

Title: **Satellite Ancillary Data ICD**

CI - No: 000000

DRL Refs :

	Name	Date	Signature
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## Change Record

Issue	Date	Sheet	Description of Change
1	30.09.2009	all	First formal issue of this Document to respond to System PDR RID SEAO-495.
2	24.06.2010	all	Update based on: <ul style="list-style-type: none"> <li>Clarification Meeting during System Progress Meeting PM#12 as per GS2.MN.ASD.SY.00293 and on e-mail 05.01.2010 by Claudia Isola.</li> </ul>
		§3.2	<ul style="list-style-type: none"> <li>Introduced MSI Mission Data ICD updates as per GS2.ICD.ASF.MSI.00008 issue 4.</li> </ul>
		§3.3.1 §3.3.3.1 §3.3	<ul style="list-style-type: none"> <li>ESA S2-CR-ESA-SY-00010:               <ul style="list-style-type: none"> <li>Additional 12 GPSR TM packets enabled</li> <li>One additional GPSR TM packets extraction by CSW</li> <li>MMFU System Ancillary Data Store routing for PCAT 6 +12 in TM Data Flow figure 3.4-1</li> </ul> </li> </ul>
		§1.2.1	<ul style="list-style-type: none"> <li>Added Reference to Startracker PUS ICD</li> </ul>
		§3.3.2	<ul style="list-style-type: none"> <li>Added TM_TDB "Tracker Data Block"</li> </ul>
3	30.03.2011	All §3.3 §3.3.1 §3.3.2 §3.3.3  §3.3.3.1 §3.3.3.2 §3.3.3.3 §3.3.3.4 §3.3.3.5	Update after System CDR. <ul style="list-style-type: none"> <li>Removed TBC as per Editorial RID</li> <li>Updated Figure 3.3-1: added PCAT 11+13</li> <li>Updated list of GPSR Ancillary Data as per <b>SEO-ORV-57</b></li> <li>Updated list of STR Ancillary Data</li> <li>Detailed CSW AOCS Ancillary Data as per <b>SEO-ORV-76</b></li> <li>Removed comments as per <b>SEO-SW-50</b></li> <li>Removed diagnostic GPSR packets:               <ul style="list-style-type: none"> <li>Noise Histogram</li> <li>Channel Status</li> <li>Tracking State</li> <li>AGC status</li> </ul> </li> <li>CSW AOCS-TM1 Attitude Data</li> <li>CSW AOCS-TM2 Propagator Data</li> <li>CSW AOCS-GPSR Data</li> <li>CSW AOCS-STR Data</li> <li>CSW AOCS-IMU Data</li> </ul>

4	15.07.2011	All §1.2.2 §2 §3 §3.1 §3.3 §3.3ff §3.3.1	Updates after ESA comments and clarification during System PM#19: <ul style="list-style-type: none"> <li>▪ Added RD-02</li> <li>▪ Deleted last sentence</li> <li>▪ Reworded and added PCAT 11 and 13 to Sat.Ancillary Data.</li> <li>▪ Reworded and added RD-02</li> <li>▪ Updated Figure 3.3-1 " TM Data Flow"</li> <li>▪ Added chapter references for SAD-TM packet structure</li> <li>▪ The following packet have been added, but only in diagnostics mode:             <ul style="list-style-type: none"> <li>• GPS Channel Status</li> <li>• GPS Tracking State</li> <li>• GPS Noise Histogram</li> <li>• GPS AGC Status</li> </ul> </li> <li>▪ The following packet have been added for completeness, but not for use:             <ul style="list-style-type: none"> <li>• GPS <b>S1</b> Navigation Solution</li> <li>• GPS <b>S1</b> IMT/GPST Correlation</li> </ul> </li> </ul>
		§3.3.3.1	Implementation of AI2 + AI3 from S2.MN.ESA.SY.261: <ul style="list-style-type: none"> <li>▪ AOCS mode and sub-mode information in AOCS-TM1</li> <li>▪ indication of equipment used by AOCS algorithm for position / attitude estimation and control task</li> <li>▪ Introduction of gyro stellar estimator innovation estimates in AOCS-TM1 according PM#19 agreements</li> <li>▪ AOCS-TM1 packet frequency changed from 1 Hz to 2 Hz corresponding to AOCS algorithm execution</li> <li>▪ AOCS-TM1 and AOCS-TM2 data format clarified</li> </ul>
		§3.3.3.2	<ul style="list-style-type: none"> <li>▪ Orbit angle description changed to proposed definition according ESA presentation during PM#19.</li> </ul>
		§3.3.3.4	<ul style="list-style-type: none"> <li>▪ Removed the AOCS-STR TM_ADB packets for STR1,2 and 3.</li> </ul>
		§3.3.3.5	<ul style="list-style-type: none"> <li>▪ Re-assigned SIDs for AOCS-IMU packets.</li> <li>▪ Added additional IMU parameters.</li> </ul>
		§3.3.3.6	<ul style="list-style-type: none"> <li>▪ Re-named "AOCS-THERM-Data" into "MSI-SAD Packet".</li> <li>▪ Added MSI related parameters as agreed during PM#19.</li> </ul>
5	21.11.2011	§3.3.1 §3.3.2 §3.3.3.5 §3.3.3.6	Updates based on ESA e-mail 26-07-2011: <ul style="list-style-type: none"> <li>▪ Added explanation for GPSR A+B</li> <li>▪ Added explanation for STR 1+2+3</li> <li>▪ Added <b>AOCS-IMU1234HK</b> packet</li> <li>▪ Corrected S2 Thermal ICD reference</li> </ul>

		§3.3 §3.3.3.4 §3.3.1 §3.3.2 §3.3.3.1 §3.3.3.2 §3.3.3.3 §3.3.3.4 §3.3.3.5 §3.3.3.6 §3.4  See change bar	Other changes: <ul style="list-style-type: none"> <li>▪ Updated Figure 3.3-1</li> <li>▪ Declared <b>AOCS-STR1_TM_SDB</b>, <b>AOCS-STR2_TM_SDB</b> and <b>AOCS-STR3_TM_SDB</b> as disabled, since covered by <b>AOCS-TM1</b></li> <li>▪ Added reference to SRDB.</li> <li>▪ Added reference to SRDB.</li> <li>▪ Removed parameters and added reference to SRDB.</li> <li>▪ Removed parameters and added reference to SRDB.</li> <li>▪ Added reference to SRDB.</li> <li>▪ Added reference to SRDB.</li> <li>▪ Removed parameters and added reference to SRDB.</li> <li>▪ Removed parameters and added reference to SRDB.</li> <li>▪ Added chapter representing the SRDB extract of the Satellite Ancillary Data packet structure.</li> <li>▪ Editorial changes</li> </ul>

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# 1. INTRODUCTION

## 1.1 Scope of the Document

In addition to the observation data, the S2 satellite provides **Ancillary Data** to support the on-ground image data processing. The following ancillary data are acquired on-board and transmitted by Sentinel-2:

- X-Band Ancillary data with
  - System Ancillary data
  - Compression Status
  - Image Ancillary data
- Satellite Ancillary data

This documents defines the content of each type of ancillary data.

## 1.2 References

### 1.2.1 Applicable Documents

#### Satellite

[AD-01]	Satellite to Ground Segment ICD	GS2.ICD.ASD.SY.00006
[AD-02]	Sentinel-2 Packet Utilization Standard	GS2.STD.ASD.SY.00001
[AD-03]	Satellite Assumptions for the Ground Segment	GS2.TN.ASD.SY.00032

#### MSI

[AD-10]	MSI Mission Data ICD	GS2.ICD.ASF.MSI.00008
[AD-11]	MSI Assumptions for the Ground Segment	GS2.TN.ASF.MSI.00074

#### GPSR

[AD-12]	Command and Housekeeping Interface Specification	S1-IF-AAE-SC-0001
[AD-13]	Measurement Data Interface Specification	S1-IF-AAE-SC-0002

#### Startracker

[AD-14]	Startracker PUS ICD	GS2.ICD.JOP.STR.02402
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#### Inertial Measurement Unit

[AD-15]	IMU ASTRIX TM/TC ICD	FOG.0.ICD.177.T.ASTR
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### 1.2.2 Reference Documents

#### Satellite

[RD-01]	Abbreviation List	GS2.LI.ASD.SY.00001
[RD-02]	Sentinel-2 On-Board Time Synchronization	GS2.TN.ASD.SY.00020

#### MSI

[RD-10]	MSI Software ICD	GS2.ICD.ASF.MSI.00004
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## 2. TERMS AND DEFINITION

In line with [AD 02], the following definitions apply:

### **Observation data**

All scientific data generated by the payload.

### **System Ancillary data**

Data generated on-board by the payload and the platform in support of the observation data, such as

- Scene start time
- Time correction value and the MSI On Board Time synchronization status
- System operation information, i.e.
  - o Observation Mode (Nominal or extended)
  - o Calibration Mode (Dark signal, absolute radiometry, vicarious)
  - o Raw Measurement Mode
  - o Test Mode.

### **Image Ancillary data**

Data generated on-board by the payload in support of the observation data, such as calibration, timing for each line acquisition, compression ratio, data validity flag (e.g. nominal SWIR detector temperature), needed to process the measurement data on ground.

### **Satellite Ancillary data**

Data acquired on-board by the satellite in support of the observation data, such as orbit position, velocity and time (generated by GPSR), attitude (generated by the AOCS sensors) needed to process measurement data on ground.



### 3. ANCILLARY DATA

The System- and Image-Ancillary Data are provided in the Data Field Header of the science X-Band TM Source Packets. All Satellite HK-TM is collected by the Central Software (CSW) and routed to the MMFU. The MMFU stores those data in the "HK-TM Data Store". The Satellite Ancillary Data, which is a sub-set of the Satellite HK-TM, are marked by PCAT = 6, 11, 12 and 13. They are stored additionally in the MMFU "Satellite Ancillary Data Store", which are down-linked by X-Band.

#### 3.1 Time Stamping of TM Source Packets

The On-Board time format is CUC (CCSDS Unsegmented Time Code) with Coarse Time (32 bits) representing the seconds and Fine Time (24 bits) representing the sub-seconds. It is maintained in the Central OBT (COBT) inside the OBC. The CSW synchronizes the COBT to GPS time within 1  $\mu$ s accuracy and distributes it to the units/instrument by MIL-Bus message and a correlation PPS-Signal.

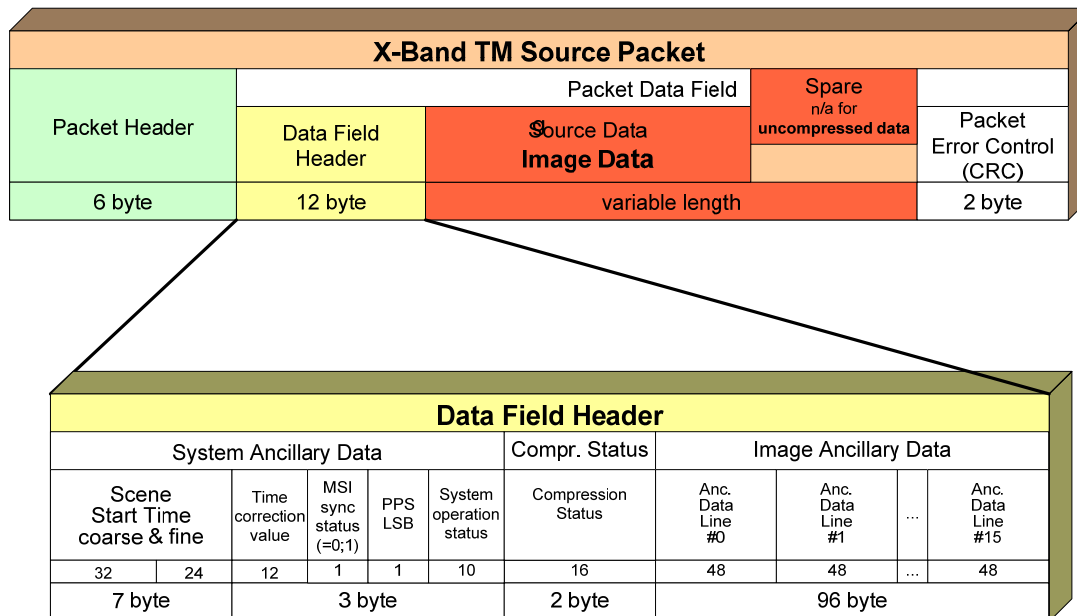
The PPS issued by the GPS receiver is synchronized to within 1  $\mu$ s of GPS time.

Each TM Packet is time stamped with the COBT:

- Science TM packets contain the time stamp as defined in the System Ancillary Data §3.2. All TM packets belonging to one scene are time stamped with the same time i.e. with the scene start time.
- Satellite HK-TM packets are time-stamped with the current time at packet generation. Details on time synchronization can be found in [RD-02]. In general two type of time stamping exist:
  - directly by the Central Software (CSW) inside the OBC i.e. applicable to all TM packets generated from the CSW Datapool.
  - indirectly by the unit/instrument Local On-Board Time (LOBT), which is synchronized with the COBT.

## 3.2 X-Band Ancillary Data

The X-Band Ancillary Data are provided in the Data Field Header of the science X-Band TM Source Packets as shown below:



### 3.2.1 System Ancillary Data

The System Ancillary Data consists of the following elements.

- Scene Start Time coarse and fine:
- Time correction value:
- MSI synchronization status:
- PPS LSB:
- System operation status

Bits	Name	Remarks
System Ancillary Data (SAD) 80 bit		
0...55	Scene Start Time	CCSDS Unsegmented Time Code Coarse Time (seconds) ( 32 bits) CCSDS Unsegmented Time Code Fine Time (subseconds) ( 24 bits)
0...31	CUC coarse time	
32...55	CUC fine time	
Bit Position Seconds		
</		

### Scene Start Time coarse (32 bit) and fine (24 bit)

Consists of CCSDS Unsegmented Time Code Course Time (32 bits) representing the seconds and Fine Time (24 bits) representing the sub-seconds. This time is provided by the MSI-clock, which is synchronized to the Central OBT by the PPS. The Central OBT is synchronized to GPS system time with about 1  $\mu$ s accuracy.

### **System operation status (10 bit)**

The system operation status reports the following MSI stati:

<b>Mnemonic</b>	<b>Value [hex]</b>	<b>MSI Mode (10 bit)</b>
INS-NOBS	0x001	Nominal Observation Mode
INS-EOBS	0x002	Extended Observation Mode
INS-DASC	0x011	Dark Signal Calibration Mode
INS-ABSR	0x012	Absolute Radiometry Calibration Mode
INS-VIC	0x013	Vicarious Calibration Mode
INS-RAW	0x021	Raw Measurement Mode
INS-TST	0x022	Test Mode
<i>INS-DEC</i>	-	<i>Decontamination will not be reflected as a Mode The related MIS-Mode is INS-SBY</i>

Table 3.2-1: System Operation Status

### 3.2.2 Compression Status

The Compression Status in the Data Field Header of the X-Band TM Data Field Header consists of the following elements. The Compression Status as per [AD-10] Table3.4-6 is detailed as follows:

Bits	Name	Remarks
<b>Compression Status 16 bit</b>		
0...2	MODOP	Status of the current compression (3 bits) Compress and Output Image Data: "000"
3...5	reserved	"110"
6	BYPNUC	Non-Uniformity Correction Active: "0" Bypass: "1"
7...8	reserved	"10"
9	SSE	Strip Sequence Error No error: "0" Error: "1" Error detected during a strip. It indicates that the MCI ASIC was not able to finish all the operations to be performed during this strip. This error occurs when the operating frequency is too low according to the input data rate or the output data rate.
10	GPI(1)	Status General Purpose Input (1) The MCI ASIC has two General Purpose Input pins. The GPI(1) signal is available for any function. The detailed meaning of this status is described in [tbd].
11	Reserved	"0"
12...13	Reserved	"00"
14...15	WMODE	WICOM Mode (2 bits) Compression Mode: "11" Remark: The WICOM modes "OFF", "INIT", and "IDLE" are never seen during data transfer.

### 3.2.3 Image Ancillary Data (IAD)

Image Ancillary Data are generated on-board by the payload in support of the observation data, such as calibration, timing for each line acquisition, data validity flag (e.g. nominal SWIR detector temperature), needed to process the measurement data on ground.

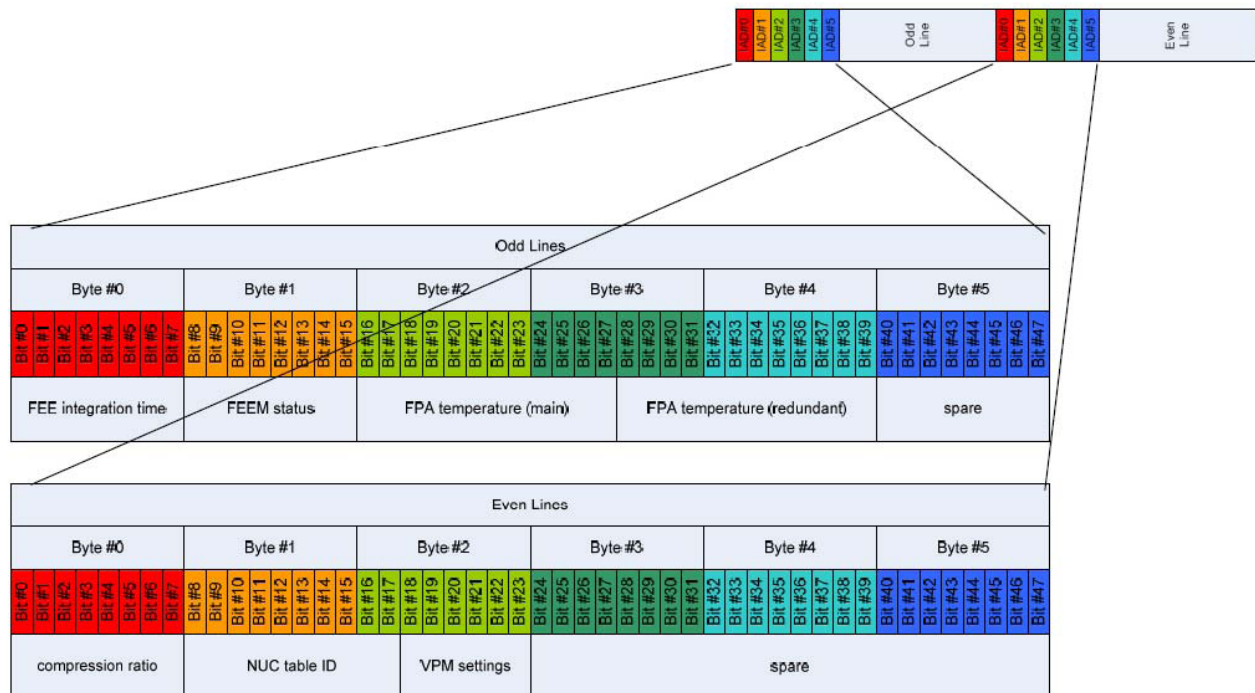
The IAD are transmitted in the Data Field Header of the science X-Band TM Source Packets. They are detailed as follows (as per [AD-10] Table3.4-7):

The IAD field is limited to 6 bytes per line and then to 96 bytes per strip transmission. The IAD implementation is described over 12 bytes. These data are repeated 8 times within the same strip.

The detailed definition of the 12 bytes is the following:

- Band integration time ( 8 bits )
- FEEM status ( 8 bits )
  - Error words coming from relevant FEEM by serial link
- FPA temperature ( 12 bits ), thermal control, relevant to the detector transmission VNIR or SWIR
- FPA temperature ( 12 bits ), monitoring, relevant to the detector transmission VNIR or SWIR
- Spare ( 8 bits )
- Band compression ratio ( 8 bits )
- NUC table ID ( 10 bits ) : it identifies the correction coefficient table used in-flight. This ID figure will be loaded by the platform
- VPM control ( 6 bits )
  - TDI mode
  - Test generator status
- Spare ( 24 bits )

IAD transmission principle for Compressed mode: IAD are transmitted within IAD field over 96 bytes. IAD data are scattered over a 12 bytes brick. This elementary brick is repeated 8 times over the strip.



