesc	OBSW Spare 14 bits
	PsicdPCodePtc	3
	PsicdPCodePfc	10
	CalibType	N
	HasLimitCalibrat...	N
	IsFixed	N
▲ ACQUISITION_PAR_GN		
	Id	GES15000
	ChangeReason	Generic Data
	CfCode	4
	SDesc	OBSWSPAR_15_BIT
	LDesc	OBSW Spare 15 bits
	PsicdPCodePtc	3
	PsicdPCodePfc	11
	CalibType	N
	HasLimitCalibrat...	N
	IsFixed	N
▲ ACQUISITION_PAR_GN		
	Id	GES16000
	ChangeReason	Generic Data
	CfCode	4
	SDesc	OBSWSPAR_16_BIT
	LDesc	OBSW Spare 16 bits
	PsicdPCodePtc	3
	PsicdPCodePfc	12
	CalibType	N
	HasLimitCalibrat...	N



	IsFixed	N
▲	ACQUISITION_PAR_GN	
	Id	GMS01000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	SPARE_1_BIT
	LDesc	Spare 1 bit
	PsicdPCodePtc	2
	PsicdPCodePfc	1
	CalibType	N
	HasLimitCalibrat...	N
	IsFixed	N
▲	ACQUISITION_PAR_GN	
	Id	GMS02000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	SPARE_2_BIT
	LDesc	Spare 2 bits
	PsicdPCodePtc	2
	PsicdPCodePfc	2
	CalibType	N
	HasLimitCalibrat...	N
	IsFixed	N
▲	ACQUISITION_PAR_GN	
	Id	GMS03000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	SPARE_3_BIT
	LDesc	Spare 3 bits
	PsicdPCodePtc	2
	PsicdPCodePfc	3
	CalibType	N
	HasLimitCalibrat...	N
	IsFixed	N
▲	ACQUISITION_PAR_GN	
	Id	GMS04000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	SPARE_4_BIT
	LDesc	Spare 4 bits
	PsicdPCodePtc	2
	PsicdPCodePfc	4
	CalibType	N
	HasLimitCalibrat...	N
	IsFixed	N
▲	ACQUISITION_PAR_GN	
	Id	GMS05000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	SPARE_5_BIT
	LDesc	Spare 5 bits
	PsicdPCodePtc	2
	PsicdPCodePfc	5
	CalibType	N
	HasLimitCalibrat...	N
	IsFixed	N
▲	ACQUISITION_PAR_GN	
	Id	GMS06000



ChangeReason	Generic Data
CfCode	7
SDesc	SPARE_6_BIT
LDesc	Spare 6 bits
PsicdPCodePtc	2
PsicdPCodePfc	6
CalibType	N
HasLimitCalibrat...	N
IsFixed	N

▲ ACQUISITION_PAR_GN

Id	GMS07000
ChangeReason	Generic Data
CfCode	7
SDesc	SPARE_7_BIT
LDesc	Spare 7 bits
PsicdPCodePtc	2
PsicdPCodePfc	7
CalibType	N
HasLimitCalibrat...	N
IsFixed	N

▲ ACQUISITION_PAR_GN

Id	GMS08000
ChangeReason	Generic Data
CfCode	7
SDesc	SPARE_8_BIT
LDesc	Spare 8 bits
PsicdPCodePtc	2
PsicdPCodePfc	8
CalibType	N
HasLimitCalibrat...	N
IsFixed	N

▲ ACQUISITION_PAR_GN

Id	GMS09000
ChangeReason	Generic Data
CfCode	7
SDesc	SPARE_9_BIT
LDesc	Spare 9 bits
PsicdPCodePtc	3
PsicdPCodePfc	5
CalibType	N
HasLimitCalibrat...	N
IsFixed	N

▲ ACQUISITION_PAR_GN

Id	GMS10000
ChangeReason	Generic Data
CfCode	7
SDesc	SPARE_10_BIT
LDesc	Spare 10 bits
PsicdPCodePtc	3
PsicdPCodePfc	6
CalibType	N
HasLimitCalibrat...	N
IsFixed	N

