



ISSUE	DATE	§ CHANGE RECORDS	AUTHOR
1.0	14/08/2007	... ValDatReq TBD <ul style="list-style-type: none"> o DBAMN-H-194 – SVM issue 10 o DBAMN-H-195 – System data o DBAMN-H-196 - SPIRE modification o DBAMN-H-197 - ACMS Calibration Curves o DBAMN-H-198 - Subsystem assignment for Hersch_FM9 o DBAMN-H-199 - Generic data o DBAMN-H-200 – Missing OPS category flag for items EZ10, EZ50 at element level ACC_A_C_4. 	J Vila-Lobos
2.0	29/11/2007	... See Chapter	J Vila-Lobos
3.0	11/12/2007	... ValDatReq 127-H <ul style="list-style-type: none"> o DBAMN-H-227 Change TC SubSchedule o DBAMN-H-228-NCR 3810 Correction- Cryostat -add OPS filter to monitoring and DLCM Structures. o DBAMN-H- 229 New OBCP v 8.0 o DBAMN-H-230 DBAMN-G-001 All TC are switch from “ground high priority” to “ground low priority” by default. ... ValDatReq 128-H <ul style="list-style-type: none"> o DBMN-H-231 Modification of STR velocity commanding according to ESOC requirement. 	S Dos Santos
4.0	26/02/2008	... New TAS-I Delivery CIDL 13 ... New HIFI v 11.6 ... New SPIRE v 2.2 H1 PR ... New OBCP v10.0	S Dos Santos
		... Add Annex NCR Status	F Bernat
5.0	23/04/2008	... See Chapter 6	J Vila-Lobos
6.0	02/06/2008	... New TAS-I Delivery CIDL 15 <ul style="list-style-type: none"> o Loading ACMS v3.8 	J Vila-Lobos
7.0	28/07/2008	... New OBCP v 13.0 - NCR 4138 correction ... New RN System [RD 10] v 9.0 ... New PACS FM v 9.2	S Dos Santos
8.0	28/07/2008	... New HIFI FM 11.8 ... Updated tm routing: ... Routing of Scos TM Packet 264000999- Spire Launch Lock to HSPIREEGSE ... Cryostat Update [RD8] ... ACMS Update (by TAS-I CIDL 16) impacts: <ul style="list-style-type: none"> o Tpcf.dat file updated o 10429050 (5,1)-0429 o 10430050 (5,1)-0430 o 10431050 (5,1)-0431 o 10447050 (5,1)-0447 o 10450050 (5,1)-0450 o 10451050 (5,1)-0451 	S Dos Santos



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		<ul style="list-style-type: none"> o 10497050 (5,1)-0497 o 10498050 (5,1)-0498 o 10509050 (5,1)-0509 o 10539050 (5,1)-0539 o 10540050 (5,1)-0540 o 10603050 (5,1)-0603 o 10605050 (5,1)-0605 o pid.dat o Prefix on packets type (5,x) o txp.dat, txf.dat update the curves: o A050201050 APID o A070201070 APID 	
9.0	18/08/08	<p>... NCR 4404 correction – DBAMN-H-317</p> <p>Creation of theoretical element X101 (all items are AIT and OPS only)</p> <p>Creation of theoretical subsystem X001 (including theoretical element X101 in position 990 - AIT and OPS only)</p> <p>Modification theoretical model HERSCH_FM9 to insert subsystem X (AIT and OPS only)</p> <p>... From CDMS 3.4 to CDMS 3.6 (DBAMN-H-318)</p> <p>Change of model from HERSCH_FM9 to HERSCH_FM8 (used on AVM including CDMS 3.6 at subsystem and model level), consequently to inherit of same other subsystems on HERSCH_FM8: X101 to be added and P003 to be replaced by P002</p>	F. Chatte
10.0	22/09/08	<p>... New CDMS OBSW 3.6.2 and ACMS OBSW 4.0 (TAS-I CIDL 17)</p>	S Dos Santos
11.0	13/10/2008	<ul style="list-style-type: none"> o New OBCP v 15.0 o New User Display BAU01111 with RN 1420 versioning o Update PFM Cryo [RD8]- second part of the fax HP-ASED-FX-0080-08.pdf o New System RN [RD10] issue 12.0 <ul style="list-style-type: none"> o NCR 4536 System correction, wrong OL expressions for parameters: <ul style="list-style-type: none"> o ADW05109 RWL1_SignTreqCal o ADW06109 RWL2_SignTreqCal o ADW07109 RWL3_SignTreqCal o ADW08109 RWL4_SignTreqCal o Remove Duplicated TM Packets on SPIRE o Update Calibrations (see details on Introduction Chapter; <ul style="list-style-type: none"> o Theoretical element XPDN_COM o Theoretical element TWTA_COM o Theoretical element CDMU_A_C_8 (Lou Baffle) ... Theoretical Model (Lou Baffle) 	S Dos Santos