Bits	Name	Remarks																																										
Instrument Ancillary Data (IAD, ODD lines) 8 x 48 bit																																												
0...7	INTTIME	<p>FEE Integration Time (8 bit)</p> <p>There are 13 different Integration Time values INTTIME0...INTTIME12. The values are unique for each band and correspond with the transmitted band number.</p> <p>The allowed range is</p> <table><tr><th>Integration Times</th><th>Band</th><th>8 bit coding</th></tr><tr><td>INTTIME0</td><td>B1</td><td>Ti min = 0,0496 msec / Ti max = 1,5158 msec</td></tr><tr><td>INTTIME1</td><td>B2</td><td>Ti min = 0,0496 msec / Ti max = 1,5158 msec</td></tr><tr><td>INTTIME2</td><td>B3</td><td>Ti min = 0,0496 msec / Ti max = 1,5158 msec</td></tr><tr><td>INTTIME3</td><td>B4</td><td>Ti min = 0,0496 msec / Ti max = 1,5158 msec</td></tr><tr><td>INTTIME4</td><td>B5</td><td>Ti min = 0,0496 msec / Ti max = 3,0819 msec</td></tr><tr><td>INTTIME5</td><td>B6</td><td>Ti min = 0,0496 msec / Ti max = 3,0819 msec</td></tr><tr><td>INTTIME6</td><td>B7</td><td>Ti min = 0,0496 msec / Ti max = 3,0819 msec</td></tr><tr><td>INTTIME7</td><td>B8</td><td>Ti min = 0,0496 msec / Ti max = 3,0819 msec</td></tr><tr><td>INTTIME8</td><td>B8a</td><td>Ti min = 0,0363 msec / Ti max = 9,3458 msec</td></tr><tr><td>INTTIME9</td><td>B9</td><td>Ti min = 0,0363 msec / Ti max = 9,3458 msec</td></tr><tr><td>INTTIME10</td><td>B10</td><td>Ti min = 0,19568 msec / Ti max = 9,3456 msec</td></tr><tr><td>INTTIME11</td><td>B11</td><td>Ti min = 0,0496 msec / Ti max = 2,9315 msec</td></tr><tr><td>INTTIME12</td><td>B12</td><td>Ti min = 0,0496 msec / Ti max = 2,9315 msec</td></tr></table>	Integration Times	Band	8 bit coding	INTTIME0	B1	Ti min = 0,0496 msec / Ti max = 1,5158 msec	INTTIME1	B2	Ti min = 0,0496 msec / Ti max = 1,5158 msec	INTTIME2	B3	Ti min = 0,0496 msec / Ti max = 1,5158 msec	INTTIME3	B4	Ti min = 0,0496 msec / Ti max = 1,5158 msec	INTTIME4	B5	Ti min = 0,0496 msec / Ti max = 3,0819 msec	INTTIME5	B6	Ti min = 0,0496 msec / Ti max = 3,0819 msec	INTTIME6	B7	Ti min = 0,0496 msec / Ti max = 3,0819 msec	INTTIME7	B8	Ti min = 0,0496 msec / Ti max = 3,0819 msec	INTTIME8	B8a	Ti min = 0,0363 msec / Ti max = 9,3458 msec	INTTIME9	B9	Ti min = 0,0363 msec / Ti max = 9,3458 msec	INTTIME10	B10	Ti min = 0,19568 msec / Ti max = 9,3456 msec	INTTIME11	B11	Ti min = 0,0496 msec / Ti max = 2,9315 msec	INTTIME12	B12	Ti min = 0,0496 msec / Ti max = 2,9315 msec
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INTTIME2	B3	Ti min = 0,0496 msec / Ti max = 1,5158 msec																																										
INTTIME3	B4	Ti min = 0,0496 msec / Ti max = 1,5158 msec																																										
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INTTIME12	B12	Ti min = 0,0496 msec / Ti max = 2,9315 msec																																										
8...15	FEE health status	<p>FEEM health status (8 bit)</p> <p>There are 8 unique status values ( 1 per FEEM ). The value corresponds to the FEEM concerned by the detector number and the SWIR or VNIR type.</p> <p>Bit 15 : Parity Error bit Bit 14 : Stop bit Error bit Bit 13 : Time Out Error Bit Bit 11 : Latchup on the VDA voltage error bit (SWIR only) Bit 12 : Latchup on the VDD voltage error bit (SWIR only) Bit 10 : Latchup on the VDD0 voltage error bit Bit 9 : Tbd Bit 8 : Tbd</p>																																										
16...27	FPAT	<p>FPA Temperature (12 bit) / Thermal control</p> <p>There are 2 unique FPA Temperature values FPATM0, FPATM1 ( 1 for VNIR FPA, 1 for SWIR FPA ).</p> <p>The values corresponds to the FPA temperature provided by the thermistor used for the thermal control of the current detector type ( VNIR or SWIR )</p> <p>The allowed range is</p> <table><tr><th>Temperature</th><th>12 bit coding</th></tr><tr><td>VNIR</td><td>0 = 50°C up to 4095 = 0°C Temperature evolution over the range will be characterised by several linear parts.</td></tr><tr><td>SWIR</td><td>0 = -95°C up to 4095 = -70°C Temperature evolution over the range will be characterised by several linear parts.</td></tr></table>	Temperature	12 bit coding	VNIR	0 = 50°C up to 4095 = 0°C Temperature evolution over the range will be characterised by several linear parts.	SWIR	0 = -95°C up to 4095 = -70°C Temperature evolution over the range will be characterised by several linear parts.																																				
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28...39	FPAT	<p>FPA Temperature (12 bit) / Monitoring</p> <p>There are 2 unique FPA Temperature values FPATR0, FPATR1 ( 1 for VNIR FPA, 1 for SWIR FPA ).</p> <p>The values corresponds to the FPA temperature provided by the thermistor used for the monitoring of the current detector type ( VNIR or SWIR )</p> <p>The allowed range is</p> <table><tr><th>Temperature</th><th>12 bit coding</th></tr><tr><td>VNIR</td><td>0 = 50°C up to 4095 = 0°C Temperature evolution over the range will be characterised by several linear parts.</td></tr><tr><td>SWIR</td><td>0 = -95°C up to 4095 = -70°C Temperature evolution over the range will be characterised by several linear parts.</td></tr></table>	Temperature	12 bit coding	VNIR	0 = 50°C up to 4095 = 0°C Temperature evolution over the range will be characterised by several linear parts.	SWIR	0 = -95°C up to 4095 = -70°C Temperature evolution over the range will be characterised by several linear parts.																																				
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40...47	Spares	8 bit spares																																										

Bits	Name	Remarks												
<b>Instrument Ancillary Data (IAD, EVEN lines) 8 x 48 bit</b>														
0...7	CRATIO	<p>Compression Ratio WICOM (8 bit)</p> <p>The values represent the programmed output rate defined in number of bits per pixel (BPP) of the corresponded band. The following formula are valid:</p> $CRATIO = 25 \times BPP$ <p>The allowed range is</p> <table border="1"> <thead> <tr> <th>CRATIO</th><th>BPP</th><th>Remark</th></tr> </thead> <tbody> <tr> <td>0 to 7</td><td>Reserved</td><td>Reserved</td></tr> <tr> <td>8 to 150</td><td>0.32 to 6.00</td><td></td></tr> <tr> <td>151 to 255</td><td>Reserved</td><td>Reserved</td></tr> </tbody> </table> <p>The value corresponds to the transmitted band number.</p>	CRATIO	BPP	Remark	0 to 7	Reserved	Reserved	8 to 150	0.32 to 6.00		151 to 255	Reserved	Reserved
CRATIO	BPP	Remark												
0 to 7	Reserved	Reserved												
8 to 150	0.32 to 6.00													
151 to 255	Reserved	Reserved												
8...17	NUCTID	<p>NUC Table ID ( 10 bit)</p> <p>This ID is uniform for all transmitted bands</p>												
18...23	VPMSET	VPM settings (6 bits, 5 used)												
	18 : TMODE	<p>Video Channel Source Select (1 bit)</p> <p>Channel connected to ADC: "0"</p> <p>Channel connected to Test Generator: "1"</p> <p>Configurable for each Video Channel ( 48 unique values), value corresponds with transmitted band &amp; detector</p>												
	19 : SYNC	<p>Test clock synchronisation to the sync of the 10m band (1bit)</p> <p>Free running : "0"</p> <p>Synchronized: "1"</p> <p>Configurable for each VPM, value corresponds with transmitted band &amp; detector</p>												
	20 : NOISE	<p>Noise Insertion in Test Mode (1 bit)</p> <p>Noise OFF: "0"</p> <p>PSR Noise ON: "1"</p> <p>Configurable for each VPM, value corresponds with transmitted band</p>												
	21-22 : TDI/A/B	<p>TDI mode (2 bits)</p> <p>TDI applied: "00"</p> <p>TDI not applied, Line A transmitted "01"</p> <p>TDI not applied, Line B transmitted "10"</p> <p>No TDI band "11"</p> <p>There are 48 unique values : 1 per detector (12) and per TDI band (4)</p>												
	23 : Spare	Spare bit												
24...47	Spares	24 bit spares												



### 3.3 Satellite Ancillary Data

Data acquired on-board by the satellite in support of the observation data, such as orbit position, velocity and time (generated by GNSS), attitude (generated by the AOCS sensors) needed to process measurement data on ground. Depending on timing constraints (NRT product or not), these data will be post-processed on-ground to improve the accuracy of orbit and attitude restitution.

The Satellite Ancillary Data are provided within the non-Science TM Source Packets via X-band. These data are collected from all units/instruments by the On-Board Computer (OBC) and routed to a dedicated Satellite Ancillary Data Store. All Satellite Ancillary are marked in the packet header by PCAT = 6, 11, 12 or 13.

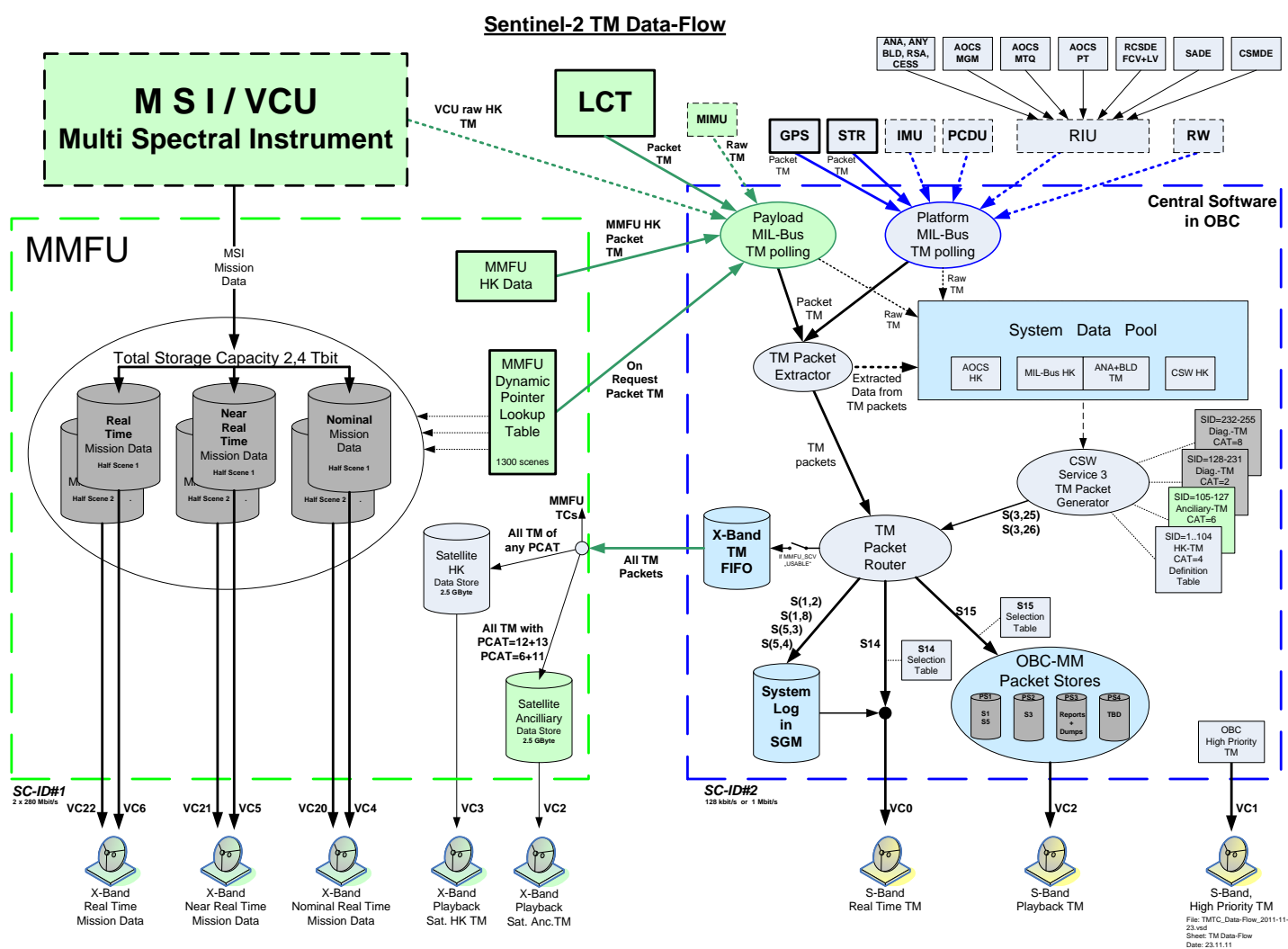


Figure 3.3-1 Sentinel-2 TM Data Flow with Satellite Ancillary Data Store

The Satellite Ancillary Data are composed by TM packets from the following units:

- GPS-Receiver
- Startracker
- Central Software with extracted data from the following sources:
  - AOCS Software attitude data (AOCS-TM1)
  - AOCS Software propagator data (AOCS-TM2)
  - Navigation Solution data from GPSR (AOCS-GPSR)
  - Time Correlation Parameter data from GPSR (AOCS-GPSR)
  - Inertial Measurement Unit data (AOCS-IMU)
  - Thermal Subsystem data (AOCS-THERM)

### 3.3.1 TM Packets from GPS-Receiver

The GPS-Receiver is redundant i.e. GPSR-A and GPSR-B. Both GPSRs generate the same packets, but with a different PRID. The following Satellite Ancillary Data packets are provided by the GPS-Receiver (GPSR). Details can be found in [AD-12] §4.2 Table 4-2 "PCAT Values Definition", [AD-13] , §5 "MEASUREMENT DATA" and in the SRDB.

GPSR TM Packets at **1 Hz** with the following parameters:

- Sentinel Auxiliary Data by Service(212, 1, **PRID=GPSR, SID=218, PCAT=6**)

GPSR TM Packets at **0.1 Hz** with the following parameters:

- Satellites in view status by Service(212, 1, **PRID=GPSR, SID=223, PCAT=6**)
- Carrier Phase measurements by Service(212, 1, **PRID=GPSR, SID 225, PCAT=6**)
- Carrier Amplitude by Service(212,1, **PRID=GPSR, SID 226, PCAT=6**)
- Code Phase measurements by Service(212, 1, **PRID=GPSR, SID 227, PCAT=6**)

GPSR TM Packets **event driven** with the following parameters:

- GPS NAV Almanac by Service(212, 1, **PRID=GPSR, SID 230, PCAT=13**)
- GPS NAV Ephemeris by Service(212, 1, **PRID=GPSR, SID 231, PCAT=13**)
- GPS NAV UTC and Ionosphere by Service(212, 1, **PRID=GPSR, SID 232, PCAT=13**)
- Constellation status by Service(212, 1, **PRID=GPSR, SID 229, PCAT=13**)

The following GPSR TM Packets are marked as Satellite Ancillary Data. They are only used for diagnostic purpose and therefore they are DISABLED:

- GPS Channel Status by Service(212, 1, **PRID=GPSR, SID 224, PCAT=12**)
- GPS Tracking State by Service(212, 1, **PRID=GPSR, SID 215, PCAT=12**)
- GPS Noise Histogram by Service(212, 1, **PRID=GPSR, SID 235, PCAT=12**)
- GPS AGC Status by Service(212, 1, **PRID=GPSR, SID 234, PCAT=13**)

Note: When enabling additional GPS packets, the overall bit rate needs to be respected to avoid delay or loss of GPS packets.

The following GPSR TM Packets have been added for completeness, but not for use. Since they are not applicable for Sentinel-2, they are always DISABLED:

- GPS **S1** Navigation Solution by Service(212, 1, **PRID=GPSR, SID 216, PCAT=11**)
- GPS **S1** IMT/GPST Correlation by Service(212, 1, **PRID=GPSR, SID 217, PCAT=11**)

Please refer to §3.4 "SRDB Export of Satellite Ancillary Data" for the structure and calibration of the Satellite Ancillary Data TM packets.

### 3.3.2 TM Packets from Startracker

3 Startrackers are mounted for Sentinel-2 i.e. STR-1, STR-2 and STR-3. They generate the same packets, but with a different PRID. The following Satellite Ancillary Data packets are provided by each of the three Startracker (STR), which are switched ON and in Tracking Mode. The STR TM packets are time stamped by STR itself, which is synchronized with the Central OBT. The content is according to STR PUS ICD [AD-14] §7.2.1, §7.2.3.

- TM\_ADB "Attitude Data Block" TM packet(3, 25, **PRID=STR, SID 105, PCAT=6**) at **10 Hz**
- TM\_TDB "Tracker Data Block" TM packet(3, 25, **PRID=STR, SID 106, PCAT=6**) **disabled, only available for diagnostic purposes**

Please refer to §3.4 "SRDB Export of Satellite Ancillary Data" for the structure and calibration of the Satellite Ancillary Data TM packets.

### 3.3.3 TM Packets from Central Software

The Central Software (CSW) stores its Satellite Housekeeping data in the System Datapool including the Satellite Ancillary Data.

Dedicated telemetry parameter are collected from the System Datapool and provided as Satellite Ancillary Data TM(3,25, PRID=AOCS, PCAT=6+12) on S-Band and X-Band. All those TM packet are time-stamped directly by the Central Software.

The ancillary data include the raw equipment measurement data and processed measurement data, namely estimated position, velocity, attitude, and rate. Measurement processing is part of the CSW-AOCS algorithm software.

The CSW-AOCS Software runs twice per second inside the OBC. The CSW-AOCS software includes an orbit propagator, which updates its states with the GPSR measurements whenever a new and valid solution is available. Position and velocity are transformed from WGS84 to geocentric J2000 considering precession, nutation, and Earth rotation (using UT1). Similarly a gyro stellar estimator processes STR and IMU measurements to determine the attitude of the satellite reference frame with respect to J2000.

The following chapters describe the designated Ancillary Data TM packet types.

### 3.3.3.1 CSW AOCS-TM1 Attitude Data

The following [Satellite Ancillary Data "Attitude Data" packet](#) is generated by the CSW-AOCS PRID:

- **AOCS-TM1(3,25,PRID=AOCS; SID=121; PCAT=6)**

This packet is generated at **2 Hz** by the CSW. It contains 5 attitude samples of the 10 Hz readout of the IMU. Please refer to §3.4 "SRDB Export of Satellite Ancillary Data" for the structure and calibration of the Satellite Ancillary Data TM packets.

### 3.3.3.2 CSW AOCS-TM2 Propagator Data

The following [Satellite Ancillary Data "Propagator Data" packet](#) is generated by AOCS-AOCS PRID:

- **AOCS-TM2(3,25,PRID=AOCS; SID=122; PCAT=6)**

This packet is generated at **1 Hz** by the CSW.

Please refer to §3.4 "SRDB Export of Satellite Ancillary Data" for the structure and calibration of the Satellite Ancillary Data TM packets.

### 3.3.3.3 CSW AOCS-GPSR Data

The CSW extracts for internal processing from the GPSR the packet data field source data of the following TM packets and stores them in the System Datapool:

- Navigation Solution Data Record TM(3,25; **PRID=GPSR; SID =213, PCAT=4**)
- Time Correlation Data Record TM(3,25; **PRID=GPSR; SID =214, PCAT=4**)

GPSR Navigation Solution and Time Correlation data are newly packed by the CSW and marked as Ancillary data as follows:

- **AOCS-GPSR A Navigation Solution** (3,25,PRID=AOCS; SID=105; **PCAT=6**) at 1 Hz
- **AOCS-GPSR A Time Correlation** (3,25,PRID=AOCS; SID=106; **PCAT=6**) at 1 Hz
- **AOCS-GPSR B Navigation Solution** (3,25,PRID=AOCS; SID=108; **PCAT=6**) at 1 Hz
- **AOCS-GPSR B Time Correlation** (3,25,PRID=AOCS; SID=109; **PCAT=6**) at 1 Hz

The **AOCS-GPSR Navigation Solution** and **Time Correlation** packets contain the data fields inline with the layout as described in [AD-12] §4.2 Table 4-2 "PCAT Values Definition", [AD-13] §5 "MEASUREMENT DATA".

Please refer to §3.4 "SRDB Export of Satellite Ancillary Data" for the structure and calibration of the Satellite Ancillary Data TM packets.

### 3.3.3.4 CSW AOCS-STR Data

The CSW extracts for internal processing from the STRs the packet data field source data of the following TM packets and stores them in the System Datapool:

- Attitude Data Block TM\_ADB TM(3,25; **PRID=STR; SID =105, PCAT=6**)
- Status and Health Data Block TM\_SDB TM(3,25; **PRID=STR; SID =1, PCAT=4**)

The original STR TM\_ADB packet is already marked as Ancillary data and therefore not repeated here. The related STR data are already computed by the AOCS-ALGO. The related result is presented in the **AOCS-TM1**. Therefore **NO** AOCS-STR packet is generated per default by the CSW. But [for diagnostic purposes](#) the related definition is available as follows:

- **AOCS-STR1\_TM\_SDB**(3,25, **PRID=AOCS; SID=124; PCAT=6**) disabled.
- **AOCS-STR2\_TM\_SDB**(3,25, **PRID=AOCS; SID=125; PCAT=6**) disabled.
- **AOCS-STR3\_TM\_SDB**(3,25, **PRID=AOCS; SID=126; PCAT=6**) disabled.

The **AOCS STR** data are inline with the layout as described in STR ICD [AD-14] §7.2.1, §7.2.3.

[Please refer to §3.4 "SRDB Export of Satellite Ancillary Data" for the structure and calibration of the Satellite Ancillary Data TM packets.](#)



### 3.3.3.5 CSW AOCS-IMU Data

The following Satellite Ancillary Data packets are collected from the 4 Inertial Measurement Unit Channels (IMU) and stored in the System Datapool. They are time stamped by the Central OBT with the 10PPS.