▲ ACQUISITION_PAR_GN

Id	GMS11000
ChangeReason	Generic Data
CfCode	7
SDesc	SPARE_11_BIT



=	LDesc	Spare 11 bits
=	PsicdPCodePtc	3
=	PsicdPCodePfc	7
=	CalibType	N
=	HasLimitCalibrat...	N
=	IsFixed	N
▲	ACQUISITION_PAR_GN	
=	Id	GMS12000
=	ChangeReason	Generic Data
=	CfCode	7
=	SDesc	SPARE_12_BIT
=	LDesc	Spare 12 bits
=	PsicdPCodePtc	3
=	PsicdPCodePfc	8
=	CalibType	N
=	HasLimitCalibrat...	N
=	IsFixed	N
▲	ACQUISITION_PAR_GN	
=	Id	GMS13000
=	ChangeReason	Generic Data
=	CfCode	7
=	SDesc	SPARE_13_BIT
=	LDesc	Spare 13 bits
=	PsicdPCodePtc	3
=	PsicdPCodePfc	9
=	CalibType	N
=	HasLimitCalibrat...	N
=	IsFixed	N
▲	ACQUISITION_PAR_GN	
=	Id	GMS14000
=	ChangeReason	Generic Data
=	CfCode	7
=	SDesc	SPARE_14_BIT
=	LDesc	Spare 14 bits
=	PsicdPCodePtc	3
=	PsicdPCodePfc	10
=	CalibType	N
=	HasLimitCalibrat...	N
=	IsFixed	N
▲	ACQUISITION_PAR_GN	
=	Id	GMS15000
=	ChangeReason	Generic Data
=	CfCode	7
=	SDesc	SPARE_15_BIT
=	LDesc	Spare 15 bits
=	PsicdPCodePtc	3
=	PsicdPCodePfc	11
=	CalibType	N
=	HasLimitCalibrat...	N
=	IsFixed	N
▲	ACQUISITION_PAR_GN	
=	Id	GMS16000
=	ChangeReason	Generic Data
=	CfCode	7
=	SDesc	SPARE_16_BIT
=	LDesc	Spare 16 bits
=	PsicdPCodePtc	3
=	PsicdPCodePfc	12



CalibType	N
HasLimitCalibrat...	N
IsFixed	N
TEXTUAL_CURVE_GN	
Id	G000001000
ChangeReason	Generic Data
CfCode	7
SDesc	OFF
LDesc	1 is OFF 0 is ON
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	ON
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	OFF
TEXTUAL_CURVE_GN	
Id	G000002000
ChangeReason	Generic Data
CfCode	7
SDesc	ON
LDesc	1 is ON 0 is OFF
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	OFF
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	ON
TEXTUAL_CURVE_GN	
Id	G000003000
ChangeReason	Generic Data
CfCode	7
SDesc	NOMINAL
LDesc	1 is NOMINAL 0 is REDUNDANT
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	REDUNDANT
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	NOMINAL
TEXTUAL_CURVE_GN	
Id	G000004000
ChangeReason	Generic Data
CfCode	7
SDesc	REDUNDANT



LDesc	1 is REDUNDANT 0 is NOMINAL
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	NOMINAL
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	REDUNDANT
TEXTUAL_CURVE_GN	
Id	G000005000
ChangeReason	Generic Data
CfCode	7
SDesc	OK
LDesc	1 is OK 0 is FAULT
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	FAULT
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	OK
TEXTUAL_CURVE_GN	
Id	G000006000
ChangeReason	Generic Data
CfCode	7
SDesc	FAULT
LDesc	1 is FAULT 0 is OK
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	OK
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	FAULT
TEXTUAL_CURVE_GN	
Id	G000007000
ChangeReason	Generic Data
CfCode	7
SDesc	ACTIVE
LDesc	1 is ACTIVE 0 is NOTACTIVE
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	NOTACTIVE



		<table border="1"> <tr><td>LowRawParValue</td><td>1</td></tr> <tr><td>HighRawParValue</td><td>1</td></tr> <tr><td>StatusText</td><td>ACTIVE</td></tr> </table>		LowRawParValue	1	HighRawParValue	1	StatusText	ACTIVE																																																																						
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SDesc	TRUE
LDesc	1 TRUE 0 is FALSE
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	FALSE
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	TRUE

TEXTUAL_CURVE_GN	
Id	G000014000
ChangeReason	Generic Data
CfCode	7
SDesc	TRIPPED
LDesc	1 TRIPPED 0 is OK
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	OK
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	TRIPPED