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12.0	12/11/08	<ul style="list-style-type: none"> ◦ New TAS-I CIDL 18 (with NCR's correction) ◦ Cryodata requested by ASED Fax HP-ASED-FX-0086-08_Request-for-HPSDB-update+delivery-291008.pdf ◦ New Herschel OBCP issue 16.0 ◦ New PACS FM issue 9.3 ◦ New HIFI FM issue 11.10 ◦ New Genetid Data issue 11.0 with: <ul style="list-style-type: none"> ○ New Derived Parameter for Environment Description ○ New Textual Calibration Curve for Environment Combine ◦ NCR 4622- CCS- Error Def an Initial value for a Users static constant type String . Due to this NCR the parameter defining the Versioning Data are now declared as type enumerated with a textual curve associated ◦ New System RN [RD10] issue 15.0 with: <ul style="list-style-type: none"> ○ NCR 4440- DTCP_WC: SREM TM not continuously updated with real SREM status. System Correction ○ HIFI 11.10 due to diferencies bewteen plf.dat and vpd.dat Scos TM packets definitions, solution: remove packets 80055289, 80056289 and 80060289 from vpd.dat. ○ Update Calibrations on theoretical element CDMU_A_C_8 (Lou Baffle) ○ Herschel FDIR-and SB OOL inputs preparation for Herschel TV/TB based on fax from TAS-I HP-ALS-08-0103 [RD9] (including correction of NCR 4267). Addition of displays for the synthetic parameters created ○ Update of the TC's (model level) to initialize FCCT for TCS (48 telecommands modified at model level) according to TAS-I fax HP-ALS-08-0097 dated 24/11/08 ("H-P – FDIR and SB OOL tables") (With correction of NCR 4632) ○ Creation of a new TC inside theoreticall element CDMU_A_C_8 to allow dynamic update of real parameter inside FCCT (NCR 4585) – Identifier set according to SSF inputs. <p>*****</p> <p>WARNING:</p> <ul style="list-style-type: none"> a) - This new version implies that the dynamic User defined Constant (GNENV000) is forced on the MCS to one when in TV/TB conditions in order to select the correct limits sets. No Clean Room Limits are delivered to Esoc for Thermal Data Monitoring. b) - A set of synthetic parameters are added inside both CDMS ("DDXxx170" with xx being the TCS line number) and TCS ("TDXxx601" - with xx being the TCS line number) subsystems to determine the limit selection according to the environment (clean room or TV/TB) and according to ON or OFF status of equipment c) - A set of synthetic parameters are added inside power 	S Dos Santos



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		<p>subsystem to determine the status ON or OFF of a set of equipments ("WDXxx565" with xx being the TCS line number)</p> <p>d) - The above generic and synthetic parameters are reported on the following Displays:</p> <p>DA400170- Derived parameter for Limit Selection</p> <p>WA400601- Display of ON or OFF status of equipment</p> <p>TA400170- Derived parameter for Limit Selection</p> <p>*****</p>	



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13	27/11/08	Issue 24 of RN 1441 (CCS) ... Correction of the 48 TC's for TCS FCCT table update: the referenced parameter for index 3 (timeout) is changed from real (DH134170) to integer (DH133170) – NCR 4632 ... Subsystem B is updated to data base version 24	F. Chatte
		... Herschel Model FM ... Creation of the following new TC (3,2) o ZCB05999 - HK PK ID is 121, SID is 250001, interval is 1s, 5 parameters (DEAE4170, DEAE5170, DEAE6170, DEAE7170, DEAE8170) ... Creation of the following new TM diagnostic packet (3,26) o 26TMPKA001999 - (3,26) - SID1=25001 ... Creation of the following new SCOS packet Identifier o 264001999 including five real parameters (DEAE4170, DEAE5170, DEAE6170, DEAE7170, DEAE8170) ... Update FCCT for thermal control limits according to TAS-I fax HP-ALS-08-0097 dated 24/11/08 (H-P - FDIR and SB OOL tables) - for Herschel TV/TB tests o Time out (parameter 3) forced to 24 hours (86400 seconds) for all lines o Cold start (parameter 4) forced equal to low NOP limit (not part of TAS-I fax but agreed between YR, BD, FS and FC on 13/11/08 to avoid any problem when swithing ON an equipment if FDIR is ebnabme) o Sub-schedule inserted and set to 10 (Not part of TAS-I fax but done because required by ESOC) Issue 26 of RN1441 (CCS) ... SPIRE 3.0.B1_PR ... PACS (NCR 4683) . Parameter range R001 modification . parameter range R002 modification . Curve P420848420 correction	
14	05/01/09	... New TAS-I CIDL 14 with new OBSW 3.8. ... New [RD8] Cryo Update requested ASED (Friedrichshafen – Germany) ... New System [RD10] issue 18.0 with: ... Replace Thermal control limits added at system level , by the CIDL 19 from TAS-I, removal of the following system files: ... [RD18] TE_CDMU_A_C_8_TCS_Limit_for_TV_TB_issue14.zip ... [RD19] TE_PCDU_COM_TCS_Limit_for_TV_TB_issue14.zip ... [RD20] TE_TCS_HER_TCS_Limit_for_TV_TB_issue14.zip ... [RD21] HERSCHEL_FM_Herschel_FCCT_TC_issue_14.zip	S Dos Santos