The **10 Hz** IMU 1+2+3+4 data are packetized by the CSW and marked as Ancillary Data. The basic frequency of the AOCS. The 10 different **AOCS-IMU** packets are generated at 1 Hz. They report the data of the 4 IMUs at each different 10PPS pulse i.e. at each 100 msec slot within one second:

- **AOCS-IMU1234S1**(3,25,PRID=AOCS; SID=111; **PCAT=6**) acquisition 1 @ PPS
- **AOCS-IMU1234S2**(3,25,PRID=AOCS; SID=112; **PCAT=6**) acquisition 2 @ PPS + 100 msec
- **AOCS-IMU1234S3**(3,25,PRID=AOCS; SID=113; **PCAT=6**) acquisition 3 @ PPS + 200 msec
- **AOCS-IMU1234S4**(3,25,PRID=AOCS; SID=114; **PCAT=6**) acquisition 4 @ PPS + 300 msec
- **AOCS-IMU1234S5**(3,25,PRID=AOCS; SID=115; **PCAT=6**) acquisition 5 @ PPS + 400 msec
- **AOCS-IMU1234S6**(3,25,PRID=AOCS; SID=116; **PCAT=6**) acquisition 6 @ PPS + 500 msec
- **AOCS-IMU1234S7**(3,25,PRID=AOCS; SID=117; **PCAT=6**) acquisition 7 @ PPS + 600 msec
- **AOCS-IMU1234S8**(3,25,PRID=AOCS; SID=118; **PCAT=6**) acquisition 8 @ PPS + 700 msec
- **AOCS-IMU1234S9**(3,25,PRID=AOCS; SID=119; **PCAT=6**) acquisition 9 @ PPS + 800 msec
- **AOCS-IMU1234S10**(3,25,PRID=AOCS; SID=120; **PCAT=6**) acquisition 10 @ PPS + 900 msec

The AOCS-IMU packets are only enabled if the IMU is ON. The **10 Hz** Data per IMU channel are defined by the so called Inertial Data as specified in [AD-15] §8.6.8 and are defined by the SRDB.

The AOCS-IMU1234 HK packet is only enabled if the IMUs are ON. The 1 Hz Data from each IMU channel are combined in one IMU HK packet as specified in [AD-15] §8.6.10 and are defined by the SRDB:

- **AOCS-IMU1234HK**(3,25,PRID=AOCS; SID=110; **PCAT=6**) acquisition @ **1Hz**

The IMU TM data encoding is described in [AD-15] §6.1.2 related to ASTRIX 200.

Please refer to §3.4 "SRDB Export of Satellite Ancillary Data" for the structure and calibration of the Satellite Ancillary Data TM packets.

### 3.3.3.6 CSW MSI-SAD Packet

The following MSI Subsystem Satellite Ancillary Data packet is [generated by the CSW](#). It is generated at 0.1 Hz and time stamped by the Central OBT.

- **MSI-SAD(3,25,PRID=MSIC; SID=123; PCAT=6)** is generated at **0.1 Hz** by the CSW

The **MSI-SAD** packet contains data with focus on the MSI temperatures derived from the MSI Thermal ICD GS2.ICD.ASF.MSI.00003 §11.5.1 and from the Sentinel-2 Thermal ICD GS2.ICD.ASD.SY.00017 Table 6.5-2

Note: Focal Plane Assembly temperature information is provided twice i.e. in this packet and within the Image Ancillary Data as described in [AD-10] §3.2.3.

Please refer to §3.4 "SRDB Export of Satellite Ancillary Data" for the structure and calibration of the Satellite Ancillary Data TM packets.

## 3.4 SRDB Export of Satellite Ancillary Data

In this chapter you find a Satellite Reference Database (SRDB) export of all Satellite Ancillary Data packets as listed below.

	PUS-Service	Generation Freq. [Hz]	Implemented in SRDB
<b>GPS-Receiver A</b>			
Sentinel Auxiliary Data	(212, 1, PRID=GPSR A, SID=218, PCAT=6)	1	GSY_GSS37120
Satellites in view status	(212, 1, PRID=GPSR A, SID=223, PCAT=6)	0.1	GSY_GSS37088
Carrier Phase measurements	(212, 1, PRID=GPSR A, SID 225, PCAT=6)	0.1	GSY_GSS37089
Carrier Amplitude	(212,1, PRID=GPSR A, SID 226, PCAT=6)	0.1	GSY_GSS37114
Code Phase measurements	(212, 1, PRID=GPSR A, SID 227, PCAT=6)	0.1	GSY_GSS37090
<b>- GPSR A TM Packets event driven:</b>			
GPS NAV Almanac	(212, 1, PRID=GPSR A, SID 230, PCAT=13)	event	GSY_GSS37117
GPS NAV Ephemeris	(212, 1, PRID=GPSR A, SID 231, PCAT=13)	event	GSY_GSS37118
GPS NAV UTC and Ionosphere	(212, 1, PRID=GPSR A, SID 232, PCAT=13)	event	GSY_GSS37119
Constellation status	(212, 1, PRID=GPSR A, SID 229, PCAT=13)	event	GSY_GSS37111
<b>- GPSR A Diagnostic TM DISABLED:</b>			
GPS Channel Status	(212, 1, PRID=GPSR A, SID 224, PCAT=12)	disabled	GSY_GSS37113
GPS Tracking State	(212, 1, PRID=GPSR A, SID 215, PCAT=12)	disabled	GSY_GSS37112
GPS Noise Histogram	(212, 1, PRID=GPSR A, SID 235, PCAT=12)	disabled	GSY_GSS37115
GPS AGC Status	(212, 1, PRID=GPSR A, SID 234, PCAT=13)	disabled	GSY_GSS37116
<b>GPS-Receiver B</b>			
Sentinel Auxiliary Data	(212, 1, PRID=GPSR B, SID=218, PCAT=6)	1	GSY_GSS37241
Satellites in view status	(212, 1, PRID=GPSR B, SID=223, PCAT=6)	0.1	GSY_GSS37209
Carrier Phase measurements	(212, 1, PRID=GPSR B, SID 225, PCAT=6)	0.1	GSY_GSS37210
Carrier Amplitude	(212,1, PRID=GPSR B, SID 226, PCAT=6)	0.1	GSY_GSS37235
Code Phase measurements	(212, 1, PRID=GPSR B, SID 227, PCAT=6)	0.1	GSY_GSS37211
<b>- GPSR B TM Packets event driven:</b>			
GPS NAV Almanac	(212, 1, PRID=GPSR B, SID 230, PCAT=13)	event	GSY_GSS37238
GPS NAV Ephemeris	(212, 1, PRID=GPSR B, SID 231, PCAT=13)	event	GSY_GSS37239
GPS NAV UTC and Ionosphere	(212, 1, PRID=GPSR B, SID 232, PCAT=13)	event	GSY_GSS37240
Constellation status	(212, 1, PRID=GPSR B, SID 229, PCAT=13)	event	GSY_GSS37232
<b>- GPSR B Diagnostic TM DISABLED:</b>			
GPS Channel Status	(212, 1, PRID=GPSR B, SID 224, PCAT=12)	disabled	GSY_GSS37234
GPS Tracking State	(212, 1, PRID=GPSR B, SID 215, PCAT=12)	disabled	GSY_GSS37233
GPS Noise Histogram	(212, 1, PRID=GPSR B, SID 235, PCAT=12)	disabled	GSY_GSS37236
GPS AGC Status	(212, 1, PRID=GPSR B, SID 234, PCAT=13)	disabled	GSY_GSS37237
<b>Startracker 1</b>			
TM_ADB "Attitude Data Block" TM packet	(3, 25, PRID=STR 1, SID 105, PCAT=6)	10	SSY_HK_35501
TM_TDB "Tracker Data Block" TM packet	(3, 25, PRID=STR 1, SID 106, PCAT=6)	disabled	SSY_HK_35503
<b>Startracker 2</b>			
TM_ADB "Attitude Data Block" TM packet	(3, 25, PRID=STR 2, SID 105, PCAT=6)	10	SSY_HK_35651
TM_TDB "Tracker Data Block" TM packet	(3, 25, PRID=STR 2, SID 106, PCAT=6)	disabled	SSY_HK_35653
<b>Startracker 3</b>			
TM_ADB "Attitude Data Block" TM packet	(3, 25, PRID=STR 3, SID 105, PCAT=6)	10	SSY_HK_35801
TM_TDB "Tracker Data Block" TM packet	(3, 25, PRID=STR 3, SID 106, PCAT=6)	disabled	SSY_HK_35803

	PUS-Service	Generation Freq. [Hz]	Implemented in SRDB
<b>CSW AOCS TM Data</b>			
CSW AOCS-TM1 Attitude Data	(3,25,PRID=AOCS; SID=121; PCAT=6)	2	ASY_ANC32121
CSW AOCS-TM2 Propagator Data	(3,25,PRID=AOCS; SID=122; PCAT=6)	1	ASY_ANC32122
<b>CSW AOCS-GPSR Data</b>			
AOCS-GPSR A Navigation Solution	(3,25,PRID=AOCS; SID=105; PCAT=6)	1	ASY_ANC32105
AOCS-GPSR A Time Correlation	(3,25,PRID=AOCS; SID=106; PCAT=6)	1	ASY_ANC32106
AOCS-GPSR B Navigation Solution	(3,25,PRID=AOCS; SID=108; PCAT=6)	1	ASY_ANC32108
AOCS-GPSR B Time Correlation	(3,25,PRID=AOCS; SID=109; PCAT=6)	1	ASY_ANC32109
<b>CSW AOCS-STR Data</b>			
AOCS-STR1_TM_SDB	(3,25, PRID=AOCS; SID=124; PCAT=6)	disabled	ASY_ANC32124
AOCS-STR2_TM_SDB	(3,25, PRID=AOCS; SID=125; PCAT=6)	disabled	ASY_ANC32125
AOCS-STR3_TM_SDB	(3,25, PRID=AOCS; SID=126; PCAT=6)	disabled	ASY_ANC32126
<b>CSW AOCS-IMU Data</b>			
AOCS-IMU1234HK	(3,25,PRID=AOCS; SID=110; PCAT=6)	1	ASY_ANC32110
AOCS-IMU1234S1	(3,25,PRID=AOCS; SID=111; PCAT=6)	10	ASY_ANC32111
AOCS-IMU1234S2	(3,25,PRID=AOCS; SID=112; PCAT=6)	10	ASY_ANC32112
AOCS-IMU1234S3	(3,25,PRID=AOCS; SID=113; PCAT=6)	10	ASY_ANC32113
AOCS-IMU1234S4	(3,25,PRID=AOCS; SID=114; PCAT=6)	10	ASY_ANC32114
AOCS-IMU1234S5	(3,25,PRID=AOCS; SID=115; PCAT=6)	10	ASY_ANC32115
AOCS-IMU1234S6	(3,25,PRID=AOCS; SID=116; PCAT=6)	10	ASY_ANC32116
AOCS-IMU1234S7	(3,25,PRID=AOCS; SID=117; PCAT=6)	10	ASY_ANC32117
AOCS-IMU1234S8	(3,25,PRID=AOCS; SID=118; PCAT=6)	10	ASY_ANC32118
AOCS-IMU1234S9	(3,25,PRID=AOCS; SID=119; PCAT=6)	10	ASY_ANC32119
AOCS-IMU1234S10	(3,25,PRID=AOCS; SID=120; PCAT=6)	10	ASY_ANC32120
<b>CSW MSI-SAD Packet</b>			
MSI-SAD (Mode and temperatures)	(3,25,PRID=MSIC; SID=123; PCAT=6)	0.1	CJY_ANC17123



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
 Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32105	GPSRA Navigation Solution (GPSR-SID=213)		3,25	11	6	182	Y	127	FIXED	AST00032	105	10000	Y	32105	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N				
2	0	1	32	AST08004	GPSA_NAVSOL_ACQ	UINT	STRING	ASKT0101TM	N				
3	0	5	32	AST08005	GPSA_NAVSOL_VAL	UINT	STRING	ASKT0102TM	N				
4	0	9	32	AST08093	GPSA_NS_TS_COAR	UINT	INTEGER	Z_IDENTITY	N				
5	0	13	32	ASTG8091	GPSA_NS_TS_FINE				N				
		0	24	ASTD8092	GPSA_NS_TSF_SSEC	UINT	INTEGER	Z_IDENTITY					
		27	1	ASTD8093	GPSA_NS_TSF_TYPE	UINT	INTEGER	Z_IDENTITY					
		28	1	ASTD8094	GPSA_NS_TSF_SSRC	UINT	INTEGER	Z_IDENTITY					
		29	1	ASTD8095	GPSA_NS_TSF_SMET	UINT	INTEGER	Z_IDENTITY					
		30	1	ASTD8096	GPSA_NS_TSF_SSTS	UINT	INTEGER	Z_IDENTITY					
		31	1	ASTD8097	GPSA_NS_TSF_SYNC	UINT	INTEGER	Z_IDENTITY					
6	0	17	16	AST08007	GPSA_NAVSOL_W00	UINT	INTEGER	Z_IDENTITY	N			N	
7	0	19	16	AST08008	GPSA_NAVSOL_W01	UINT	INTEGER	Z_IDENTITY	N			N	
8	0	21	16	AST08009	GPSA_NAVSOL_W02	UINT	INTEGER	Z_IDENTITY	N			N	
9	0	23	16	AST08010	GPSA_NAVSOL_W03	UINT	INTEGER	Z_IDENTITY	N			N	
10	0	25	16	AST08011	GPSA_NAVSOL_W04	UINT	INTEGER	Z_IDENTITY	N			N	
11	0	27	16	AST08012	GPSA_NAVSOL_W05	UINT	INTEGER	Z_IDENTITY	N			N	
12	0	29	16	AST08013	GPSA_NAVSOL_W06	UINT	INTEGER	Z_IDENTITY	N			N	
13	0	31	16	AST08014	GPSA_NAVSOL_W07	UINT	INTEGER	Z_IDENTITY	N			N	
14	0	33	16	AST08015	GPSA_NAVSOL_W08	UINT	INTEGER	Z_IDENTITY	N			N	
15	0	35	16	AST08016	GPSA_NAVSOL_W09	UINT	INTEGER	Z_IDENTITY	N			N	
16	0	37	16	AST08017	GPSA_NAVSOL_W10	UINT	INTEGER	Z_IDENTITY	N			N	
17	0	39	16	AST08018	GPSA_NAVSOL_W11	UINT	INTEGER	Z_IDENTITY	N			N	
18	0	41	16	AST08019	GPSA_NAVSOL_W12	UINT	INTEGER	Z_IDENTITY	N			N	
19	0	43	16	AST08020	GPSA_NAVSOL_W13	UINT	INTEGER	Z_IDENTITY	N			N	
20	0	45	16	AST08021	GPSA_NAVSOL_W14	UINT	INTEGER	Z_IDENTITY	N			N	
21	0	47	16	AST08022	GPSA_NAVSOL_W15	UINT	INTEGER	Z_IDENTITY	N			N	
22	0	49	16	AST08023	GPSA_NAVSOL_W16	UINT	INTEGER	Z_IDENTITY	N			N	
23	0	51	16	AST08024	GPSA_NAVSOL_W17	UINT	INTEGER	Z_IDENTITY	N			N	
24	0	53	16	AST08025	GPSA_NAVSOL_W18	UINT	INTEGER	Z_IDENTITY	N			N	



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
Page: 2 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32105	GPSRA Navigation Solution (GPSR-SID=213)	3	25	11	6	182	Y	127	FIXED	AST00032	105	10000	Y	32105	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
25	0	55	16	AST08026	GPSA_NAVSOL_W19	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	57	16	AST08027	GPSA_NAVSOL_W20	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	59	16	AST08028	GPSA_NAVSOL_W21	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	61	16	AST08029	GPSA_NAVSOL_W22	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	63	16	AST08030	GPSA_NAVSOL_W23	UINT	INTEGER	Z_IDENTITY	N	N			
30	0	65	16	AST08031	GPSA_NAVSOL_W24	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	67	16	AST08032	GPSA_NAVSOL_W25	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	69	16	AST08033	GPSA_NAVSOL_W26	UINT	INTEGER	Z_IDENTITY	N	N			
33	0	71	16	AST08034	GPSA_NAVSOL_W27	UINT	INTEGER	Z_IDENTITY	N	N			
34	0	73	16	AST08035	GPSA_NAVSOL_W28	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	75	16	AST08036	GPSA_NAVSOL_W29	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	77	16	AST08037	GPSA_NAVSOL_W30	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	79	16	AST08038	GPSA_NAVSOL_W31	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	81	16	AST08039	GPSA_NAVSOL_W32	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	83	16	AST08040	GPSA_NAVSOL_W33	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	85	16	AST08041	GPSA_NAVSOL_W34	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	87	16	AST08042	GPSA_NAVSOL_W35	UINT	INTEGER	Z_IDENTITY	N	N			
42	0	89	16	AST08043	GPSA_NAVSOL_W36	UINT	INTEGER	Z_IDENTITY	N	N			
43	0	91	16	AST08044	GPSA_NAVSOL_W37	UINT	INTEGER	Z_IDENTITY	N	N			
44	0	93	16	AST08045	GPSA_NAVSOL_W38	UINT	INTEGER	Z_IDENTITY	N	N			
45	0	95	16	AST08046	GPSA_NAVSOL_W39	UINT	INTEGER	Z_IDENTITY	N	N			
46	0	97	16	AST08047	GPSA_NAVSOL_W40	UINT	INTEGER	Z_IDENTITY	N	N			
47	0	99	16	AST08048	GPSA_NAVSOL_W41	UINT	INTEGER	Z_IDENTITY	N	N			
48	0	101	16	AST08049	GPSA_NAVSOL_W42	UINT	INTEGER	Z_IDENTITY	N	N			
49	0	103	16	AST08050	GPSA_NAVSOL_W43	UINT	INTEGER	Z_IDENTITY	N	N			
50	0	105	16	AST08051	GPSA_NAVSOL_W44	UINT	INTEGER	Z_IDENTITY	N	N			
51	0	107	16	AST08052	GPSA_NAVSOL_W45	UINT	INTEGER	Z_IDENTITY	N	N			
52	0	109	16	AST08053	GPSA_NAVSOL_W46	UINT	INTEGER	Z_IDENTITY	N	N			
53	0	111	16	AST08054	GPSA_NAVSOL_W47	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**  
AST08004 GPSA\_NAVSOL\_ACQ

From	To	Text
0		NOT_ACQUIRED
1		ACQ_FAILED
2		ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**  
AST08005 GPSA\_NAVSOL\_VAL

From	To	Text
0		INVALID
1		VALID



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
Page: 1 of 1

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32106	GPSRA Time Correlation (GPSR-SID=214)	3	25	11	6	182	Y	59	FIXED	AST00032		106	10000	Y	32106	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N				
2	0	1	32	AST08057	GPSA_TCORR_ACQ	UINT	STRING	ASKT0101TM	N				
3	0	5	32	AST08058	GPSA_TCORR_VAL	UINT	STRING	ASKT0102TM	N				
4	0	9	32	AST08100	GPSA_TC_TS_COAR	UINT	INTEGER	Z_IDENTITY	N				
5	0	13	32	ASTG8101	GPSA_TC_TS_FINE				N				
		0	24	ASTD8102	GPSA_TC_TSF_SSEC	UINT	INTEGER	Z_IDENTITY					
		27	1	ASTD8103	GPSA_TC_TSF_TYPE	UINT	INTEGER	Z_IDENTITY					
		28	1	ASTD8104	GPSA_TC_TSF_SSRC	UINT	INTEGER	Z_IDENTITY					
		29	1	ASTD8105	GPSA_TC_TSF_SMET	UINT	INTEGER	Z_IDENTITY					
		30	1	ASTD8106	GPSA_TC_TSF_SSTS	UINT	INTEGER	Z_IDENTITY					
		31	1	ASTD8107	GPSA_TC_TSF_SYNC	UINT	INTEGER	Z_IDENTITY					
6	0	17	16	AST08060	GPSA_TCORR_W00	UINT	INTEGER	Z_IDENTITY	N			N	
7	0	19	16	AST08061	GPSA_TCORR_W01	UINT	INTEGER	Z_IDENTITY	N			N	
8	0	21	16	AST08062	GPSA_TCORR_W02	UINT	INTEGER	Z_IDENTITY	N			N	
9	0	23	16	AST08063	GPSA_TCORR_W03	UINT	INTEGER	Z_IDENTITY	N			N	
10	0	25	16	AST08064	GPSA_TCORR_W04	UINT	INTEGER	Z_IDENTITY	N			N	
11	0	27	16	AST08065	GPSA_TCORR_W05	UINT	INTEGER	Z_IDENTITY	N			N	
12	0	29	16	AST08066	GPSA_TCORR_W06	UINT	INTEGER	Z_IDENTITY	N			N	
13	0	31	16	AST08067	GPSA_TCORR_W07	UINT	INTEGER	Z_IDENTITY	N			N	
14	0	33	16	AST08068	GPSA_TCORR_W08	UINT	INTEGER	Z_IDENTITY	N			N	
15	0	35	16	AST08069	GPSA_TCORR_W09	UINT	INTEGER	Z_IDENTITY	N			N	
16	0	37	16	AST08070	GPSA_TCORR_W10	UINT	INTEGER	Z_IDENTITY	N			N	
17	0	39	16	AST08071	GPSA_TCORR_W11	UINT	INTEGER	Z_IDENTITY	N			N	
18	0	41	16	AST08072	GPSA_TCORR_W12	UINT	INTEGER	Z_IDENTITY	N			N	
19	0	43	16	AST08073	GPSA_TCORR_W13	UINT	INTEGER	Z_IDENTITY	N			N	