TEXTUAL_CURVE_GN	
Id	G000015000
ChangeReason	Generic Data
CfCode	7
SDesc	BUS_B
LDesc	1 BUS_B 0 BUS_A
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	BUS_A
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	BUS_B

TEXTUAL_CURVE_GN	
Id	G000016000
ChangeReason	Generic Data
CfCode	7
SDesc	REMOTE
LDesc	1 REMOTE 0 LOCAL
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0



		= StatusText	LOCAL
▲ DIG_POINT		= LowRawParValue	1
		= HighRawParValue	1
		= StatusText	REMOTE
▲ TEXTUAL_CURVE_GN			
= Id	G000017000		
= ChangeReason	Generic Data		
= CfCode	7		
= SDesc	ENABLED		
= LDesc	1 ENABLED 0 DISABLED		
= CurveUse	B		
= RawFormat	U		
▲ DIG_POINT_LIST			
▲ DIG_POINT		= LowRawParValue	0
		= HighRawParValue	0
		= StatusText	DISABLED
▲ DIG_POINT		= LowRawParValue	1
		= HighRawParValue	1
		= StatusText	ENABLED
▲ TEXTUAL_CURVE_GN			
= Id	G000018000		
= ChangeReason	Generic Data		
= CfCode	7		
= SDesc	STOP_RUN_PAUSE		
= LDesc	0 is STOP 1 is RUN 2 is PAUSE		
= CurveUse	B		
= RawFormat	U		
▲ DIG_POINT_LIST			
▲ DIG_POINT		= LowRawParValue	0
		= HighRawParValue	0
		= StatusText	STOP
▲ DIG_POINT		= LowRawParValue	1
		= HighRawParValue	1
		= StatusText	RUN
▲ DIG_POINT		= LowRawParValue	2
		= HighRawParValue	2
		= StatusText	PAUSE
▲ TEXTUAL_CURVE_GN			
= Id	G000019000		
= ChangeReason	Generic Data		
= CfCode	7		
= SDesc	STATUS		
= LDesc	0 is CONFIG 1 is IDLE 2 is OPERATIONAL is 3 ERROR		
= CurveUse	B		
= RawFormat	U		
▲ DIG_POINT_LIST			
▲ DIG_POINT		= LowRawParValue	0
		= HighRawParValue	0
		= StatusText	CONFIG
▲ DIG_POINT		= LowRawParValue	1
		= HighRawParValue	1



		StatusText	IDLE
▲ DIG_POINT		LowRawParValue	2
		HighRawParValue	2
		StatusText	OPERATION
▲ DIG_POINT		LowRawParValue	3
		HighRawParValue	3
		StatusText	ERROR
▲ TEXTUAL_CURVE_GN			
Id	G000020000		
ChangeReason	Generic Data		
CfCode	7		
SDesc	PASSED		
LDesc	1 PASSED 0 FAILED		
CurveUse	B		
RawFormat	U		
▲ DIG_POINT_LIST			
▲ DIG_POINT		LowRawParValue	0
		HighRawParValue	0
		StatusText	FAILED
▲ DIG_POINT		LowRawParValue	1
		HighRawParValue	1
		StatusText	PASSED
▲ TEXTUAL_CURVE_GN			
Id	G000021000		
ChangeReason	Generic Data		
CfCode	7		
SDesc	ONLINE		
LDesc	1 ONLINE 0 is OFFLINE		
CurveUse	B		
RawFormat	U		
▲ DIG_POINT_LIST			
▲ DIG_POINT		LowRawParValue	0
		HighRawParValue	0
		StatusText	OFFLINE
▲ DIG_POINT		LowRawParValue	1
		HighRawParValue	1
		StatusText	ONLINE
▲ TEXTUAL_CURVE_GN			
Id	G000022000		
ChangeReason	Generic Data		
CfCode	7		
SDesc	RUNNING		
LDesc	1 RUNNING 0 is NOT_RUNNING		
CurveUse	B		
RawFormat	U		
▲ DIG_POINT_LIST			
▲ DIG_POINT		LowRawParValue	0
		HighRawParValue	0
		StatusText	NOT_RUNNING
▲ DIG_POINT		LowRawParValue	1
		HighRawParValue	1