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		... [RD22] TE_CDMU_A_C_8_TCS_FDIR_TC_CT96_for_TV_TB_issue_14.zip	
15	20/01/09	For SVT2: ... PACS V3.4 ... SPIRE V3.0 B2 PR ... System V19 <ul style="list-style-type: none"> o Decontamination (de-)calibrations o ACMS COCOS register dump crashes o CCU debug mode 	F.Chatte
16	06/03/09	1 - NCR 4767-Correction. New HPSDB version 4.5, re-loading SPIRE 3_0B2 PACS 9.4 2 - HIFI V11.11 (DBAMN-H-375) 3 - SVM issue 20 (DBAMN-H-372) 4 - OBCP V18 5 - System (Issue 21)	
17	21/04/09	1 - New system release note V22 and V23 [RD10] 2 - New CRYO subsystem from ASED (2 inputs) - [RD8] 3 - New SVM inputs from TASI - [RD9] 4 - New OBCP V 19 - [RD4] 5 - New system version [RD55]	F. Chatte
MOC1	25/06/09	1 - New Generic data (V12) - [RD1] DBAMN-H-422 2 - New HIFI input (V11_12) - [RD5] DBAMN-H-424 Note: From this release onward, the issue number format will be updated to reflect the release date.	A. Tomescu
MOC2	21/07/09	1 - New SVM inputs - [RD9] DBAMN-H-415 DBAMN-H-416 DBAMN-H-417 DBAMN-H-425 DBAMN-H-429 2 - New system inputs (V25) - [RD10] 3 - New system version DBAMN-H-428	A. Tomescu
MOC3	14/08/09	1. The database has been modified according to the telecom held on 5 th of August (Attendees :- A.Tomescu (AT) – MOC; - LO'Rourke (LOR) - HSC; O.Bauer (OB) - PACS; - R.Huygens (RH) - PACS; - P.Zaal (PZ) – HIFI). A detailed list of modifications is available below in the document 2. Various changes issued by ESOC engineers.	A. Tomescu
MOC4	19/10/09	1. HERSCHEL CDMS SW v.4.0 DB modifications 2. SPIRE_MIB_FM_4.0.00_PR_09Oct2009 DB modifications	A. Tomescu
MOC5	26/10/09	1. SPIRE_MIB_FM_4.0.01_PR_22Oct2009 DB modifications 2. SPIRE_MIB_FM_4.0.02_PR_24Oct2009 DB modifications	A. Tomescu
MOC6	30/11/09	1. HIFI_MIB_149 DB modifications	A. Tomescu



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		2. HIFI_MIB_150 DB modifications	
MOC7	29/01/10	1. HIFI_MIB_151 DB modifications	A. Tomescu
MOC8	23/02/10	1. HIFI_MIB_152 2. SPIRE_MIB_FM_4.0.03_PR 3. ESOC db modifications	A. Tomescu
MOC9	16/03/10	1. HIFI_MIB_153 (11_16) 2. ESOC corrections	A. Tomescu
MOC10	20/06/10	1. HIFI_MIB 156 (11_17) 2. ESOC updates	A. Tomescu
MOC11	04/07/11	1. ESOC updates	A. Tomescu
MOC12	21/09/11	1. ESOC updates	A. Tomescu
MOC13	11/10/11	1. ESOC updates	G. Mihail



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1. INTRODUCTION

Object: HERSCHEL
File Type: CCS
Filter: OPS User
File: ASCII_H_CCS_201110111030.zip
Date: 11/10/2011

Change list:

1. ESOC additions

Correction of the new created 18 raw stars packet (released as per issue MOC12_201109211400) needed to be applied. Due to a wrong offset, the PLF & VPD structures of the packet have been revised.