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

AST08057 GPSA\_TCORR\_ACQ

From	To	Text
0		NOT_ACQUIRED
1		ACQ_FAILED
2		ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

AST08058 GPSA\_TCORR\_VAL

From	To	Text
0		INVALID
1		VALID



# Sentinel-2

## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32108	GPSRB Navigation Solution (GPSR-SID=213)	3	25	11	6	182	Y	127	FIXED	AST00032	108	10000	Y	32108	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N				
2	0	1	32	AST18004	GPSB_NAVSOL_ACQ	UINT	STRING	ASKT0101TM	N				
3	0	5	32	AST18005	GPSB_NAVSOL_VAL	UINT	STRING	ASKT0102TM	N				
4	0	9	32	AST18093	GPSB_NS_TS_COAR	UINT	INTEGER	Z_IDENTITY	N				
5	0	13	32	ASTK8091	GPSB_NS_TS_FINE				N				
		0	24	ASTT8092	GPSB_NS_TSF_SSEC	UINT	INTEGER	Z_IDENTITY					
		27	1	ASTT8093	GPSB_NS_TSF_TYPE	UINT	INTEGER	Z_IDENTITY					
		28	1	ASTT8094	GPSB_NS_TSF_SSRC	UINT	INTEGER	Z_IDENTITY					
		29	1	ASTT8095	GPSB_NS_TSF_SMET	UINT	INTEGER	Z_IDENTITY					
		30	1	ASTT8096	GPSB_NS_TSF_SSTS	UINT	INTEGER	Z_IDENTITY					
		31	1	ASTT8097	GPSB_NS_TSF_SYNC	UINT	INTEGER	Z_IDENTITY					
6	0	17	16	AST18007	GPSB_NAVSOL_W00	UINT	INTEGER	Z_IDENTITY	N			N	
7	0	19	16	AST18008	GPSB_NAVSOL_W01	UINT	INTEGER	Z_IDENTITY	N			N	
8	0	21	16	AST18009	GPSB_NAVSOL_W02	UINT	INTEGER	Z_IDENTITY	N			N	
9	0	23	16	AST18010	GPSB_NAVSOL_W03	UINT	INTEGER	Z_IDENTITY	N			N	
10	0	25	16	AST18011	GPSB_NAVSOL_W04	UINT	INTEGER	Z_IDENTITY	N			N	
11	0	27	16	AST18012	GPSB_NAVSOL_W05	UINT	INTEGER	Z_IDENTITY	N			N	
12	0	29	16	AST18013	GPSB_NAVSOL_W06	UINT	INTEGER	Z_IDENTITY	N			N	
13	0	31	16	AST18014	GPSB_NAVSOL_W07	UINT	INTEGER	Z_IDENTITY	N			N	
14	0	33	16	AST18015	GPSB_NAVSOL_W08	UINT	INTEGER	Z_IDENTITY	N			N	
15	0	35	16	AST18016	GPSB_NAVSOL_W09	UINT	INTEGER	Z_IDENTITY	N			N	
16	0	37	16	AST18017	GPSB_NAVSOL_W10	UINT	INTEGER	Z_IDENTITY	N			N	
17	0	39	16	AST18018	GPSB_NAVSOL_W11	UINT	INTEGER	Z_IDENTITY	N			N	
18	0	41	16	AST18019	GPSB_NAVSOL_W12	UINT	INTEGER	Z_IDENTITY	N			N	
19	0	43	16	AST18020	GPSB_NAVSOL_W13	UINT	INTEGER	Z_IDENTITY	N			N	
20	0	45	16	AST18021	GPSB_NAVSOL_W14	UINT	INTEGER	Z_IDENTITY	N			N	
21	0	47	16	AST18022	GPSB_NAVSOL_W15	UINT	INTEGER	Z_IDENTITY	N			N	
22	0	49	16	AST18023	GPSB_NAVSOL_W16	UINT	INTEGER	Z_IDENTITY	N			N	
23	0	51	16	AST18024	GPSB_NAVSOL_W17	UINT	INTEGER	Z_IDENTITY	N			N	
24	0	53	16	AST18025	GPSB_NAVSOL_W18	UINT	INTEGER	Z_IDENTITY	N			N	



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
Page: 2 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32108	GPSRB Navigation Solution (GPSR-SID=213)	3	25	11	6	182	Y	127	FIXED	AST00032	108	10000	Y	32108	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
25	0	55	16	AST18026	GPSB_NAVSOL_W19	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	57	16	AST18027	GPSB_NAVSOL_W20	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	59	16	AST18028	GPSB_NAVSOL_W21	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	61	16	AST18029	GPSB_NAVSOL_W22	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	63	16	AST18030	GPSB_NAVSOL_W23	UINT	INTEGER	Z_IDENTITY	N	N			
30	0	65	16	AST18031	GPSB_NAVSOL_W24	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	67	16	AST18032	GPSB_NAVSOL_W25	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	69	16	AST18033	GPSB_NAVSOL_W26	UINT	INTEGER	Z_IDENTITY	N	N			
33	0	71	16	AST18034	GPSB_NAVSOL_W27	UINT	INTEGER	Z_IDENTITY	N	N			
34	0	73	16	AST18035	GPSB_NAVSOL_W28	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	75	16	AST18036	GPSB_NAVSOL_W29	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	77	16	AST18037	GPSB_NAVSOL_W30	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	79	16	AST18038	GPSB_NAVSOL_W31	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	81	16	AST18039	GPSB_NAVSOL_W32	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	83	16	AST18040	GPSB_NAVSOL_W33	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	85	16	AST18041	GPSB_NAVSOL_W34	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	87	16	AST18042	GPSB_NAVSOL_W35	UINT	INTEGER	Z_IDENTITY	N	N			
42	0	89	16	AST18043	GPSB_NAVSOL_W36	UINT	INTEGER	Z_IDENTITY	N	N			
43	0	91	16	AST18044	GPSB_NAVSOL_W37	UINT	INTEGER	Z_IDENTITY	N	N			
44	0	93	16	AST18045	GPSB_NAVSOL_W38	UINT	INTEGER	Z_IDENTITY	N	N			
45	0	95	16	AST18046	GPSB_NAVSOL_W39	UINT	INTEGER	Z_IDENTITY	N	N			
46	0	97	16	AST18047	GPSB_NAVSOL_W40	UINT	INTEGER	Z_IDENTITY	N	N			
47	0	99	16	AST18048	GPSB_NAVSOL_W41	UINT	INTEGER	Z_IDENTITY	N	N			
48	0	101	16	AST18049	GPSB_NAVSOL_W42	UINT	INTEGER	Z_IDENTITY	N	N			
49	0	103	16	AST18050	GPSB_NAVSOL_W43	UINT	INTEGER	Z_IDENTITY	N	N			
50	0	105	16	AST18051	GPSB_NAVSOL_W44	UINT	INTEGER	Z_IDENTITY	N	N			
51	0	107	16	AST18052	GPSB_NAVSOL_W45	UINT	INTEGER	Z_IDENTITY	N	N			
52	0	109	16	AST18053	GPSB_NAVSOL_W46	UINT	INTEGER	Z_IDENTITY	N	N			
53	0	111	16	AST18054	GPSB_NAVSOL_W47	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**  
AST18004 GPSB\_NAVSOL\_ACQ

From	To	Text
0		NOT_ACQUIRED
1		ACQ_FAILED
2		ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**  
AST18005 GPSB\_NAVSOL\_VAL

From	To	Text
0		INVALID
1		VALID



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
Page: 1 of 1

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32109	GPSRB Time Correlation (GPSR-SID=214)		3,25	11	6	182	Y	59	FIXED	AST00032		109	10000	Y	32109	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N				
2	0	1	32	AST18057	GPSB_TCORR_ACQ	UINT	STRING	ASKT0101TM	N				
3	0	5	32	AST18058	GPSB_TCORR_VAL	UINT	STRING	ASKT0102TM	N				
4	0	9	32	AST18100	GPSB_TC_TS_COAR	UINT	INTEGER	Z_IDENTITY	N				
5	0	13	32	ASTK8101	GPSB_TC_TS_FINE				N				
		0	24	ASTT8102	GPSB_TC_TSF_SSEC	UINT	INTEGER	Z_IDENTITY					
		27	1	ASTT8103	GPSB_TC_TSF_TYPE	UINT	INTEGER	Z_IDENTITY					
		28	1	ASTT8104	GPSB_TC_TSF_SSRC	UINT	INTEGER	Z_IDENTITY					
		29	1	ASTT8105	GPSB_TC_TSF_SMET	UINT	INTEGER	Z_IDENTITY					
		30	1	ASTT8106	GPSB_TC_TSF_SSTS	UINT	INTEGER	Z_IDENTITY					
		31	1	ASTT8107	GPSB_TC_TSF_SYNC	UINT	INTEGER	Z_IDENTITY					
6	0	17	16	AST18060	GPSB_TCORR_W00	UINT	INTEGER	Z_IDENTITY	N			N	
7	0	19	16	AST18061	GPSB_TCORR_W01	UINT	INTEGER	Z_IDENTITY	N			N	
8	0	21	16	AST18062	GPSB_TCORR_W02	UINT	INTEGER	Z_IDENTITY	N			N	
9	0	23	16	AST18063	GPSB_TCORR_W03	UINT	INTEGER	Z_IDENTITY	N			N	
10	0	25	16	AST18064	GPSB_TCORR_W04	UINT	INTEGER	Z_IDENTITY	N			N	
11	0	27	16	AST18065	GPSB_TCORR_W05	UINT	INTEGER	Z_IDENTITY	N			N	
12	0	29	16	AST18066	GPSB_TCORR_W06	UINT	INTEGER	Z_IDENTITY	N			N	
13	0	31	16	AST18067	GPSB_TCORR_W07	UINT	INTEGER	Z_IDENTITY	N			N	
14	0	33	16	AST18068	GPSB_TCORR_W08	UINT	INTEGER	Z_IDENTITY	N			N	
15	0	35	16	AST18069	GPSB_TCORR_W09	UINT	INTEGER	Z_IDENTITY	N			N	
16	0	37	16	AST18070	GPSB_TCORR_W10	UINT	INTEGER	Z_IDENTITY	N			N	
17	0	39	16	AST18071	GPSB_TCORR_W11	UINT	INTEGER	Z_IDENTITY	N			N	
18	0	41	16	AST18072	GPSB_TCORR_W12	UINT	INTEGER	Z_IDENTITY	N			N	
19	0	43	16	AST18073	GPSB_TCORR_W13	UINT	INTEGER	Z_IDENTITY	N			N	



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

AST18057 GPSB\_TCORR\_ACQ

From	To	Text
0		NOT_ACQUIRED
1		ACQ_FAILED
2		ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

AST18058 GPSB\_TCORR\_VAL

From	To	Text
0		INVALID
1		VALID



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32110	IMU1234_HK		3,25	11	6	182	Y	103	FIXED	AST00032	110	10000	Y	32110	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N				
2	0	1	32	AST82157	IMU1_TEC_DAT_S	UINT	INTEGER	Z_IDENTITY	N				
3	0	5	16	AST82158	IMU1_TEC_DAT_SS	UINT	INTEGER	Z_IDENTITY	N				
4	0	7	32	AST82159	IMU1_TEC_DAT_ACQ	UINT	STRING	ASKT0101TM	N				
5	0	11	32	AST82160	IMU1_TEC_DAT_VAL	UINT	STRING	ASKT0102TM	N				
6	0	15	16	AST82153	IMU1_OPT_SRC_T	UINT	INTEGER	AJKP0080TM	N			N	
7	0	17	16	AST82154	IMU1_BOARD_T	UINT	INTEGER	AJKP0080TM	N			N	
8	0	19	16	AST82155	IMU1_T_REF_V_off	UINT	INTEGER	Z_IDENTITY	N			N	
9	0	21	16	AST82156	IMU1_T_REF_V	UINT	INTEGER	AJKP0080TM	N			N	
10	0	23	32	AST82212	IMU2_TEC_DAT_S	UINT	INTEGER	Z_IDENTITY	N			N	
11	0	27	16	AST82213	IMU2_TEC_DAT_SS	UINT	INTEGER	Z_IDENTITY	N			N	
12	0	29	32	AST82214	IMU2_TEC_DAT_ACQ	UINT	STRING	ASKT0101TM	N			N	
13	0	33	32	AST82215	IMU2_TEC_DAT_VAL	UINT	STRING	ASKT0102TM	N			N	
14	0	37	16	AST82208	IMU2_OPT_SRC_T	UINT	INTEGER	AJKP0080TM	N			N	
15	0	39	16	AST82209	IMU2_BOARD_T	UINT	INTEGER	AJKP0080TM	N			N	
16	0	41	16	AST82210	IMU2_T_REF_V_off	UINT	INTEGER	Z_IDENTITY	N			N	
17	0	43	16	AST82211	IMU2_T_REF_V	UINT	INTEGER	AJKP0080TM	N			N	
18	0	45	32	AST82267	IMU3_TEC_DAT_S	UINT	INTEGER	Z_IDENTITY	N			N	
19	0	49	16	AST82268	IMU3_TEC_DAT_SS	UINT	INTEGER	Z_IDENTITY	N			N	
20	0	51	32	AST82269	IMU3_TEC_DAT_ACQ	UINT	STRING	ASKT0101TM	N			N	
21	0	55	32	AST82270	IMU3_TEC_DAT_VAL	UINT	STRING	ASKT0102TM	N			N	
22	0	59	16	AST82263	IMU3_OPT_SRC_T	UINT	INTEGER	AJKP0080TM	N			N	
23	0	61	16	AST82264	IMU3_BOARD_T	UINT	INTEGER	AJKP0080TM	N			N	
24	0	63	16	AST82265	IMU3_T_REF_V_off	UINT	INTEGER	Z_IDENTITY	N			N	
25	0	65	16	AST82266	IMU3_T_REF_V	UINT	INTEGER	AJKP0080TM	N			N	
26	0	67	32	AST82322	IMU4_TEC_DAT_S	UINT	INTEGER	Z_IDENTITY	N			N	
27	0	71	16	AST82323	IMU4_TEC_DAT_SS	UINT	INTEGER	Z_IDENTITY	N			N	
28	0	73	32	AST82324	IMU4_TEC_DAT_ACQ	UINT	STRING	ASKT0101TM	N			N	
29	0	77	32	AST82325	IMU4_TEC_DAT_VAL	UINT	STRING	ASKT0102TM	N			N	



# Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
 Page: 2 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32110	IMU1234_HK		3,25	11	6	182	Y	103	FIXED	AST00032		110	10000	Y	32110	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	81	16	AST82318	IMU4_OPT_SRC_T	UINT	INTEGER	AJKP0080TM	N	N			
31	0	83	16	AST82319	IMU4_BOARD_T	UINT	INTEGER	AJKP0080TM	N	N			
32	0	85	16	AST82320	IMU4_T_REF_V_off	UINT	INTEGER	Z_IDENTITY	N	N			
33	0	87	16	AST82321	IMU4_T_REF_V	UINT	INTEGER	AJKP0080TM	N	N			





**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** AJKP0080TM **Descr:** Temp\_voltage

**Unit:** V

**X**

**Y**

**Referenced by:**

AST82153 IMU1\_OPT\_SRC\_T  
AST82154 IMU1\_BOARD\_T  
AST82156 IMU1\_T\_REF\_V  
AST82208 IMU2\_OPT\_SRC\_T  
AST82209 IMU2\_BOARD\_T  
AST82211 IMU2\_T\_REF\_V  
AST82263 IMU3\_OPT\_SRC\_T  
AST82264 IMU3\_BOARD\_T  
AST82266 IMU3\_T\_REF\_V  
AST82318 IMU4\_OPT\_SRC\_T  
AST82319 IMU4\_BOARD\_T  
AST82321 IMU4\_T\_REF\_V

**Modelname:** GENERIC

0 0  
4095 2.94021



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

From	To	Text
------	----	------

AST82159	IMU1_TEC_DAT_ACQ
AST82214	IMU2_TEC_DAT_ACQ
AST82269	IMU3_TEC_DAT_ACQ
AST82324	IMU4_TEC_DAT_ACQ

0	NOT_ACQUIRED
1	ACQ_FAILED
2	ACQUIRED

---

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

From	To	Text
------	----	------

AST82160	IMU1_TEC_DAT_VAL
AST82215	IMU2_TEC_DAT_VAL
AST82270	IMU3_TEC_DAT_VAL
AST82325	IMU4_TEC_DAT_VAL

0	INVALID
1	VALID

---



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32111	IMU1234 Datasample1		3,25	11	6	182	Y	143	FIXED	AST00032	111	10000	Y	32111	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	32	ASTA7011	IMU1S1_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
3	0	5	32	ASTA7012	IMU1S1_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
4	0	9	32	ASTA7009	IMU1S1_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
5	0	13	16	ASTA7010	IMU1S1_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
6	0	15	32	ASTA7002	IMU1S1_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
7	0	19	16	ASTA7003	IMU1S1_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
8	0	21	16	ASTA7004	IMU1S1_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
9	0	23	16	ASTA7005	IMU1S1_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
10	0	25	32	ASTA7006	IMU1S1_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
11	0	29	32	ASTA7007	IMU1S1_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
12	0	33	32	ASTB7131	IMU2S1_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
13	0	37	32	ASTB7132	IMU2S1_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
14	0	41	32	ASTB7129	IMU2S1_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
15	0	45	16	ASTB7130	IMU2S1_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
16	0	47	32	ASTB7122	IMU2S1_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
17	0	51	16	ASTB7123	IMU2S1_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
18	0	53	16	ASTB7124	IMU2S1_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
19	0	55	16	ASTB7125	IMU2S1_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
20	0	57	32	ASTB7126	IMU2S1_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
21	0	61	32	ASTB7127	IMU2S1_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
22	0	65	32	ASTC7251	IMU3S1_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
23	0	69	32	ASTC7252	IMU3S1_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
24	0	73	32	ASTC7249	IMU3S1_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
25	0	77	16	ASTC7250	IMU3S1_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	79	32	ASTC7242	IMU3S1_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	83	16	ASTC7243	IMU3S1_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	85	16	ASTC7244	IMU3S1_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	87	16	ASTC7245	IMU3S1_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32111	IMU1234 Datasample1		3,25	11	6	182	Y	143	FIXED	AST00032	111	10000	Y	32111	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	89	32	ASTC7246	IMU3S1_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	93	32	ASTC7247	IMU3S1_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	97	32	ASTD7371	IMU4S1_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
33	0	101	32	ASTD7372	IMU4S1_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
34	0	105	32	ASTD7369	IMU4S1_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	109	16	ASTD7370	IMU4S1_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	111	32	ASTD7362	IMU4S1_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	115	16	ASTD7363	IMU4S1_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	117	16	ASTD7364	IMU4S1_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	119	16	ASTD7365	IMU4S1_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	121	32	ASTD7366	IMU4S1_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	125	32	ASTD7367	IMU4S1_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

From	To	Text
------	----	------

ASTA7011	IMU1S1_ACQ_FLAG
ASTB7131	IMU2S1_ACQ_FLAG
ASTC7251	IMU3S1_ACQ_FLAG
ASTD7371	IMU4S1_ACQ_FLAG

0	NOT_ACQUIRED
1	ACQ_FAILED
2	ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

From	To	Text
------	----	------

ASTA7012	IMU1S1_VALID_FLG
ASTB7132	IMU2S1_VALID_FLG
ASTC7252	IMU3S1_VALID_FLG
ASTD7372	IMU4S1_VALID_FLG

0	INVALID
1	VALID



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
 Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32112	IMU1234 Datasample2		3,25	11	6	182	Y	143	FIXED	AST00032	112	10000	Y	32112	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	32	ASTA7023	IMU1S2_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
3	0	5	32	ASTA7024	IMU1S2_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
4	0	9	32	ASTA7021	IMU1S2_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
5	0	13	16	ASTA7022	IMU1S2_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
6	0	15	32	ASTA7014	IMU1S2_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
7	0	19	16	ASTA7015	IMU1S2_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
8	0	21	16	ASTA7016	IMU1S2_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
9	0	23	16	ASTA7017	IMU1S2_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
10	0	25	32	ASTA7018	IMU1S2_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
11	0	29	32	ASTA7019	IMU1S2_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
12	0	33	32	ASTB7143	IMU2S2_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
13	0	37	32	ASTB7144	IMU2S2_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
14	0	41	32	ASTB7141	IMU2S2_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
15	0	45	16	ASTB7142	IMU2S2_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
16	0	47	32	ASTB7134	IMU2S2_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
17	0	51	16	ASTB7135	IMU2S2_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
18	0	53	16	ASTB7136	IMU2S2_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
19	0	55	16	ASTB7137	IMU2S2_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
20	0	57	32	ASTB7138	IMU2S2_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
21	0	61	32	ASTB7139	IMU2S2_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
22	0	65	32	ASTC7263	IMU3S2_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
23	0	69	32	ASTC7264	IMU3S2_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
24	0	73	32	ASTC7261	IMU3S2_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
25	0	77	16	ASTC7262	IMU3S2_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	79	32	ASTC7254	IMU3S2_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	83	16	ASTC7255	IMU3S2_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	85	16	ASTC7256	IMU3S2_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	87	16	ASTC7257	IMU3S2_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			