		StatusText	RUNNING
TEXTUAL_CURVE_GN			
Id	G000023000		
ChangeReason	Generic Data		
CfCode	7		
SDesc	B		
LDesc	1 is B 0 is A		
CurveUse	B		
RawFormat	U		
DIG_POINT_LIST			
DIG_POINT			
LowRawParValue	0		
HighRawParValue	0		
StatusText	A		
DIG_POINT			
LowRawParValue	1		
HighRawParValue	1		
StatusText	B		
TEXTUAL_CURVE_GN			
Id	G000024000		
ChangeReason	Generic Data		
CfCode	7		
SDesc	FALSE		
LDesc	1 FALSE 0 is TRUE		
CurveUse	B		
RawFormat	U		
DIG_POINT_LIST			
DIG_POINT			
LowRawParValue	0		
HighRawParValue	0		
StatusText	TRUE		
DIG_POINT			
LowRawParValue	1		
HighRawParValue	1		
StatusText	FALSE		
TEXTUAL_CURVE_GN			
Id	G000025000		
ChangeReason	Generic Data		
CfCode	7		
SDesc	BUS_A		
LDesc	1 BUS_A 0 BUS_B		
CurveUse	B		
RawFormat	U		
DIG_POINT_LIST			
DIG_POINT			
LowRawParValue	0		
HighRawParValue	0		
StatusText	BUS_B		
DIG_POINT			
LowRawParValue	1		
HighRawParValue	1		
StatusText	BUS_A		
TEXTUAL_CURVE_GN			
Id	G000026000		
ChangeReason	Generic Data		
CfCode	7		
SDesc	LOCAL		
LDesc	1 LOCAL 0 REMOTE		
CurveUse	B		



= RawFormat		U
▲ DIG_POINT_LIST		
▲ DIG_POINT		
= LowRawParValue		0
= HighRawParValue		0
= StatusText		REMOTE
▲ DIG_POINT		
= LowRawParValue		1
= HighRawParValue		1
= StatusText		LOCAL
▲ TEXTUAL_CURVE_GN		
= Id		G000027000
= ChangeReason		Generic Data
= CfCode		7
= SDesc		DISABLED
= LDesc		1 DISABLED 0 ENABLED
= CurveUse		B
= RawFormat		U
▲ DIG_POINT_LIST		
▲ DIG_POINT		
= LowRawParValue		0
= HighRawParValue		0
= StatusText		ENABLED
▲ DIG_POINT		
= LowRawParValue		1
= HighRawParValue		1
= StatusText		DISABLED
▲ TEXTUAL_CURVE_GN		
= Id		G000028000
= ChangeReason		Generic Data
= CfCode		7
= SDesc		FAILED
= LDesc		1 FAILED 0 PASSED
= CurveUse		B
= RawFormat		U
▲ DIG_POINT_LIST		
▲ DIG_POINT		
= LowRawParValue		0
= HighRawParValue		0
= StatusText		PASSED
▲ DIG_POINT		
= LowRawParValue		1
= HighRawParValue		1
= StatusText		FAILED
▲ TEXTUAL_CURVE_GN		
= Id		G000029000
= ChangeReason		Generic Data
= CfCode		7
= SDesc		OFFLINE
= LDesc		1 OFFLINE 0 is ONLINE
= CurveUse		B
= RawFormat		U
▲ DIG_POINT_LIST		
▲ DIG_POINT		
= LowRawParValue		0
= HighRawParValue		0
= StatusText		ONLINE
▲ DIG_POINT		
= LowRawParValue		1



			HighRawParValue	1
			StatusText	OFFLINE
TEXTUAL_CURVE_GN				
	Id	G000030000		
	ChangeReason	Generic Data		
	CfCode	7		
	SDesc	NOT_RUNNING		
	LDesc	1 NOT_RUNNING 0 is RUNNING		
	CurveUse	B		
	RawFormat	U		
	DIG_POINT_LIST			
	DIG_POINT			
	LowRawParValue	0		
	HighRawParValue	0		
	StatusText	RUNNING		
	DIG_POINT			
	LowRawParValue	1		
	HighRawParValue	1		
	StatusText	NOT_RUNNING		
TEXTUAL_CURVE_GN				
	Id	G000031000		
	ChangeReason	Generic Data		
	CfCode	7		
	SDesc	A		
	LDesc	1 is A 0 is B		
	CurveUse	B		
	RawFormat	U		
	DIG_POINT_LIST			
	DIG_POINT			
	LowRawParValue	0		
	HighRawParValue	0		
	StatusText	B		
	DIG_POINT			
	LowRawParValue	1		
	HighRawParValue	1		
	StatusText	A		
TEXTUAL_CURVE_GN				
	Id	G000032000		
	ChangeReason	Generic Data		
	CfCode	7		
	SDesc	GO		
	LDesc	1 is GO 0 is NOGO		
	CurveUse	B		
	RawFormat	U		
	DIG_POINT_LIST			
	DIG_POINT			
	LowRawParValue	0		
	HighRawParValue	0		
	StatusText	NOGO		
	DIG_POINT			
	LowRawParValue	1		
	HighRawParValue	1		
	StatusText	GO		
TEXTUAL_CURVE_GN				
	Id	G000033000		
	ChangeReason	Generic Data		
	CfCode	7		
	SDesc	NOGO		
	LDesc	1 is NOGO 0 is GO		



CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	GO
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	NOGO
TEXTUAL_CURVE_GN	
Id	G000034000
ChangeReason	Generic Data
CfCode	7
SDesc	SET
LDesc	1 is SET 0 is RESET
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	RESET
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	SET
TEXTUAL_CURVE_GN	
Id	G000035000
ChangeReason	Generic Data
CfCode	7
SDesc	RESET
LDesc	1 is RESET 0 is SET
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	SET
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	RESET
TEXTUAL_CURVE_GN	
Id	G000036000
ChangeReason	Generic Data
CfCode	7
SDesc	DETECTED
LDesc	1 is DETECTED 0 is NOT DETECTED
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	NOT DETECTED
DIG_POINT	



			LowRawParValue	1
			HighRawParValue	1
			StatusText	DETECTED
TEXTUAL_CURVE_GN				
	Id	G000037000		
	ChangeReason	Generic Data		
	CfCode	7		
	SDesc	NOT DETECTED		
	LDesc	1 is NOT DETECTED 0 is DETECTED		
	CurveUse	B		
	RawFormat	U		
	DIG_POINT_LIST			
	DIG_POINT			
		LowRawParValue	0	
		HighRawParValue	0	
		StatusText	DETECTED	
	DIG_POINT			
		LowRawParValue	1	
		HighRawParValue	1	
		StatusText	NOT DETECTED	
TEXTUAL_CURVE_GN				
	Id	G000038000		
	ChangeReason	Generic Data		
	CfCode	7		
	SDesc	ARMED		
	LDesc	1 is ARMED 0 is DISARMED		
	CurveUse	B		
	RawFormat	U		
	DIG_POINT_LIST			
	DIG_POINT			
		LowRawParValue	0	
		HighRawParValue	0	
		StatusText	DISARMED	
	DIG_POINT			
		LowRawParValue	1	
		HighRawParValue	1	
		StatusText	ARMED	
TEXTUAL_CURVE_GN				
	Id	G000039000		
	ChangeReason	Generic Data		
	CfCode	7		
	SDesc	DISARMED		
	LDesc	1 is DISARMED 0 is ARMED		
	CurveUse	B		
	RawFormat	U		
	DIG_POINT_LIST			
	DIG_POINT			
		LowRawParValue	0	
		HighRawParValue	0	
		StatusText	ARMED	
	DIG_POINT			
		LowRawParValue	1	
		HighRawParValue	1	
		StatusText	DISARMED	
TEXTUAL_CURVE_GN				
	Id	G000040000		
	ChangeReason	Generic Data		
	CfCode	7		
	SDesc	YES		



LDesc	1 is YES 0 is NO
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	NO
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	YES

TEXTUAL_CURVE_GN	
Id	G000041000
ChangeReason	Generic Data
CfCode	7
SDesc	NO
LDesc	1 is NO 0 is YES
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	YES
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	NO

TEXTUAL_CURVE_GN	
Id	G000042000
ChangeReason	Generic Data
CfCode	7
SDesc	START
LDesc	1 is START 0 is STOP
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	STOP
DIG_POINT	
LowRawParValue	1
HighRawParValue	1
StatusText	START

TEXTUAL_CURVE_GN	
Id	G000043000
ChangeReason	Generic Data
CfCode	7
SDesc	STOP
LDesc	1 is STOP 0 is START
CurveUse	B
RawFormat	U
DIG_POINT_LIST	
DIG_POINT	
LowRawParValue	0
HighRawParValue	0
StatusText	START