The TM packet is appending the data for the additional 9 stars as used for interlacing and has the following characteristics:

SPID	240024990
NAME	HDTM18AGBE
SIZE	
Originator	H_DS_44

TYPE	3
STYPE	26
APID	514
PI1_VAL	30063
PI2_VAL	0
SPID	240024990
DESCR	HDTM18AGBE
UNIT	1
TPSD	240024990
DFHSIZE	16
TIME	Y
INTER	1000
VALID	Y
CHECK	1
EVENT	N
EVID	
PID	
CAT	
Originator	H_DS_44

See attached change log for details [RD13].

Reason:

- Diagnostic packet for ACMS information had been wrongly defined



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Note:

This database release is NOT generated with HPSDB (i.e. the application) and is just an updated version of the current operational database (used in ESOC).
For details regarding the updates, please see the attached relevant document ([RD13]).

2. INPUT

ESOC database change request.

3. OUTPUT

3.1 Output-File

3.1.1 *Output-File Data*

999 HERSCH_FM1

109	A105 ACMS 4.1
111	B008 Versioning Data
159	D108 CDMS 4.0
289	H004 HIFI 156
319	K002 Cryostat
429	P002 PACS FM 9.4
479	R101 TTC_HER
559	S002 SPIRE FM 4.0.03 PR_02FEB2010
899	T101 TCS_HER
584	W101 EPS_H
998	X001 ESOC specific



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3.1.2 Output-File Changes

None

3.2 Output-File compliance

[AD1] and [AD2]

3.2.1 Output File Type

CCS Files [(AD1)]

3.2.2 HPSDB Version

Not applicable

3.3 Version / Release Number

MOC13 / 201110111030

3.4 Generation Date

11/10/2011

3.5 Delivered Files

This delivery (one unique zip file: HPSDB_MOC_HERSCH_CCS_issueMOC13_201110111030.zip) containing the ASCII directory (ASCII_H_CCS_201110111030.zip) and all the listed relevant documents, including this release note in PDF format.

4. APPLICABILITY

For Herschel Model including the following software:

- ... CDMS 4.0
- ... ACMS 4.1
- ... PACS Mib version 9.4
- ... HIFI Mib version 156
- ... SPIRE OBS Issue 3.0.B (SPIRE_MIB_FM_4.0.03)
- ... RMS



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5. APLICABLE AND REFERENCE DOCUMENTS

5.1 Applicable documents

AD	Title	Reference	Issue /version
[AD1]	CCS - external ICD	H-P-4-TE-ID-8020	01/08
[AD2]	Naming Convention	H-P-ASPI-SP-0141	02/02

5.2 Reference documents

RD	Title	Reference	Issue /version
[RD1]	Generic Data Collection	H-P-1-ASP-TN-0543	12.0
[RD2]	HPSDB_X_subsystem_from_esoc_V01	N/A	01
[RD3]	HPSDB/SW OBSW Interface Data Sheet	H-P-1-ASP-ID-0856	5.0
[RD4]	HERSCHEL OBCP	H-P-2-ASP-LI-1333	19.0
[RD5]	HIFI	SRON-U/HIFI/SP/2006-003	Issue 11.17 (156)
[RD6]	SPIRE MIB Release Note:	SPIRE_MIB_FM_4.0.03_PR_02Feb2010_release_note	SPIRE_MIB_FM_4.0.03_PR
[RD7]	PACS	RN_PACS_MIB_N_9_4	9.4
[RD8]	Modif_from_ASED.zip	N/A	N/A
[RD9]	Herschel SVM	TASI inputs : <ul style="list-style-type: none"> • Herschel_CDMUv40_DeltaUpd_DBN_list_20090717.doc • TASI_Herschel_DeltaUpd_CDMUv40_20090717pf.zip 	
[RD10]	System	H-P-2-ASP-LI-1464	24 25
[RD11]	Herschel FM XML File	HPSDB_HERSCH_FM1_MCH_OHERSC_PRINT_ALL_20090622182456.xml.zip	N/A
[RD12]	Diff_18_Draft-19_Draft.html	Generated with Beyond Compare tool	N/A
[RD13]	Database detailed change log	HPSDB_MOC_HERSCH_CCS_issueMOC13_20110111030_ChangeLog.txt	MOC13

6. KNOWN PROBLEMS OR MISSING DATA

7. DELIVERY

File sent with FTS.