# Sentinel-2

## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32112	IMU1234 Datasample2		3,25	11	6	182	Y	143	FIXED	AST00032	112	10000	Y	32112	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	89	32	ASTC7258	IMU3S2_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	93	32	ASTC7259	IMU3S2_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	97	32	ASTD7383	IMU4S2_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
33	0	101	32	ASTD7384	IMU4S2_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
34	0	105	32	ASTD7381	IMU4S2_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	109	16	ASTD7382	IMU4S2_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	111	32	ASTD7374	IMU4S2_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	115	16	ASTD7375	IMU4S2_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	117	16	ASTD7376	IMU4S2_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	119	16	ASTD7377	IMU4S2_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	121	32	ASTD7378	IMU4S2_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	125	32	ASTD7379	IMU4S2_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

From	To	Text
------	----	------

ASTA7023	IMU1S2_ACQ_FLAG
ASTB7143	IMU2S2_ACQ_FLAG
ASTC7263	IMU3S2_ACQ_FLAG
ASTD7383	IMU4S2_ACQ_FLAG

0	NOT_ACQUIRED
1	ACQ_FAILED
2	ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

From	To	Text
------	----	------

ASTA7024	IMU1S2_VALID_FLG
ASTB7144	IMU2S2_VALID_FLG
ASTC7264	IMU3S2_VALID_FLG
ASTD7384	IMU4S2_VALID_FLG

0	INVALID
1	VALID





## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32113	IMU1234 Datasample3		3,25	11	6	182	Y	143	FIXED	AST00032	113	10000	Y	32113	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	32	ASTA7035	IMU1S3_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
3	0	5	32	ASTA7036	IMU1S3_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
4	0	9	32	ASTA7033	IMU1S3_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
5	0	13	16	ASTA7034	IMU1S3_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
6	0	15	32	ASTA7026	IMU1S3_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
7	0	19	16	ASTA7027	IMU1S3_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
8	0	21	16	ASTA7028	IMU1S3_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
9	0	23	16	ASTA7029	IMU1S3_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
10	0	25	32	ASTA7030	IMU1S3_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
11	0	29	32	ASTA7031	IMU1S3_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
12	0	33	32	ASTB7155	IMU2S3_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
13	0	37	32	ASTB7156	IMU2S3_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
14	0	41	32	ASTB7153	IMU2S3_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
15	0	45	16	ASTB7154	IMU2S3_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
16	0	47	32	ASTB7146	IMU2S3_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
17	0	51	16	ASTB7147	IMU2S3_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
18	0	53	16	ASTB7148	IMU2S3_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
19	0	55	16	ASTB7149	IMU2S3_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
20	0	57	32	ASTB7150	IMU2S3_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
21	0	61	32	ASTB7151	IMU2S3_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
22	0	65	32	ASTC7275	IMU3S3_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
23	0	69	32	ASTC7276	IMU3S3_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
24	0	73	32	ASTC7273	IMU3S3_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
25	0	77	16	ASTC7274	IMU3S3_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	79	32	ASTC7266	IMU3S3_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	83	16	ASTC7267	IMU3S3_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	85	16	ASTC7268	IMU3S3_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	87	16	ASTC7269	IMU3S3_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32113	IMU1234 Datasample3		3,25	11	6	182	Y	143	FIXED	AST00032	113	10000	Y	32113	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	89	32	ASTC7270	IMU3S3_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	93	32	ASTC7271	IMU3S3_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	97	32	ASTD7395	IMU4S3_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
33	0	101	32	ASTD7396	IMU4S3_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
34	0	105	32	ASTD7393	IMU4S3_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	109	16	ASTD7394	IMU4S3_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	111	32	ASTD7386	IMU4S3_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	115	16	ASTD7387	IMU4S3_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	117	16	ASTD7388	IMU4S3_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	119	16	ASTD7389	IMU4S3_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	121	32	ASTD7390	IMU4S3_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	125	32	ASTD7391	IMU4S3_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

From	To	Text
------	----	------

ASTA7035	IMU1S3_ACQ_FLAG
ASTB7155	IMU2S3_ACQ_FLAG
ASTC7275	IMU3S3_ACQ_FLAG
ASTD7395	IMU4S3_ACQ_FLAG

0	NOT_ACQUIRED
1	ACQ_FAILED
2	ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

From	To	Text
------	----	------

ASTA7036	IMU1S3_VALID_FLG
ASTB7156	IMU2S3_VALID_FLG
ASTC7276	IMU3S3_VALID_FLG
ASTD7396	IMU4S3_VALID_FLG

0	INVALID
1	VALID



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32114	IMU1234 Datasample4		3,25	11	6	182	Y	143	FIXED	AST00032	114	10000	Y	32114	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	32	ASTA7047	IMU1S4_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
3	0	5	32	ASTA7048	IMU1S4_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
4	0	9	32	ASTA7045	IMU1S4_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
5	0	13	16	ASTA7046	IMU1S4_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
6	0	15	32	ASTA7038	IMU1S4_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
7	0	19	16	ASTA7039	IMU1S4_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
8	0	21	16	ASTA7040	IMU1S4_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
9	0	23	16	ASTA7041	IMU1S4_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
10	0	25	32	ASTA7042	IMU1S4_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
11	0	29	32	ASTA7043	IMU1S4_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
12	0	33	32	ASTB7167	IMU2S4_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
13	0	37	32	ASTB7168	IMU2S4_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
14	0	41	32	ASTB7165	IMU2S4_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
15	0	45	16	ASTB7166	IMU2S4_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
16	0	47	32	ASTB7158	IMU2S4_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
17	0	51	16	ASTB7159	IMU2S4_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
18	0	53	16	ASTB7160	IMU2S4_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
19	0	55	16	ASTB7161	IMU2S4_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
20	0	57	32	ASTB7162	IMU2S4_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
21	0	61	32	ASTB7163	IMU2S4_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
22	0	65	32	ASTC7287	IMU3S4_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
23	0	69	32	ASTC7288	IMU3S4_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
24	0	73	32	ASTC7285	IMU3S4_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
25	0	77	16	ASTC7286	IMU3S4_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	79	32	ASTC7278	IMU3S4_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	83	16	ASTC7279	IMU3S4_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	85	16	ASTC7280	IMU3S4_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	87	16	ASTC7281	IMU3S4_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32114	IMU1234 Datasample4		3,25	11	6	182	Y	143	FIXED	AST00032	114	10000	Y	32114	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	89	32	ASTC7282	IMU3S4_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	93	32	ASTC7283	IMU3S4_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	97	32	ASTD7407	IMU4S4_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
33	0	101	32	ASTD7408	IMU4S4_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
34	0	105	32	ASTD7405	IMU4S4_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	109	16	ASTD7406	IMU4S4_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	111	32	ASTD7398	IMU4S4_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	115	16	ASTD7399	IMU4S4_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	117	16	ASTD7400	IMU4S4_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	119	16	ASTD7401	IMU4S4_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	121	32	ASTD7402	IMU4S4_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	125	32	ASTD7403	IMU4S4_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

From	To	Text
------	----	------

ASTA7047	IMU1S4_ACQ_FLAG
ASTB7167	IMU2S4_ACQ_FLAG
ASTC7287	IMU3S4_ACQ_FLAG
ASTD7407	IMU4S4_ACQ_FLAG

0	NOT_ACQUIRED
1	ACQ_FAILED
2	ACQUIRED

---

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

From	To	Text
------	----	------

ASTA7048	IMU1S4_VALID_FLG
ASTB7168	IMU2S4_VALID_FLG
ASTC7288	IMU3S4_VALID_FLG
ASTD7408	IMU4S4_VALID_FLG

0	INVALID
1	VALID

---



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32115	IMU1234 Datasample5		3,25	11	6	182	Y	143	FIXED	AST00032	115	10000	Y	32115	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	32	ASTA7059	IMU1S5_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
3	0	5	32	ASTA7060	IMU1S5_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
4	0	9	32	ASTA7057	IMU1S5_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
5	0	13	16	ASTA7058	IMU1S5_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
6	0	15	32	ASTA7050	IMU1S5_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
7	0	19	16	ASTA7051	IMU1S5_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
8	0	21	16	ASTA7052	IMU1S5_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
9	0	23	16	ASTA7053	IMU1S5_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
10	0	25	32	ASTA7054	IMU1S5_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
11	0	29	32	ASTA7055	IMU1S5_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
12	0	33	32	ASTB7179	IMU2S5_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
13	0	37	32	ASTB7180	IMU2S5_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
14	0	41	32	ASTB7177	IMU2S5_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
15	0	45	16	ASTB7178	IMU2S5_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
16	0	47	32	ASTB7170	IMU2S5_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
17	0	51	16	ASTB7171	IMU2S5_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
18	0	53	16	ASTB7172	IMU2S5_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
19	0	55	16	ASTB7173	IMU2S5_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
20	0	57	32	ASTB7174	IMU2S5_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
21	0	61	32	ASTB7175	IMU2S5_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
22	0	65	32	ASTC7299	IMU3S5_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
23	0	69	32	ASTC7300	IMU3S5_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
24	0	73	32	ASTC7297	IMU3S5_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
25	0	77	16	ASTC7298	IMU3S5_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	79	32	ASTC7290	IMU3S5_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	83	16	ASTC7291	IMU3S5_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	85	16	ASTC7292	IMU3S5_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	87	16	ASTC7293	IMU3S5_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32115	IMU1234 Datasample5		3,25	11	6	182	Y	143	FIXED	AST00032	115	10000	Y	32115	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	89	32	ASTC7294	IMU3S5_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	93	32	ASTC7295	IMU3S5_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	97	32	ASTD7419	IMU4S5_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
33	0	101	32	ASTD7420	IMU4S5_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
34	0	105	32	ASTD7417	IMU4S5_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	109	16	ASTD7418	IMU4S5_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	111	32	ASTD7410	IMU4S5_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	115	16	ASTD7411	IMU4S5_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	117	16	ASTD7412	IMU4S5_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	119	16	ASTD7413	IMU4S5_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	121	32	ASTD7414	IMU4S5_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	125	32	ASTD7415	IMU4S5_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

From	To	Text
------	----	------

ASTA7059	IMU1S5_ACQ_FLAG
ASTB7179	IMU2S5_ACQ_FLAG
ASTC7299	IMU3S5_ACQ_FLAG
ASTD7419	IMU4S5_ACQ_FLAG

0	NOT_ACQUIRED
1	ACQ_FAILED
2	ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

From	To	Text
------	----	------

ASTA7060	IMU1S5_VALID_FLG
ASTB7180	IMU2S5_VALID_FLG
ASTC7300	IMU3S5_VALID_FLG
ASTD7420	IMU4S5_VALID_FLG

0	INVALID
1	VALID



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32116	IMU1234 Datasample6		3,25	11	6	182	Y	143	FIXED	AST00032	116	10000	Y	32116	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	32	ASTA7071	IMU1S6_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
3	0	5	32	ASTA7072	IMU1S6_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
4	0	9	32	ASTA7069	IMU1S6_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
5	0	13	16	ASTA7070	IMU1S6_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
6	0	15	32	ASTA7062	IMU1S6_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
7	0	19	16	ASTA7063	IMU1S6_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
8	0	21	16	ASTA7064	IMU1S6_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
9	0	23	16	ASTA7065	IMU1S6_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
10	0	25	32	ASTA7066	IMU1S6_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
11	0	29	32	ASTA7067	IMU1S6_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
12	0	33	32	ASTB7191	IMU2S6_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
13	0	37	32	ASTB7192	IMU2S6_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
14	0	41	32	ASTB7189	IMU2S6_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
15	0	45	16	ASTB7190	IMU2S6_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
16	0	47	32	ASTB7182	IMU2S6_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
17	0	51	16	ASTB7183	IMU2S6_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
18	0	53	16	ASTB7184	IMU2S6_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
19	0	55	16	ASTB7185	IMU2S6_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
20	0	57	32	ASTB7186	IMU2S6_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
21	0	61	32	ASTB7187	IMU2S6_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
22	0	65	32	ASTC7311	IMU3S6_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
23	0	69	32	ASTC7312	IMU3S6_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
24	0	73	32	ASTC7309	IMU3S6_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
25	0	77	16	ASTC7310	IMU3S6_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	79	32	ASTC7302	IMU3S6_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	83	16	ASTC7303	IMU3S6_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	85	16	ASTC7304	IMU3S6_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	87	16	ASTC7305	IMU3S6_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			



# Sentinel-2

## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32116	IMU1234 Datasample6		3,25	11	6	182	Y	143	FIXED	AST00032	116	10000	Y	32116	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	89	32	ASTC7306	IMU3S6_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	93	32	ASTC7307	IMU3S6_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	97	32	ASTD7431	IMU4S6_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
33	0	101	32	ASTD7432	IMU4S6_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
34	0	105	32	ASTD7429	IMU4S6_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	109	16	ASTD7430	IMU4S6_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	111	32	ASTD7422	IMU4S6_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	115	16	ASTD7423	IMU4S6_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	117	16	ASTD7424	IMU4S6_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	119	16	ASTD7425	IMU4S6_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	121	32	ASTD7426	IMU4S6_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	125	32	ASTD7427	IMU4S6_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

From	To	Text
------	----	------

ASTA7071	IMU1S6_ACQ_FLAG
ASTB7191	IMU2S6_ACQ_FLAG
ASTC7311	IMU3S6_ACQ_FLAG
ASTD7431	IMU4S6_ACQ_FLAG

0	NOT_ACQUIRED
1	ACQ_FAILED
2	ACQUIRED

---

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

From	To	Text
------	----	------

ASTA7072	IMU1S6_VALID_FLG
ASTB7192	IMU2S6_VALID_FLG
ASTC7312	IMU3S6_VALID_FLG
ASTD7432	IMU4S6_VALID_FLG

0	INVALID
1	VALID

---



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32117	IMU1234 Datasample7		3,25	11	6	182	Y	143	FIXED	AST00032	117	10000	Y	32117	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	32	ASTA7083	IMU1S7_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
3	0	5	32	ASTA7084	IMU1S7_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
4	0	9	32	ASTA7081	IMU1S7_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
5	0	13	16	ASTA7082	IMU1S7_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
6	0	15	32	ASTA7074	IMU1S7_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
7	0	19	16	ASTA7075	IMU1S7_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
8	0	21	16	ASTA7076	IMU1S7_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
9	0	23	16	ASTA7077	IMU1S7_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
10	0	25	32	ASTA7078	IMU1S7_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
11	0	29	32	ASTA7079	IMU1S7_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
12	0	33	32	ASTB7203	IMU2S7_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
13	0	37	32	ASTB7204	IMU2S7_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
14	0	41	32	ASTB7201	IMU2S7_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
15	0	45	16	ASTB7202	IMU2S7_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
16	0	47	32	ASTB7194	IMU2S7_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
17	0	51	16	ASTB7195	IMU2S7_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
18	0	53	16	ASTB7196	IMU2S7_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
19	0	55	16	ASTB7197	IMU2S7_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
20	0	57	32	ASTB7198	IMU2S7_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
21	0	61	32	ASTB7199	IMU2S7_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
22	0	65	32	ASTC7323	IMU3S7_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
23	0	69	32	ASTC7324	IMU3S7_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
24	0	73	32	ASTC7321	IMU3S7_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
25	0	77	16	ASTC7322	IMU3S7_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	79	32	ASTC7314	IMU3S7_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	83	16	ASTC7315	IMU3S7_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	85	16	ASTC7316	IMU3S7_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	87	16	ASTC7317	IMU3S7_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			



# Sentinel-2

## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32117	IMU1234 Datasample7		3,25	11	6	182	Y	143	FIXED	AST00032	117	10000	Y	32117	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	89	32	ASTC7318	IMU3S7_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	93	32	ASTC7319	IMU3S7_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	97	32	ASTD7443	IMU4S7_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
33	0	101	32	ASTD7444	IMU4S7_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
34	0	105	32	ASTD7441	IMU4S7_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	109	16	ASTD7442	IMU4S7_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	111	32	ASTD7434	IMU4S7_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	115	16	ASTD7435	IMU4S7_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	117	16	ASTD7436	IMU4S7_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	119	16	ASTD7437	IMU4S7_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	121	32	ASTD7438	IMU4S7_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	125	32	ASTD7439	IMU4S7_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

From	To	Text
------	----	------

ASTA7083	IMU1S7_ACQ_FLAG
ASTB7203	IMU2S7_ACQ_FLAG
ASTC7323	IMU3S7_ACQ_FLAG
ASTD7443	IMU4S7_ACQ_FLAG

0	NOT_ACQUIRED
1	ACQ_FAILED
2	ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

From	To	Text
------	----	------

ASTA7084	IMU1S7_VALID_FLG
ASTB7204	IMU2S7_VALID_FLG
ASTC7324	IMU3S7_VALID_FLG
ASTD7444	IMU4S7_VALID_FLG

0	INVALID
1	VALID



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32118	IMU1234 Datasample8		3,25	11	6	182	Y	143	FIXED	AST00032	118	10000	Y	32118	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	32	ASTA7095	IMU1S8_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
3	0	5	32	ASTA7096	IMU1S8_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
4	0	9	32	ASTA7093	IMU1S8_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
5	0	13	16	ASTA7094	IMU1S8_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
6	0	15	32	ASTA7086	IMU1S8_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
7	0	19	16	ASTA7087	IMU1S8_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
8	0	21	16	ASTA7088	IMU1S8_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
9	0	23	16	ASTA7089	IMU1S8_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
10	0	25	32	ASTA7090	IMU1S8_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
11	0	29	32	ASTA7091	IMU1S8_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
12	0	33	32	ASTB7215	IMU2S8_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
13	0	37	32	ASTB7216	IMU2S8_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
14	0	41	32	ASTB7213	IMU2S8_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
15	0	45	16	ASTB7214	IMU2S8_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
16	0	47	32	ASTB7206	IMU2S8_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
17	0	51	16	ASTB7207	IMU2S8_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
18	0	53	16	ASTB7208	IMU2S8_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
19	0	55	16	ASTB7209	IMU2S8_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
20	0	57	32	ASTB7210	IMU2S8_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
21	0	61	32	ASTB7211	IMU2S8_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
22	0	65	32	ASTC7335	IMU3S8_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
23	0	69	32	ASTC7336	IMU3S8_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
24	0	73	32	ASTC7333	IMU3S8_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
25	0	77	16	ASTC7334	IMU3S8_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	79	32	ASTC7326	IMU3S8_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	83	16	ASTC7327	IMU3S8_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	85	16	ASTC7328	IMU3S8_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	87	16	ASTC7329	IMU3S8_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			





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## SRDB Database Extract

TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32118	IMU1234 Datasample8		3,25	11	6	182	Y	143	FIXED	AST00032	118	10000	Y	32118	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	89	32	ASTC7330	IMU3S8_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	93	32	ASTC7331	IMU3S8_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	97	32	ASTD7455	IMU4S8_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
33	0	101	32	ASTD7456	IMU4S8_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
34	0	105	32	ASTD7453	IMU4S8_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	109	16	ASTD7454	IMU4S8_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	111	32	ASTD7446	IMU4S8_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	115	16	ASTD7447	IMU4S8_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	117	16	ASTD7448	IMU4S8_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	119	16	ASTD7449	IMU4S8_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	121	32	ASTD7450	IMU4S8_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	125	32	ASTD7451	IMU4S8_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

From	To	Text
------	----	------

ASTA7095	IMU1S8_ACQ_FLAG
ASTB7215	IMU2S8_ACQ_FLAG
ASTC7335	IMU3S8_ACQ_FLAG
ASTD7455	IMU4S8_ACQ_FLAG

0	NOT_ACQUIRED
1	ACQ_FAILED
2	ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

From	To	Text
------	----	------

ASTA7096	IMU1S8_VALID_FLG
ASTB7216	IMU2S8_VALID_FLG
ASTC7336	IMU3S8_VALID_FLG
ASTD7456	IMU4S8_VALID_FLG

0	INVALID
1	VALID



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
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Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32119	IMU1234 Datasample9		3,25	11	6	182	Y	143	FIXED	AST00032	119	10000	Y	32119	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	32	ASTA7107	IMU1S9_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
3	0	5	32	ASTA7108	IMU1S9_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
4	0	9	32	ASTA7105	IMU1S9_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
5	0	13	16	ASTA7106	IMU1S9_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
6	0	15	32	ASTA7098	IMU1S9_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
7	0	19	16	ASTA7099	IMU1S9_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
8	0	21	16	ASTA7100	IMU1S9_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
9	0	23	16	ASTA7101	IMU1S9_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
10	0	25	32	ASTA7102	IMU1S9_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
11	0	29	32	ASTA7103	IMU1S9_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
12	0	33	32	ASTB7227	IMU2S9_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
13	0	37	32	ASTB7228	IMU2S9_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
14	0	41	32	ASTB7225	IMU2S9_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
15	0	45	16	ASTB7226	IMU2S9_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
16	0	47	32	ASTB7218	IMU2S9_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
17	0	51	16	ASTB7219	IMU2S9_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
18	0	53	16	ASTB7220	IMU2S9_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
19	0	55	16	ASTB7221	IMU2S9_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
20	0	57	32	ASTB7222	IMU2S9_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
21	0	61	32	ASTB7223	IMU2S9_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
22	0	65	32	ASTC7347	IMU3S9_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
23	0	69	32	ASTC7348	IMU3S9_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
24	0	73	32	ASTC7345	IMU3S9_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
25	0	77	16	ASTC7346	IMU3S9_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	79	32	ASTC7338	IMU3S9_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	83	16	ASTC7339	IMU3S9_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	85	16	ASTC7340	IMU3S9_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	87	16	ASTC7341	IMU3S9_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32119	IMU1234 Datasample9		3,25	11	6	182	Y	143	FIXED	AST00032	119	10000	Y	32119	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	89	32	ASTC7342	IMU3S9_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	93	32	ASTC7343	IMU3S9_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	97	32	ASTD7467	IMU4S9_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
33	0	101	32	ASTD7468	IMU4S9_VALID_FLG	UINT	STRING	ASKT0102TM	N	N			
34	0	105	32	ASTD7465	IMU4S9_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	109	16	ASTD7466	IMU4S9_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	111	32	ASTD7458	IMU4S9_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	115	16	ASTD7459	IMU4S9_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	117	16	ASTD7460	IMU4S9_ORGA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	119	16	ASTD7461	IMU4S9_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	121	32	ASTD7462	IMU4S9_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	125	32	ASTD7463	IMU4S9_RAW_ANGLE	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Page: 1 of 1