		▲ DIG_POINT <table border="1"> <tr><td>LowRawParValue</td><td>1</td></tr> <tr><td>HighRawParValue</td><td>1</td></tr> <tr><td>StatusText</td><td>STOP</td></tr> </table>		LowRawParValue	1	HighRawParValue	1	StatusText	STOP																																
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HighRawParValue	1																																								
StatusText	STOP																																								
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Id	G000044000																																								
ChangeReason	Generic Data																																								
CfCode	7																																								
SDesc	ENVIRONMENT																																								
LDesc	0 is Clean Room 1 is Thermal vacuum tests 2 is Flight																																								
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RawFormat	U																																								
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HighRawParValue	0																																								
StatusText	Clean Room																																								
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LowRawParValue	1																																								
HighRawParValue	1																																								
StatusText	Thermal Vacuum																																								
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	CfCode	7
	SDesc	Acceptance
	LDesc	Acceptance Command Verification Stage
	DeltaTime	0
	Interval	10
	StageType	A
	Source	R
▲	CVS_GN	
	Id	070100000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	Start
	LDesc	Start Command Verification Stage
	DeltaTime	0
	Interval	20
	StageType	S
	Source	R
▲	CVS_GN	
	Id	070000000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	Progress Number 0
	LDesc	Progress Number 0 Command Verification Stage
	DeltaTime	0
	Interval	30
	StageType	0
	Source	R
▲	CVS_GN	
	Id	070010000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	Progress Number 1
	LDesc	Progress Number 1 Command Verification Stage
	DeltaTime	0
	Interval	30
	StageType	1
	Source	R
▲	CVS_GN	
	Id	070020000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	Progress Number 2
	LDesc	Progress Number 2 Command Verification Stage
	DeltaTime	0
	Interval	35
	StageType	2
	Source	R
▲	CVS_GN	
	Id	070030000
	ChangeReason	Generic Data
	CfCode	7
	SDesc	Progress Number 3
	LDesc	Progress Number 3 Command Verification Stage
	DeltaTime	0
	Interval	35
	StageType	3
	Source	R
▲	CVS_GN	



Id	070040000
ChangeReason	Generic Data
CfCode	7
SDesc	Progress Number 4
LDesc	Progress Number 4 Command Verification Stage
DeltaTime	0
Interval	40
StageType	4
Source	R

▲ CVS_GN

Id	070050000
ChangeReason	Generic Data
CfCode	7
SDesc	Progress Number 5
LDesc	Progress Number 5 Command Verification Stage
DeltaTime	0
Interval	40
StageType	5
Source	R

▲ CVS_GN

Id	070060000
ChangeReason	Generic Data
CfCode	7
SDesc	Progress Number 6
LDesc	Progress Number 6 Command Verification Stage
DeltaTime	0
Interval	45
StageType	6
Source	R

▲ CVS_GN

Id	070070000
ChangeReason	Generic Data
CfCode	7
SDesc	Progress Number 7
LDesc	Progress Number 7 Command Verification Stage
DeltaTime	0
Interval	45
StageType	7
Source	R

▲ CVS_GN

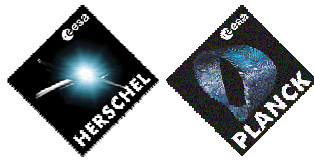
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ChangeReason	Generic Data
CfCode	7
SDesc	Progress Number 8
LDesc	Progress Number 8 Command Verification Stage
DeltaTime	0
Interval	50
StageType	8
Source	R

▲ CVS_GN

Id	070090000
ChangeReason	Generic Data
CfCode	7
SDesc	Progress Number 9
LDesc	Progress Number 9 Command Verification Stage
DeltaTime	0
Interval	50
StageType	9



	Source	R
CVS_GN		
Id		070001000
ChangeReason		Generic Data
CfCode		7
SDesc		Completion
LDesc		Completion Command Verification Stage
DeltaTime		0
Interval		60
StageType		C
Source		R
DYNAMIC_PAR_GN		
Id		GNEV000
ChangeReason		Generic Data
CfCode		7
SDesc		Environment Desc
PsicdPCodePtc		2
PsicdPCodePfc		8
CalibType		T
HasLimitCalibrat...		N
DefCurveRef		G000044000



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