**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

From	To	Text
------	----	------

ASTA7107	IMU1S9_ACQ_FLAG
ASTB7227	IMU2S9_ACQ_FLAG
ASTC7347	IMU3S9_ACQ_FLAG
ASTD7467	IMU4S9_ACQ_FLAG

0	NOT_ACQUIRED
1	ACQ_FAILED
2	ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

From	To	Text
------	----	------

ASTA7108	IMU1S9_VALID_FLG
ASTB7228	IMU2S9_VALID_FLG
ASTC7348	IMU3S9_VALID_FLG
ASTD7468	IMU4S9_VALID_FLG

0	INVALID
1	VALID



## Sentinel-2 SRDB Database Extract

TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32120	IMU1234 Datasample10		3,25	11	6	182	Y	143	FIXED	AST00032	120	10000	Y	32120	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	32	ASTA7119	IMU1S10_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
3	0	5	32	ASTA7120	IMU1S10_VLID_FLG	UINT	STRING	ASKT0102TM	N	N			
4	0	9	32	ASTA7117	IMU1S10_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
5	0	13	16	ASTA7118	IMU1S10_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
6	0	15	32	ASTA7110	IMU1S10_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
7	0	19	16	ASTA7111	IMU1S10_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
8	0	21	16	ASTA7112	IMU1S10_ORG_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
9	0	23	16	ASTA7113	IMU1S10_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
10	0	25	32	ASTA7114	IMU1S10_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
11	0	29	32	ASTA7115	IMU1S10_RAW_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
12	0	33	32	ASTB7239	IMU2S10_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
13	0	37	32	ASTB7240	IMU2S10_VLID_FLG	UINT	STRING	ASKT0102TM	N	N			
14	0	41	32	ASTB7237	IMU2S10_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
15	0	45	16	ASTB7238	IMU2S10_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
16	0	47	32	ASTB7230	IMU2S10_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
17	0	51	16	ASTB7231	IMU2S10_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
18	0	53	16	ASTB7232	IMU2S10_ORG_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
19	0	55	16	ASTB7233	IMU2S10_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
20	0	57	32	ASTB7234	IMU2S10_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
21	0	61	32	ASTB7235	IMU2S10_RAW_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
22	0	65	32	ASTC7359	IMU3S10_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
23	0	69	32	ASTC7360	IMU3S10_VLID_FLG	UINT	STRING	ASKT0102TM	N	N			
24	0	73	32	ASTC7357	IMU3S10_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
25	0	77	16	ASTC7358	IMU3S10_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	79	32	ASTC7350	IMU3S10_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	83	16	ASTC7351	IMU3S10_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
28	0	85	16	ASTC7352	IMU3S10_ORG_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
29	0	87	16	ASTC7353	IMU3S10_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			



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TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32120	IMU1234 Datasample10		3,25	11	6	182	Y	143	FIXED	AST00032	120	10000	Y	32120	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	89	32	ASTC7354	IMU3S10_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	93	32	ASTC7355	IMU3S10_RAW_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	97	32	ASTD7479	IMU4S10_ACQ_FLAG	UINT	STRING	ASKT0101TM	N	N			
33	0	101	32	ASTD7480	IMU4S10_VLID_FLG	UINT	STRING	ASKT0102TM	N	N			
34	0	105	32	ASTD7477	IMU4S10_SEC	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	109	16	ASTD7478	IMU4S10_SUBSEC	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	111	32	ASTD7470	IMU4S10_FIL_ANG	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	115	16	ASTD7471	IMU4S10_HLTH_STS	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	117	16	ASTD7472	IMU4S10_ORG_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	119	16	ASTD7473	IMU4S10_SIA_TEMP	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	121	32	ASTD7474	IMU4S10_TIMETAG	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	125	32	ASTD7475	IMU4S10_RAW_ANG	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

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**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**

From	To	Text
------	----	------

ASTA7119	IMU1S10_ACQ_FLAG
ASTB7239	IMU2S10_ACQ_FLAG
ASTC7359	IMU3S10_ACQ_FLAG
ASTD7479	IMU4S10_ACQ_FLAG

0	NOT_ACQUIRED
1	ACQ_FAILED
2	ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**

From	To	Text
------	----	------

ASTA7120	IMU1S10_VLID_FLG
ASTB7240	IMU2S10_VLID_FLG
ASTC7360	IMU3S10_VLID_FLG
ASTD7480	IMU4S10_VLID_FLG

0	INVALID
1	VALID





## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatn	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32121	AOCS-TM1		3,25	11	6	182	Y	292	FIXED	AST00032	121	10000	Y	32121	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	8	AST0A003	STR1_OPER_STS	UINT	STRING	ASKT0103TM	N	N			
3	0	2	8	AST0B003	STR2_OPER_STS	UINT	STRING	ASKT0103TM	N	N			
4	0	3	8	AST0C003	STR3_OPER_STS	UINT	STRING	ASKT0103TM	N	N			
5	0	4	8	AST08089	GPSA_OP_STS	UINT	STRING	XXKT0019TM	N	N			
6	0	5	8	AST18089	GPSB_OP_STS	UINT	STRING	XXKT0019TM	N	N			
7	0	6	8	AJT00602	VCUA_OPER_STS	UINT	STRING	CJKT0003TM	N	N			
8	0	7	8	AJT10602	VCUB_OPER_STS	UINT	STRING	CJKT0003TM	N	N			
9	0	8	8	ASTA7483	IMU1_OP_STS	UINT	STRING	XXKT0019TM	N	N			
10	0	9	8	ASTB7489	IMU2_OP_STS	UINT	STRING	XXKT0019TM	N	N			
11	0	10	8	ASTC7495	IMU3_OP_STS	UINT	STRING	XXKT0019TM	N	N			
12	0	11	8	ASTD7501	IMU4_OP_STS	UINT	STRING	XXKT0019TM	N	N			
13	0	12	8	AST82350	AO_mode	UINT	STRING	ASKT0022TM	N	N			
14	0	13	8	AST82351	AO_subMode	UINT	INTEGER		N	N			
15	0	14	8	AST82352	AO_gselsValid	UINT	STRING	XXKT0033TM	N	N			
16	0	15	8	AST82353	AO_gseAttQualId	UINT	STRING	ASKT0021TM	N	N			
17	0	16	32	AST82354	AO_gseTimeSec1	UINT	INTEGER	Z_IDENTITY	N	N			
18	0	20	16	AST82355	AO_gseTimeSub1	UINT	INTEGER	Z_IDENTITY	N	N			
19	0	22	32	AST82356	AO_gseTimeSec2	UINT	INTEGER	Z_IDENTITY	N	N			
20	0	26	16	AST82357	AO_gseTimeSub2	UINT	INTEGER	Z_IDENTITY	N	N			
21	0	28	32	AST82358	AO_gseTimeSec3	UINT	INTEGER	Z_IDENTITY	N	N			
22	0	32	16	AST82359	AO_gseTimeSub3	UINT	INTEGER	Z_IDENTITY	N	N			
23	0	34	32	AST82360	AO_gseTimeSec4	UINT	INTEGER	Z_IDENTITY	N	N			
24	0	38	16	AST82361	AO_gseTimeSub4	UINT	INTEGER	Z_IDENTITY	N	N			
25	0	40	32	AST82362	AO_gseTimeSec5	UINT	INTEGER	Z_IDENTITY	N	N			
26	0	44	16	AST82363	AO_gseTimeSub5	UINT	INTEGER	Z_IDENTITY	N	N			
27	0	46	64	AST82364	AO_gseAttCJvec11	DOUI3	REAL	Z_IDENTITY	N	N			
28	0	54	64	AST82365	AO_gseAttCJvec12	DOUI3	REAL	Z_IDENTITY	N	N			
29	0	62	64	AST82366	AO_gseAttCJvec13	DOUI3	REAL	Z_IDENTITY	N	N			



## Sentinel-2 SRDB Database Extract

TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32121	AOCS-TM1		3,25	11	6	182	Y	292	FIXED	AST00032	121	10000	Y	32121	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	70	64	AST82367	AO_gseAttCJvec14	DOUI3	REAL	Z_IDENTITY	N	N			
31	0	78	64	AST82368	AO_gseAttCJvec15	DOUI3	REAL	Z_IDENTITY	N	N			
32	0	86	64	AST82369	AO_gseAttCJvec21	DOUI3	REAL	Z_IDENTITY	N	N			
33	0	94	64	AST82370	AO_gseAttCJvec22	DOUI3	REAL	Z_IDENTITY	N	N			
34	0	102	64	AST82371	AO_gseAttCJvec23	DOUI3	REAL	Z_IDENTITY	N	N			
35	0	110	64	AST82372	AO_gseAttCJvec24	DOUI3	REAL	Z_IDENTITY	N	N			
36	0	118	64	AST82373	AO_gseAttCJvec25	DOUI3	REAL	Z_IDENTITY	N	N			
37	0	126	64	AST82374	AO_gseAttCJvec31	DOUI3	REAL	Z_IDENTITY	N	N			
38	0	134	64	AST82375	AO_gseAttCJvec32	DOUI3	REAL	Z_IDENTITY	N	N			
39	0	142	64	AST82376	AO_gseAttCJvec33	DOUI3	REAL	Z_IDENTITY	N	N			
40	0	150	64	AST82377	AO_gseAttCJvec34	DOUI3	REAL	Z_IDENTITY	N	N			
41	0	158	64	AST82378	AO_gseAttCJvec35	DOUI3	REAL	Z_IDENTITY	N	N			
42	0	166	64	AST82379	AO_gseAttCJsca11	DOUI3	REAL	Z_IDENTITY	N	N			
43	0	174	64	AST82380	AO_gseAttCJsca12	DOUI3	REAL	Z_IDENTITY	N	N			
44	0	182	64	AST82381	AO_gseAttCJsca13	DOUI3	REAL	Z_IDENTITY	N	N			
45	0	190	64	AST82382	AO_gseAttCJsca14	DOUI3	REAL	Z_IDENTITY	N	N			
46	0	198	64	AST82383	AO_gseAttCJsca15	DOUI3	REAL	Z_IDENTITY	N	N			
47	0	206	64	AST82384	AO_gselmuRateX	DOUI3	REAL	Z_IDENTITY	N	N			
48	0	214	64	AST82385	AO_gselmuRateY	DOUI3	REAL	Z_IDENTITY	N	N			
49	0	222	64	AST82386	AO_gselmuRateZ	DOUI3	REAL	Z_IDENTITY	N	N			
50	0	230	64	AST82387	AO_gselnnovStrAX	DOUI3	REAL	Z_IDENTITY	N	N			
51	0	238	64	AST82388	AO_gselnnovStrAY	DOUI3	REAL	Z_IDENTITY	N	N			
52	0	246	64	AST82389	AO_gselnnovStrAZ	DOUI3	REAL	Z_IDENTITY	N	N			
53	0	254	64	AST82390	AO_gselnnovStrBX	DOUI3	REAL	Z_IDENTITY	N	N			
54	0	262	64	AST82391	AO_gselnnovStrBY	DOUI3	REAL	Z_IDENTITY	N	N			
55	0	270	64	AST82392	AO_gselnnovStrBZ	DOUI3	REAL	Z_IDENTITY	N	N			



## Sentinel-2 SRDB Database Extract

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**Name:** ASKT0021TM **Descr:** GSEAttQualID

**Referenced by:**  
AST82353 AO\_gseAttQualId

From	To	Text
0		SOL_INVALID
1		SOL_PROPAG
2		ONE_STRMEA_AVL
3		TWO_STRMEA_AVL

**Name:** ASKT0022TM **Descr:** AOCS\_Mode

**Referenced by:**  
AST82350 AO\_mode

From	To	Text
0		SBM
1		IAM
2		NOM
3		OCM
4		SFM

**Name:** ASKT0103TM **Descr:** OPER\_STATUS

**Referenced by:**  
AST0A003 STR1\_OPER\_STS  
AST0B003 STR2\_OPER\_STS  
AST0C003 STR3\_OPER\_STS

From	To	Text
0		NOT_USEABLE
1		USEABLE

**Name:** CJKT0003TM **Descr:** MSI\_OPER\_STATUS

**Referenced by:**  
AJT00602 VCUA\_OPER\_STS  
AJT10602 VCUB\_OPER\_STS

From	To	Text
0		NOT_USEABLE
1		USEABLE

**Name:** XXKT0019TM **Descr:** Unused\_Used

**Referenced by:**  
AST08089 GPSA\_OP\_STS  
AST18089 GPSB\_OP\_STS  
ASTA7483 IMU1\_OP\_STS  
ASTB7489 IMU2\_OP\_STS  
ASTC7495 IMU3\_OP\_STS  
ASTD7501 IMU4\_OP\_STS

From	To	Text
0		UNUSED
1		USED

**Name:** XXKT0033TM **Descr:** False\_True

**Referenced by:**  
AST82352 AO\_gselsValid

From	To	Text
0		FALSE
1		TRUE



# Sentinel-2 SRDB Database Extract

TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32122	AOCS-TM2		3,25	11	6	182	Y	101	FIXED	AST00032	122	10000	Y	32122	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N	N			
2	0	1	8	AST82393	AO_oopIsValid	UINT	STRING	XXKT0033TM	N	N			
3	0	2	8	AST82394	AO_oopQualId	UINT	STRING	ASKT0020TM	N	N			
4	0	3	64	AST82395	AO_oopPos_J_X	DOUI3	REAL	Z_IDENTITY	N	N			
5	0	11	64	AST82396	AO_oopPos_J_Y	DOUI3	REAL	Z_IDENTITY	N	N			
6	0	19	64	AST82397	AO_oopPos_J_Z	DOUI3	REAL	Z_IDENTITY	N	N			
7	0	27	64	AST82398	AO_oopVel_J_X	DOUI3	REAL	Z_IDENTITY	N	N			
8	0	35	64	AST82399	AO_oopVel_J_Y	DOUI3	REAL	Z_IDENTITY	N	N			
9	0	43	64	AST82400	AO_oopVel_J_X	DOUI3	REAL	Z_IDENTITY	N	N			
10	0	51	64	AST82401	AO_oopOrbitAng	DOUI3	REAL	Z_IDENTITY	N	N			
11	0	59	32	AST82402	AO_oopOrbitNum	UINT	INTEGER	Z_IDENTITY	N	N			
12	0	63	64	AST82403	AO_oopTimeSec	DOUI3	REAL	Z_IDS	N	N			
13	0	71	64	AST82404	AO_oopGpsrMjdTTd	DOUI3	REAL	Z_IDD	N	N			
14	0	79	64	AST82405	AO_oopGpsrMjdTTf	DOUI3	REAL	Z_IDD	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

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**Name:** ASKT0020TM **Descr:** OOPQualID

**Referenced by:**  
AST82394 AO\_oopQualId

From	To	Text
0		SOL_INVALID
1		SOL_PROPAGATED
2		CYC_POS_UPDATE

**Name:** XXKT0033TM **Descr:** False\_True

**Referenced by:**  
AST82393 AO\_ooplsValid

From	To	Text
0		FALSE
1		TRUE



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TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32124	STR1 SDB Status Data Block		3,25	11	6	182	Y	71	FIXED	AST00032	124	10000	Y	32124	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N				
2	0	1	32	AST0A476	STR1_ST_D_ACQ	UINT	STRING	ASKT0101TM	N				
3	0	5	32	AST0A477	STR1_ST_D_VAL	UINT	STRING	ASKT0102TM	N				
4	0	9	32	AST0A480	STR1_SD_TSC	UINT	INTEGER	Z_IDENTITY	N				
5	0	13	8	AST0A429	STR1_ST_D_B1	UINT	INTEGER	Z_IDENTITY	N				
6	0	14	8	AST0A430	STR1_ST_D_B2	UINT	INTEGER	Z_IDENTITY	N			N	
7	0	15	8	AST0A431	STR1_ST_D_B3	UINT	INTEGER	Z_IDENTITY	N			N	
8	0	16	8	AST0A432	STR1_ST_D_B4	UINT	INTEGER	Z_IDENTITY	N			N	
9	0	17	8	AST0A433	STR1_ST_D_B5	UINT	INTEGER	Z_IDENTITY	N			N	
10	0	18	8	AST0A434	STR1_ST_D_B6	UINT	INTEGER	Z_IDENTITY	N			N	
11	0	19	8	AST0A435	STR1_ST_D_B7	UINT	INTEGER	Z_IDENTITY	N			N	
12	0	20	8	AST0A436	STR1_ST_D_B8	UINT	INTEGER	Z_IDENTITY	N			N	
13	0	21	8	AST0A437	STR1_ST_D_B9	UINT	INTEGER	Z_IDENTITY	N			N	
14	0	22	8	AST0A438	STR1_ST_D_B10	UINT	INTEGER	Z_IDENTITY	N			N	
15	0	23	8	AST0A439	STR1_ST_D_B11	UINT	INTEGER	Z_IDENTITY	N			N	
16	0	24	8	AST0A440	STR1_ST_D_B12	UINT	INTEGER	Z_IDENTITY	N			N	
17	0	25	8	AST0A441	STR1_ST_D_B13	UINT	INTEGER	Z_IDENTITY	N			N	
18	0	26	8	AST0A442	STR1_ST_D_B14	UINT	INTEGER	Z_IDENTITY	N			N	
19	0	27	8	AST0A443	STR1_ST_D_B15	UINT	INTEGER	Z_IDENTITY	N			N	
20	0	28	8	AST0A444	STR1_ST_D_B16	UINT	INTEGER	Z_IDENTITY	N			N	
21	0	29	8	AST0A445	STR1_ST_D_B17	UINT	INTEGER	Z_IDENTITY	N			N	
22	0	30	8	AST0A446	STR1_ST_D_B18	UINT	INTEGER	Z_IDENTITY	N			N	
23	0	31	8	AST0A447	STR1_ST_D_B19	UINT	INTEGER	Z_IDENTITY	N			N	
24	0	32	8	AST0A448	STR1_ST_D_B20	UINT	INTEGER	Z_IDENTITY	N			N	
25	0	33	8	AST0A449	STR1_ST_D_B21	UINT	INTEGER	Z_IDENTITY	N			N	
26	0	34	8	AST0A450	STR1_ST_D_B22	UINT	INTEGER	Z_IDENTITY	N			N	
27	0	35	8	AST0A451	STR1_ST_D_B23	UINT	INTEGER	Z_IDENTITY	N			N	
28	0	36	8	AST0A452	STR1_ST_D_B24	UINT	INTEGER	Z_IDENTITY	N			N	
29	0	37	8	AST0A453	STR1_ST_D_B25	UINT	INTEGER	Z_IDENTITY	N			N	



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32124	STR1 SDB Status Data Block		3,25	11	6	182	Y	71	FIXED	AST00032	124	10000	Y	32124	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	38	8	AST0A454	STR1_ST_D_B26	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	39	8	AST0A455	STR1_ST_D_B27	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	40	8	AST0A456	STR1_ST_D_B28	UINT	INTEGER	Z_IDENTITY	N	N			
33	0	41	8	AST0A457	STR1_ST_D_B29	UINT	INTEGER	Z_IDENTITY	N	N			
34	0	42	8	AST0A458	STR1_ST_D_B30	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	43	8	AST0A459	STR1_ST_D_B31	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	44	8	AST0A460	STR1_ST_D_B32	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	45	8	AST0A461	STR1_ST_D_B33	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	46	8	AST0A462	STR1_ST_D_B34	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	47	8	AST0A463	STR1_ST_D_B35	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	48	8	AST0A464	STR1_ST_D_B36	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	49	8	AST0A465	STR1_ST_D_B37	UINT	INTEGER	Z_IDENTITY	N	N			
42	0	50	8	AST0A466	STR1_ST_D_B38	UINT	INTEGER	Z_IDENTITY	N	N			
43	0	51	8	AST0A467	STR1_ST_D_B39	UINT	INTEGER	Z_IDENTITY	N	N			
44	0	52	8	AST0A468	STR1_ST_D_B40	UINT	INTEGER	Z_IDENTITY	N	N			
45	0	53	8	AST0A469	STR1_ST_D_B41	UINT	INTEGER	Z_IDENTITY	N	N			
46	0	54	8	AST0A470	STR1_ST_D_B42	UINT	INTEGER	Z_IDENTITY	N	N			
47	0	55	8	AST0A471	STR1_ST_D_B43	UINT	INTEGER	Z_IDENTITY	N	N			
48	0	56	8	AST0A472	STR1_ST_D_B44	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
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**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**  
AST0A476 STR1\_ST\_D\_ACQ

From	To	Text
0		NOT_ACQUIRED
1		ACQ_FAILED
2		ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**  
AST0A477 STR1\_ST\_D\_VAL

From	To	Text
0		INVALID
1		VALID





## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32125	STR2 SDB Status Data Block		3,25	11	6	182	Y	71	FIXED	AST00032	125	10000	Y	32125	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N				
2	0	1	32	AST0B476	STR2_ST_D_ACQ	UINT	STRING	ASKT0101TM	N				
3	0	5	32	AST0B477	STR2_ST_D_VAL	UINT	STRING	ASKT0102TM	N				
4	0	9	32	AST0B480	STR2_SD_TSC	UINT	INTEGER	Z_IDENTITY	N				
5	0	13	8	AST0B429	STR2_ST_D_B1	UINT	INTEGER	Z_IDENTITY	N			N	
6	0	14	8	AST0B430	STR2_ST_D_B2	UINT	INTEGER	Z_IDENTITY	N			N	
7	0	15	8	AST0B431	STR2_ST_D_B3	UINT	INTEGER	Z_IDENTITY	N			N	
8	0	16	8	AST0B432	STR2_ST_D_B4	UINT	INTEGER	Z_IDENTITY	N			N	
9	0	17	8	AST0B433	STR2_ST_D_B5	UINT	INTEGER	Z_IDENTITY	N			N	
10	0	18	8	AST0B434	STR2_ST_D_B6	UINT	INTEGER	Z_IDENTITY	N			N	
11	0	19	8	AST0B435	STR2_ST_D_B7	UINT	INTEGER	Z_IDENTITY	N			N	
12	0	20	8	AST0B436	STR2_ST_D_B8	UINT	INTEGER	Z_IDENTITY	N			N	
13	0	21	8	AST0B437	STR2_ST_D_B9	UINT	INTEGER	Z_IDENTITY	N			N	
14	0	22	8	AST0B438	STR2_ST_D_B10	UINT	INTEGER	Z_IDENTITY	N			N	
15	0	23	8	AST0B439	STR2_ST_D_B11	UINT	INTEGER	Z_IDENTITY	N			N	
16	0	24	8	AST0B440	STR2_ST_D_B12	UINT	INTEGER	Z_IDENTITY	N			N	
17	0	25	8	AST0B441	STR2_ST_D_B13	UINT	INTEGER	Z_IDENTITY	N			N	
18	0	26	8	AST0B442	STR2_ST_D_B14	UINT	INTEGER	Z_IDENTITY	N			N	
19	0	27	8	AST0B443	STR2_ST_D_B15	UINT	INTEGER	Z_IDENTITY	N			N	
20	0	28	8	AST0B444	STR2_ST_D_B16	UINT	INTEGER	Z_IDENTITY	N			N	
21	0	29	8	AST0B445	STR2_ST_D_B17	UINT	INTEGER	Z_IDENTITY	N			N	
22	0	30	8	AST0B446	STR2_ST_D_B18	UINT	INTEGER	Z_IDENTITY	N			N	
23	0	31	8	AST0B447	STR2_ST_D_B19	UINT	INTEGER	Z_IDENTITY	N			N	
24	0	32	8	AST0B448	STR2_ST_D_B20	UINT	INTEGER	Z_IDENTITY	N			N	
25	0	33	8	AST0B449	STR2_ST_D_B21	UINT	INTEGER	Z_IDENTITY	N			N	
26	0	34	8	AST0B450	STR2_ST_D_B22	UINT	INTEGER	Z_IDENTITY	N			N	
27	0	35	8	AST0B451	STR2_ST_D_B23	UINT	INTEGER	Z_IDENTITY	N			N	
28	0	36	8	AST0B452	STR2_ST_D_B24	UINT	INTEGER	Z_IDENTITY	N			N	
29	0	37	8	AST0B453	STR2_ST_D_B25	UINT	INTEGER	Z_IDENTITY	N			N	



# Sentinel-2

## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32125	STR2 SDB Status Data Block		3,25	11	6	182	Y	71	FIXED	AST00032	125	10000	Y	32125	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	38	8	AST0B454	STR2_ST_D_B26	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	39	8	AST0B455	STR2_ST_D_B27	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	40	8	AST0B456	STR2_ST_D_B28	UINT	INTEGER	Z_IDENTITY	N	N			
33	0	41	8	AST0B457	STR2_ST_D_B29	UINT	INTEGER	Z_IDENTITY	N	N			
34	0	42	8	AST0B458	STR2_ST_D_B30	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	43	8	AST0B459	STR2_ST_D_B31	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	44	8	AST0B460	STR2_ST_D_B32	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	45	8	AST0B461	STR2_ST_D_B33	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	46	8	AST0B462	STR2_ST_D_B34	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	47	8	AST0B463	STR2_ST_D_B35	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	48	8	AST0B464	STR2_ST_D_B36	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	49	8	AST0B465	STR2_ST_D_B37	UINT	INTEGER	Z_IDENTITY	N	N			
42	0	50	8	AST0B466	STR2_ST_D_B38	UINT	INTEGER	Z_IDENTITY	N	N			
43	0	51	8	AST0B467	STR2_ST_D_B39	UINT	INTEGER	Z_IDENTITY	N	N			
44	0	52	8	AST0B468	STR2_ST_D_B40	UINT	INTEGER	Z_IDENTITY	N	N			
45	0	53	8	AST0B469	STR2_ST_D_B41	UINT	INTEGER	Z_IDENTITY	N	N			
46	0	54	8	AST0B470	STR2_ST_D_B42	UINT	INTEGER	Z_IDENTITY	N	N			
47	0	55	8	AST0B471	STR2_ST_D_B43	UINT	INTEGER	Z_IDENTITY	N	N			
48	0	56	8	AST0B472	STR2_ST_D_B44	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**  
AST0B476 STR2\_ST\_D\_ACQ

From	To	Text
0		NOT_ACQUIRED
1		ACQ_FAILED
2		ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**  
AST0B477 STR2\_ST\_D\_VAL

From	To	Text
0		INVALID
1		VALID



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32126	STR3 SDB Status Data Block		3,25	11	6	182	Y	71	FIXED	AST00032	126	10000	Y	32126	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	AST00032	Structure ID	UINT	INTEGER		N				
2	0	1	32	AST0C476	STR3_ST_D_ACQ	UINT	STRING	ASKT0101TM	N				
3	0	5	32	AST0C477	STR3_ST_D_VAL	UINT	STRING	ASKT0102TM	N				
4	0	9	32	AST0C480	STR3_SD_TSC	UINT	INTEGER	Z_IDENTITY	N				
5	0	13	8	AST0C429	STR3_ST_D_B1	UINT	INTEGER	Z_IDENTITY	N			N	
6	0	14	8	AST0C430	STR3_ST_D_B2	UINT	INTEGER	Z_IDENTITY	N			N	
7	0	15	8	AST0C431	STR3_ST_D_B3	UINT	INTEGER	Z_IDENTITY	N			N	
8	0	16	8	AST0C432	STR3_ST_D_B4	UINT	INTEGER	Z_IDENTITY	N			N	
9	0	17	8	AST0C433	STR3_ST_D_B5	UINT	INTEGER	Z_IDENTITY	N			N	
10	0	18	8	AST0C434	STR3_ST_D_B6	UINT	INTEGER	Z_IDENTITY	N			N	
11	0	19	8	AST0C435	STR3_ST_D_B7	UINT	INTEGER	Z_IDENTITY	N			N	
12	0	20	8	AST0C436	STR3_ST_D_B8	UINT	INTEGER	Z_IDENTITY	N			N	
13	0	21	8	AST0C437	STR3_ST_D_B9	UINT	INTEGER	Z_IDENTITY	N			N	
14	0	22	8	AST0C438	STR3_ST_D_B10	UINT	INTEGER	Z_IDENTITY	N			N	
15	0	23	8	AST0C439	STR3_ST_D_B11	UINT	INTEGER	Z_IDENTITY	N			N	
16	0	24	8	AST0C440	STR3_ST_D_B12	UINT	INTEGER	Z_IDENTITY	N			N	
17	0	25	8	AST0C441	STR3_ST_D_B13	UINT	INTEGER	Z_IDENTITY	N			N	
18	0	26	8	AST0C442	STR3_ST_D_B14	UINT	INTEGER	Z_IDENTITY	N			N	
19	0	27	8	AST0C443	STR3_ST_D_B15	UINT	INTEGER	Z_IDENTITY	N			N	
20	0	28	8	AST0C444	STR3_ST_D_B16	UINT	INTEGER	Z_IDENTITY	N			N	
21	0	29	8	AST0C445	STR3_ST_D_B17	UINT	INTEGER	Z_IDENTITY	N			N	
22	0	30	8	AST0C446	STR3_ST_D_B18	UINT	INTEGER	Z_IDENTITY	N			N	
23	0	31	8	AST0C447	STR3_ST_D_B19	UINT	INTEGER	Z_IDENTITY	N			N	
24	0	32	8	AST0C448	STR3_ST_D_B20	UINT	INTEGER	Z_IDENTITY	N			N	
25	0	33	8	AST0C449	STR3_ST_D_B21	UINT	INTEGER	Z_IDENTITY	N			N	
26	0	34	8	AST0C450	STR3_ST_D_B22	UINT	INTEGER	Z_IDENTITY	N			N	
27	0	35	8	AST0C451	STR3_ST_D_B23	UINT	INTEGER	Z_IDENTITY	N			N	
28	0	36	8	AST0C452	STR3_ST_D_B24	UINT	INTEGER	Z_IDENTITY	N			N	
29	0	37	8	AST0C453	STR3_ST_D_B25	UINT	INTEGER	Z_IDENTITY	N			N	



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
ASY_ANC32126	STR3 SDB Status Data Block		3,25	11	6	182	Y	71	FIXED	AST00032		126	10000	Y	32126	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	38	8	AST0C454	STR3_ST_D_B26	UINT	INTEGER	Z_IDENTITY	N	N			
31	0	39	8	AST0C455	STR3_ST_D_B27	UINT	INTEGER	Z_IDENTITY	N	N			
32	0	40	8	AST0C456	STR3_ST_D_B28	UINT	INTEGER	Z_IDENTITY	N	N			
33	0	41	8	AST0C457	STR3_ST_D_B29	UINT	INTEGER	Z_IDENTITY	N	N			
34	0	42	8	AST0C458	STR3_ST_D_B30	UINT	INTEGER	Z_IDENTITY	N	N			
35	0	43	8	AST0C459	STR3_ST_D_B31	UINT	INTEGER	Z_IDENTITY	N	N			
36	0	44	8	AST0C460	STR3_ST_D_B32	UINT	INTEGER	Z_IDENTITY	N	N			
37	0	45	8	AST0C461	STR3_ST_D_B33	UINT	INTEGER	Z_IDENTITY	N	N			
38	0	46	8	AST0C462	STR3_ST_D_B34	UINT	INTEGER	Z_IDENTITY	N	N			
39	0	47	8	AST0C463	STR3_ST_D_B35	UINT	INTEGER	Z_IDENTITY	N	N			
40	0	48	8	AST0C464	STR3_ST_D_B36	UINT	INTEGER	Z_IDENTITY	N	N			
41	0	49	8	AST0C465	STR3_ST_D_B37	UINT	INTEGER	Z_IDENTITY	N	N			
42	0	50	8	AST0C466	STR3_ST_D_B38	UINT	INTEGER	Z_IDENTITY	N	N			
43	0	51	8	AST0C467	STR3_ST_D_B39	UINT	INTEGER	Z_IDENTITY	N	N			
44	0	52	8	AST0C468	STR3_ST_D_B40	UINT	INTEGER	Z_IDENTITY	N	N			
45	0	53	8	AST0C469	STR3_ST_D_B41	UINT	INTEGER	Z_IDENTITY	N	N			
46	0	54	8	AST0C470	STR3_ST_D_B42	UINT	INTEGER	Z_IDENTITY	N	N			
47	0	55	8	AST0C471	STR3_ST_D_B43	UINT	INTEGER	Z_IDENTITY	N	N			
48	0	56	8	AST0C472	STR3_ST_D_B44	UINT	INTEGER	Z_IDENTITY	N	N			



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
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**Name:** ASKT0101TM **Descr:** ACQ\_STATUS

**Referenced by:**  
AST0C476 STR3\_ST\_D\_ACQ

From	To	Text
0		NOT_ACQUIRED
1		ACQ_FAILED
2		ACQUIRED

**Name:** ASKT0102TM **Descr:** ACQ\_VALID\_FLAG

**Referenced by:**  
AST0C477 STR3\_ST\_D\_VAL

From	To	Text
0		INVALID
1		VALID



# Sentinel-2

## SRDB Database Extract

TM Packets Structure

Date: 22.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
CJY_ANC17123	MSI-SAD Packet		3,25	16	6	262	Y	69	FIXED	CJT00032		123	10000	Y	17123	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	CJT00032	Structure ID	UINT	INTEGER	Z_IDENTITY	N				
2	0	1	32	CJT60070	MSI_MODE_ID	UINT	STRING	CJKT0009TM	N				
3	0	5	32	CJT60071	MSI_INS_MODE_ID	UINT	STRING	CJKT0010TM	N				
4	0	9	16	CJT28020	THCT_1N_M1	UINT	REAL	JHKP0121TM	N				
5	0	11	16	CJT28029	THCT_10N_TELE	UINT	REAL	JHKP0130TM	N				
6	0	13	16	CJT28022	THCT_3N_ARM	UINT	REAL	JHKP0123TM	N				
7	0	15	16	CJT28021	THCT_2N_ARM	UINT	REAL	JHKP0122TM	N				
8	0	17	16	CJT28023	THCT_4N_TELE	UINT	REAL	JHKP0124TM	N				
9	0	19	16	CJT29005	THCT_14N_M1_SCR	UINT	REAL	JHKP0134TM	N				
10	0	21	16	CJT29004	THCT_13N_M3_SCR	UINT	REAL	JHKP0133TM	N				
11	0	23	16	CJT28031	THCT_12N_M2	UINT	REAL	JHKP0132TM	N				
12	0	25	16	CJT28026	THCT_7N_VFPA	UINT	REAL	JHKP0127TM	N				
13	0	27	16	CJT28028	THCT_9N_VFEE	UINT	REAL	JHKP0129TM	N				
14	0	29	16	CJT28025	THCT_6N_SFPA	UINT	REAL	JHKP0126TM	N				
15	0	31	16	CJT28027	THCT_8N_SFEE	UINT	REAL	JHKP0128TM	N				
16	0	33	16	CJT28024	THCT_5N_SPLITBOT	UINT	REAL	JHKP0125TM	N				
17	0	35	16	CJT28030	THCT_11N_SPLTOP	UINT	REAL	JHKP0131TM	N				
18	0	37	16	CJTX0422	T_CSM_DIFF_1	UINT	INTEGER	CRKP0030TM	N				
19	0	39	16	CJTX0423	T_CSM_DIFF_2	UINT	INTEGER	CRKP0030TM	N				
20	0	41	16	CJTX0424	T_CSM_DIFF_3	UINT	INTEGER	CRKP0030TM	N				
21	0	43	16	CJTX0344	T_GFA_BP-1	UINT	INTEGER	CRKP0030TM	N				
22	0	45	16	CJTX0512	T_STA_ZM_1	UINT	INTEGER	CRKP0030TM	N				
23	0	47	16	CJTX0349	T_STA_XP_1	UINT	INTEGER	CRKP0030TM	N				
24	0	49	16	CJTX0329	T_STA_XM-1	UINT	INTEGER	CRKP0030TM	N				
25	0	51	16	CJTX0313	T_STA_BP-1	UINT	INTEGER	CRKP0030TM	N				
26	0	53	16	CJTX0370	T_STA_YM-1	UINT	INTEGER	CRKP0030TM	N				



# Sentinel-2

## SRDB Database Extract

### TM Numerical Calibration Curves

Date: 22.11.2011  
Comment/Unit:  
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**Name:** CRKP0030TM **Descr:** Acq ANY resistance

**Unit:** Ohm X Y

**Referenced by:**

CJTX0313 T\_STA\_BP-1  
CJTX0329 T\_STA\_XM-1  
CJTX0344 T\_GFA\_BP-1  
CJTX0349 T\_STA\_XP\_1  
CJTX0370 T\_STA\_YM-1  
CJTX0422 T\_CSM\_DIFF\_1  
CJTX0423 T\_CSM\_DIFF\_2  
CJTX0424 T\_CSM\_DIFF\_3  
CJTX0512 T\_STA\_ZM\_1

**Modelname:** GENERIC

-32768 -19742.85  
32293 1.582E+09  
32294 -6.33E+09  
32767 -2714426

**Name:** JHKP0121TM **Descr:** TEMP\_A\_THCT\_01N

**Unit:** degC X Y

**Modelname:** GENERIC

0 -1  
16383 51

**Referenced by:**

CJT28020 THCT\_1N\_M1

**Name:** JHKP0122TM **Descr:** TEMP\_A\_THCT\_02N

**Unit:** degC X Y

**Modelname:** GENERIC

0 -1  
16383 51

**Referenced by:**

CJT28021 THCT\_2N\_ARM

**Name:** JHKP0123TM **Descr:** TEMP\_A\_THCT\_03N

**Unit:** degC X Y

**Modelname:** GENERIC

0 -1  
16383 51

**Referenced by:**

CJT28022 THCT\_3N\_ARM

**Name:** JHKP0124TM **Descr:** TEMP\_A\_THCT\_04N

**Unit:** degC X Y

**Modelname:** GENERIC

0 -1  
16383 51

**Referenced by:**

CJT28023 THCT\_4N\_TELE

**Name:** JHKP0125TM **Descr:** TEMP\_A\_THCT\_05N

**Unit:** degC X Y

**Modelname:** GENERIC

0 -1  
16383 51

**Referenced by:**

CJT28024 THCT\_5N\_SPLITBOT





# Sentinel-2

## SRDB Database Extract

### TM Numerical Calibration Curves

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**Name:** JHKP0126TM **Descr:** TEMP\_A\_M90\_M65\_THCT\_06N

**Unit:** degC **X** **Y**

**Modelname:** GENERIC

0	-101
197	-100
1453	-98
3327	-95
5197	-92
6439	-90
8304	-87
10171	-84
12032	-81
13882	-78
15727	-75
16383	-74

**Referenced by:**

CJT28025 THCT\_6N\_SFPA

**Name:** JHKP0127TM **Descr:** TEMP\_A\_THCT\_07N

**Unit:** degC **X** **Y**

**Modelname:** GENERIC

0	-1
16383	51

**Referenced by:**

CJT28026 THCT\_7N\_VFPA

**Name:** JHKP0128TM **Descr:** TEMP\_A\_THCT\_08N

**Unit:** degC **X** **Y**

**Modelname:** GENERIC

0	-1
16383	51

**Referenced by:**

CJT28027 THCT\_8N\_SFEE

**Name:** JHKP0129TM **Descr:** TEMP\_A\_THCT\_09N

**Unit:** degC **X** **Y**

**Modelname:** GENERIC

0	-1
16383	51

**Referenced by:**

CJT28028 THCT\_9N\_VFEE

**Name:** JHKP0130TM **Descr:** TEMP\_A\_THCT\_10N

**Unit:** degC **X** **Y**

**Modelname:** GENERIC

0	-1
16383	51

**Referenced by:**

CJT28029 THCT\_10N\_TELE

**Name:** JHKP0131TM **Descr:** TEMP\_A\_THCT\_11N

**Unit:** degC **X** **Y**

**Modelname:** GENERIC

0	-1
16383	51

**Referenced by:**

CJT28030 THCT\_11N\_SPLTOP

51

51

51



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 22.11.2011  
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Page: 1 of 1

**Name:** CJKT0009TM **Descr:** MSI\_MODE\_ID

**Referenced by:**  
CJT60070 MSI\_MODE\_ID

From	To	Text
0		OFF
1		SURVIVAL
2		STAND_BY
3		IDLE
4		IMAGE
5		IMAGE_IDLE
6		IDLE_SBY
7		SBY_SURV

**Name:** CJKT0010TM **Descr:** MSI\_INS\_MODE\_ID

**Referenced by:**  
CJT60071 MSI\_INS\_MODE\_ID

From	To	Text
0		INS_SRV
1		INS_STB
2		INS_IDL
3		INS_IMG
4		INS_NOBS
5		INS_EOBS
6		INS_DASC
7		INS_ABSR
8		INS_VIC
9		INS_RAW
10		INS_TST
11		INS_DEC
12		INS_SBY_R
13		INS_SVR_R



# Sentinel-2

## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37088	N_ScienceDataReport__SatellitesInView_2_	212	1	48	6	774	Y	50	VAR_WI	GST01688	SAT_IN_VIEW		Y	37088	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST01688	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST01689	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST0168A	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST0168B	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG02F7	DESCRIPTION				N	N	1	L	N
		0	4	GST0168C	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0168D	V	UINT	STRING	GSKT0299TM					
		5	3	GST0168E	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0168F	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG02F8	DESCRIPTION				N	N	1	L	N
		0	3	GST01690	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01691	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	3	GST01692	BLOCK	UINT	STRING	GSKT0214TM					
		14	1	GST01693	E	UINT	STRING	GSKT0215TM					
		15	1	GST01694	B	UINT	STRING	GSKT0216TM					
8	1	10	8	GSTG02F9	DESCRIPTION				N	N	1	L	N
		0	4	GST01695	ANT	UINT	STRING	GSKT0217TM					
		4	1	GST01696	X	UINT	STRING	GSKT0218TM					
		5	1	GST01697	N	UINT	STRING	GSKT0219TM					
		6	1	GST01698	M	UINT	STRING	GSKT0220TM					
		7	1	GST01699	S	UINT	STRING	GSKT0221TM					
9	1	11	8	GST0169A	MFC_TS	UINT	STRING	GSKT0222TM	N	N	1	L	N
10	1	12	8	GSTG02FA	DESCRIPTION				N	N	1	L	N
		0	5	GST0169B	URA	UINT	INTEGER	Z_IDENTITY					
		5	1	GST0169C	AL	UINT	INTEGER	Z_IDENTITY					
		6	1	GST0169D	FP	UINT	STRING	GSKT0223TM					
		7	1	GST0169E	N_U_2	UINT	INTEGER	Z_IDENTITY					
11	1	13	8	GSTG02FB	DESCRIPTION				N	N	1	L	N
		0	1	GST0169F	H1	UINT	STRING	GSKT0224TM					
		1	1	GST016A0	H2	UINT	STRING	GSKT0225TM					
		2	6	GST016A1	N_U_3	UINT	INTEGER	Z_IDENTITY					
12	1	14	32	GST016A2	PSEUDO_R_MSB	UINT	INTEGER	GSKP0151TM	N	N	1	L	N



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
 Page: 2 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatn	Len[Byte]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37088	N_ScienceDataReport__SatellitesInView_2_	212	1	48	6	774	Y	50	VAR_WI	GST01688	SAT_IN_VIEW			Y	37088	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
13	1	18	16	GST016A3	PSEUDO_R_LSB	UINT	INTEGER	Z_IDMM	N	N	1	L	N
14	1	20	32	GST016A4	DELTA_R	SINT	INTEGER	GSKP0226TM	N	N	1	L	N
15	1	24	16	GST016A5	ZENITH_t0	UINT	INTEGER	GSKP0227TM	N	N	1	L	N
16	1	26	16	GST016A6	AZ_t0	SINT	INTEGER	GSKP0228TM	N	N	1	L	N
17	1	28	16	GST016A7	ZENITH_t1	UINT	INTEGER	GSKP0227TM	N	N	1	L	N
18	1	30	16	GST016A8	AZ_t1	SINT	INTEGER	GSKP0228TM	N	N	1	L	N
19	1	32	16	GST016A9	ATT_UNC	UINT	INTEGER	GSKP0229TM	N	N	1	L	N
20	1	34	16	GST016AA	N_U_4	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N



# Sentinel-2

## SRDB Database Extract

### TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
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**Name:** GSKP0151TM **Descr:** RESERVED\_75

**Unit:** m X Y

**Modelname:** GENERIC

0 0  
4.295E+09 4294967.3

**Referenced by:**

GST016A2 PSEUDO\_R\_MSB

**Name:** GSKP0226TM **Descr:** DELTA\_RNG

**Unit:** m/s X Y

**Modelname:** GENERIC

-2.15E+09 -21474.84  
2.147E+09 21474.836

**Referenced by:**

GST016A4 DELTA\_R

**Name:** GSKP0227TM **Descr:** ZENITH\_t0

**Unit:** deg X Y

**Modelname:** GENERIC

0 0  
65535 655.35

**Referenced by:**

GST016A5 ZENITH\_t0  
GST016A7 ZENITH\_t1

**Name:** GSKP0228TM **Descr:** AZ\_t0

**Unit:** deg X Y

**Modelname:** GENERIC

-32768 -327.68  
32767 327.67

**Referenced by:**

GST016A6 AZ\_t0  
GST016A8 AZ\_t1

**Name:** GSKP0229TM **Descr:** ATT\_UNC

**Unit:** deg X Y

**Modelname:** GENERIC

0 0  
65535 65.535

**Referenced by:**

GST016A9 ATT\_UNC



# Sentinel-2

## SRDB Database Extract

TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Page: 1 of 8

Name: GSKT0214TM Descr: BLOCK

Referenced by:  
GST01692 BLOCK

From	To	Text
0		BLOCK_I
1		BLOCK_IIIIAIR
2		BLOCK_IIRM
3		BLOCK_IIF
7		BLOCK_UNKNOWN

Name: GSKT0215TM Descr: E

Referenced by:  
GST01693 E

From	To	Text
0		NO_EPHEMERIS_A
1		EPHEMERIS_AVAI

Name: GSKT0216TM Descr: B

Referenced by:  
GST01694 B

From	To	Text
0		SV_NOT_BANNED
1		SV_TEMP_BANNED

Name: GSKT0217TM Descr: ANT

Referenced by:  
GST01695 ANT

From	To	Text
0		FIRST_ANTENNA
1		SECOND_ANTENNA

Name: GSKT0218TM Descr: X

Referenced by:  
GST01696 X

From	To	Text
0		SV_NOT_EXCLUDE
1		SV_EXCLUDED

Name: GSKT0219TM Descr: N

Referenced by:  
GST01697 N

From	To	Text
0		SV_NOT_USED_FO
1		SV_USED_FOR_NA

Name: GSKT0220TM Descr: M

Referenced by:  
GST01698 M

From	To	Text
0		SV_NOT_EXCLUDE
1		SV_EXCLUDED_DU

Name: GSKT0221TM Descr: S

Referenced by:  
GST01699 S

From	To	Text
0		SV_NOT_EXCLUDE
1		SV_EXCLUDED_DU



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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**Name:** GSKT0222TM **Descr:** MFC\_TS

**Referenced by:**  
GST0169A MFC\_TS

From	To	Text
0		NO_MEASDATA_AV
1		CODE_ACQUISITI
2		CODE_ACQUISITI
3		CODE_TRACKING_
4		CODE_AND_CARRI
5		CODE_AND_CARRI
6		FINAL_TRACKING
7		FINAL_TRACKING
8		FINAL_TRACKING
9		FINAL_TRACKING
10		FINAL_TRACKING
11		FINAL_TRACKING

**Name:** GSKT0223TM **Descr:** FP

**Referenced by:**  
GST0169D FP

From	To	Text
0		L2CM_USED
1		PY_USED

**Name:** GSKT0224TM **Descr:** H1

**Referenced by:**  
GST0169F H1

From	To	Text
0		L1_AND_DATA_HE
1		L1_OR_DATA_UNH

**Name:** GSKT0225TM **Descr:** H2

**Referenced by:**  
GST016A0 H2

From	To	Text
0		L2_AND_DATA_HE
1		L2_OR_DATA_UNH





**Sentinel-2**  
**SRDB Database Extract**  
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Date: 21.11.2011  
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Name: GSKT0293TM Descr: SID

Referenced by:  
GST01688 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

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**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0168A FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 7 of 8

183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST0168D V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST0168E R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
 Page: 1 of 1

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37089	N_ScienceDataReport__CarrierPhase_2_	212	1	48	6	774	Y	38	VAR_WI	GST01688	ARR_PHASE			Y	37089	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST01688	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST016BE	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST016BF	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST016C0	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG02FC	DESCRIPTION				N	N	1	L	N
		0	4	GST016C1	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST016C2	V	UINT	STRING	GSKT0299TM					
		5	3	GST016C3	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST016C4	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG02FD	DESCRIPTION				N	N	1	L	N
		0	3	GST016C5	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST016C6	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST016C7	SIG	UINT	STRING	GSKT0230TM					
8	1	10	8	GSTG02FE	DESCRIPTION				N	N	1	L	N
		0	4	GST016C8	ANT	UINT	STRING	GSKT0231TM					
		4	1	GST016C9	D	UINT	STRING	GSKT0232TM					
		5	3	GST016CA	N_U_2	UINT	INTEGER	Z_IDENTITY					
9	1	11	8	GST016CB	SF_CHN	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
10	1	12	32	GST016CC	NCO_PHASE_MSB	SINT	INTEGER	GSKP0233TM	N	N	1	L	N
11	1	16	32	GST016CD	NCO_PHASE_LSB	UINT	INTEGER	GSKP0234TM	N	N	1	L	N
12	1	20	32	GST016CE	DELTA_RNG	SINT	INTEGER	GSKP0226TM	N	N	1	L	N



## Sentinel-2 SRDB Database Extract

TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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**Name:** GSKP0226TM **Descr:** DELTA\_RNG

**Referenced by:**

**Unit:** m/s X Y

GST016CE DELTA\_RNG

**Modelname:** GENERIC

-2.147E+09 -21474.836  
2147483650 21474.8365

**Name:** GSKP0233TM **Descr:** NCO\_PHASE\_MSB

**Referenced by:**

**Unit:** cacy X Y

GST016CC NCO\_PHASE\_MSB

**Modelname:** GENERIC

-2.147E+09 -524288  
2147483650 524288

**Name:** GSKP0234TM **Descr:** NCO\_PHASE\_LSB

**Referenced by:**

**Unit:** cacy X Y

GST016CD NCO\_PHASE\_LSB

**Modelname:** GENERIC

0 0  
4294967300 1048576





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Name: GSKT0230TM Descr: SIG

Referenced by:  
GST016C7 SIG

From	To	Text
0		GPS_L1_CA
1		GPS_L1_P
2		GPS_L2_CA
3		GPS_L2_P
4		GPS_L2_CM
5		GPS_L2_CL
6		NO_SIGNAL

Name: GSKT0231TM Descr: ANT

Referenced by:  
GST016C8 ANT

From	To	Text
0		FIRST_ANTENNA
1		SECOND_ANTENNA

Name: GSKT0232TM Descr: D

Referenced by:  
GST016C9 D

From	To	Text
0		STEADY_CARRIER
1		UNSTEADY_CARRI

Name: GSKT0293TM Descr: SID

Referenced by:  
GST01688 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 2 of 6

Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST016BF FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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Rel./Iss.: 2 , 51  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
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160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
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203	_469
204	_475
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207	_4934
208	_4997
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210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST016C2 V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST016C3 R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



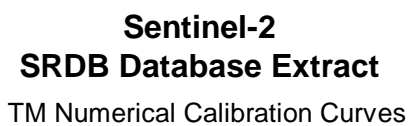
## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37090	N_SciDa__ScienceDataReport__CodePhase_	212	1	48	6	774	Y	34	VAR_WI	GST01688	:ODE_PHASE			Y	37090	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST01688	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST016E3	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST016E4	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST016E5	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG02FF	DESCRIPTION				N	N	1	L	N
		0	4	GST016E6	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST016E7	V	UINT	STRING	GSKT0299TM					
		5	3	GST016E8	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST016E9	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG0300	DESCRIPTION				N	N	1	L	N
		0	3	GST016EA	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST016EB	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST016EC	SIG	UINT	STRING	GSKT0230TM					
8	1	10	8	GSTG0301	DESCRIPTION				N	N	1	L	N
		0	4	GST016ED	ANT	UINT	STRING	GSKT0231TM					
		4	1	GST016EE	D	UINT	STRING	GSKT0232TM					
		5	1	GST016EF	S	UINT	STRING	GSKT0235TM					
		6	2	GST016F0	N_U_2	UINT	INTEGER	Z_IDENTITY					
9	1	11	8	GST016F1	SF_CHN	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
10	1	12	32	GST016F2	CC_MSB	UINT	INTEGER	Z_IDCOCH	N	N	1	L	N
11	1	16	16	GST016F3	CC_LSB	UINT	INTEGER	Z_IDCOCH	N	N	1	L	N
12	1	18	16	GST016F4	FP	UINT	INTEGER	GSKP0123TM	N	N	1	L	N



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**Name:** GSKP0123TM    **Descr:** INITIAL\_CP

**Referenced by:**

Unit: coch

**X**

Y

GST016F4 FP

Modelname: GENERIC

0

0

65535 0.99998474





# Sentinel-2

## SRDB Database Extract

### TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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Name: GSKT0230TM Descr: SIG

Referenced by:  
GST016EC SIG

From	To	Text
0		GPS_L1_CA
1		GPS_L1_P
2		GPS_L2_CA
3		GPS_L2_P
4		GPS_L2_CM
5		GPS_L2_CL
6		NO_SIGNAL

Name: GSKT0231TM Descr: ANT

Referenced by:  
GST016ED ANT

From	To	Text
0		FIRST_ANTENNA
1		SECOND_ANTENNA

Name: GSKT0232TM Descr: D

Referenced by:  
GST016EE D

From	To	Text
0		STEADY_CARRIER
1		UNSTEADY_CARRI

Name: GSKT0235TM Descr: S

Referenced by:  
GST016EF S

From	To	Text
0		SMOOTHING_NOT_
1		SMOOTHING_APPL

Name: GSKT0293TM Descr: SID

Referenced by:  
GST01688 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST016E4 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Page: 5 of 6

183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST016E7 V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST016E8 R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37111	N_ScienceDataRep__ConstellationStatus_2_	212	1	48	13	781	Y	26	VAR_WI	GST018DF	CONST_STAT			Y	37111	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST018DF	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST018E0	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST018E1	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST018E2	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG030E	DESCRIPTION				N	N	1	L	N
		0	4	GST018E3	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST018E4	V	UINT	STRING	GSKT0299TM					
		5	3	GST018E5	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST018E6	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG030F	DESCRIPTION				N	N	1	L	N
		0	3	GST018E7	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST018E8	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST018E9	AS	UINT	STRING	GSKT0168TM					
		12	1	GST018EA	X	UINT	STRING	GSKT0169TM					
		13	3	GST018EB	BLOCK	UINT	STRING	GSKT0170TM					
8	1	10	8	GSTG0310	DESCRIPTION				N	N	1	L	N
		0	1	GST018EC	AN	UINT	STRING	GSKT0171TM					
		1	1	GST018ED	EN	UINT	STRING	GSKT0171TM					
		2	1	GST018EE	CN	UINT	STRING	GSKT0171TM					
		3	1	GST018EF	DN	UINT	STRING	GSKT0171TM					
		4	1	GST018F0	AC	UINT	STRING	GSKT0171TM					
		5	1	GST018F1	EC	UINT	STRING	GSKT0171TM					
		6	1	GST018F2	CC	UINT	STRING	GSKT0171TM					
		7	1	GST018F3	DC	UINT	STRING	GSKT0171TM					
9	1	11	8	GSTG0311	DESCRIPTION				N	N	1	L	N
		0	1	GST018F4	GC	UINT	STRING	GSKT0172TM					
		1	1	GST018F5	FP	UINT	STRING	GSKT0173TM					
		2	6	GST018F6	HEALTH	UINT	INTEGER	Z_IDENTITY					



## Sentinel-2 SRDB Database Extract

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0168TM Descr: AS

Referenced by:  
GST018E9 AS

From	To	Text
0		ANTISPOOF_OFF
1		ANTISPOOF_ON

Name: GSKT0169TM Descr: X

Referenced by:  
GST018EA X

From	To	Text
0		SV_EXCLUDED
1		SV_INCLUDED

Name: GSKT0170TM Descr: BLOCK

Referenced by:  
GST018EB BLOCK

From	To	Text
0		BLOCK_I
1		BLOCK_IIIIAIR
2		BLOCK_IIRM
3		BLOCK_IIF
7		BLOCK_UNKNOWN

Name: GSKT0171TM Descr: AN

Referenced by:  
GST018EC AN  
GST018ED EN  
GST018EE CN  
GST018EF DN  
GST018F0 AC  
GST018F1 EC  
GST018F2 CC  
GST018F3 DC

From	To	Text
0		NOT_AVAILABLE
1		AVAILABLE

Name: GSKT0172TM Descr: GC

Referenced by:  
GST018F4 GC

From	To	Text
0		NOT_AVAILABLE
1		AVAILABLE

Name: GSKT0173TM Descr: FP

Referenced by:  
GST018F5 FP

From	To	Text
0		L2CM_USED
1		PY_USED





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Database: SISS2MAS  
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Name: GSKT0293TM Descr: SID

Referenced by:  
GST018DF SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

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**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 3 of 7

Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST018E1 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST018E4 V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST018E5 R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37112	N_ScienceDataReport__TrackingState_9_	212	1	48	12	780	Y	118	FIXED	GST01AE8	KING_STATE		Y	37112	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST01AE8	SID	UINT	STRING	GSKT0293TM	N				
2	0	1	24	GST01AFA	FILLER	UINT	INTEGER	Z_IDENTITY	N				
3	0	4	8	GST01AFB	FE_TEMP	UINT	STRING	GSKT0298TM	N				
4	0	5	8	GST01AFC	ID	UINT	INTEGER	Z_IDENTITY	N				
5	0	6	8	GSTG036F	DESCRIPTION				N				
		0	4	GST01AFD	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01AFE	V	UINT	STRING	GSKT0299TM					
		5	3	GST01AFF	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST01B00	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	N				
7	0	8	16	GSTG0370	DESCRIPTION				N				
		0	3	GST01B01	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01B02	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01B03	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST01B04	ANT	UINT	STRING	GSKT0249TM					
8	0	10	8	GST01B05	MFC_TS	UINT	STRING	GSKT0250TM	N				
9	0	11	8	GST01B06	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
10	0	12	8	GSTG0371	DESCRIPTION				N				
		0	3	GST01B07	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B08	SIG1	UINT	STRING	GSKT0251TM					
11	0	13	8	GST01B09	CHN1	UINT	INTEGER	Z_IDENTITY	N				
12	0	14	8	GSTG0372	DESCRIPTION				N				
		0	3	GST01B0A	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B0B	SIG2	UINT	STRING	GSKT0252TM					
13	0	15	8	GST01B0C	CHN2	UINT	INTEGER	Z_IDENTITY	N				
14	0	16	8	GSTG0373	DESCRIPTION				N				
		0	3	GST01B0D	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B0E	SIG3	UINT	STRING	GSKT0253TM					
15	0	17	8	GST01B0F	CHN3	UINT	INTEGER	Z_IDENTITY	N				
16	0	18	16	GST01B10	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
17	0	20	16	GSTG0374	DESCRIPTION				N				
		0	3	GST01B11	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01B12	SV_ID	UINT	INTEGER	Z_IDENTITY					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37112	N_ScienceDataReport__TrackingState_9_	212	1	48	12	780	Y	118	FIXED	GST01AE8	KING_STATE		Y	37112	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		11	1	GST01B13	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST01B14	ANT	UINT	STRING	GSKT0249TM					
18	0	22	8	GST01B15	MFC_TS	UINT	STRING	GSKT0250TM	N				
19	0	23	8	GST01B16	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
20	0	24	8	GSTG0375	DESCRIPTION				N				
		0	3	GST01B17	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B18	SIG1	UINT	STRING	GSKT0251TM					
21	0	25	8	GST01B19	CHN1	UINT	INTEGER	Z_IDENTITY	N				
22	0	26	8	GSTG0376	DESCRIPTION				N				
		0	3	GST01B1A	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B1B	SIG2	UINT	STRING	GSKT0252TM					
23	0	27	8	GST01B1C	CHN2	UINT	INTEGER	Z_IDENTITY	N				
24	0	28	8	GSTG0377	DESCRIPTION				N				
		0	3	GST01B1D	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B1E	SIG3	UINT	STRING	GSKT0253TM					
25	0	29	8	GST01B1F	CHN3	UINT	INTEGER	Z_IDENTITY	N				
26	0	30	16	GST01B20	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
27	0	32	16	GSTG0378	DESCRIPTION				N				
		0	3	GST01B21	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01B22	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01B23	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST01B24	ANT	UINT	STRING	GSKT0249TM					
28	0	34	8	GST01B25	MFC_TS	UINT	STRING	GSKT0250TM	N				
29	0	35	8	GST01B26	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
30	0	36	8	GSTG0379	DESCRIPTION				N				
		0	3	GST01B27	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B28	SIG1	UINT	STRING	GSKT0251TM					
31	0	37	8	GST01B29	CHN1	UINT	INTEGER	Z_IDENTITY	N				
32	0	38	8	GSTG037A	DESCRIPTION				N				
		0	3	GST01B2A	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B2B	SIG2	UINT	STRING	GSKT0252TM					
33	0	39	8	GST01B2C	CHN2	UINT	INTEGER	Z_IDENTITY	N				





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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37112	N_ScienceDataReport__TrackingState_9_	212	1	48	12	780	Y	118	FIXED	GST01AE8	KING_STATE		Y	37112	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
34	0	40	8	GSTG037B	DESCRIPTION				N				
		0	3	GST01B2D	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B2E	SIG3	UINT	STRING	GSKT0253TM					
35	0	41	8	GST01B2F	CHN3	UINT	INTEGER	Z_IDENTITY	N				
36	0	42	16	GST01B30	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
37	0	44	16	GSTG037C	DESCRIPTION				N				
		0	3	GST01B31	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01B32	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01B33	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST01B34	ANT	UINT	STRING	GSKT0249TM					
38	0	46	8	GST01B35	MFC_TS	UINT	STRING	GSKT0250TM	N				
39	0	47	8	GST01B36	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
40	0	48	8	GSTG037D	DESCRIPTION				N				
		0	3	GST01B37	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B38	SIG1	UINT	STRING	GSKT0251TM					
41	0	49	8	GST01B39	CHN1	UINT	INTEGER	Z_IDENTITY	N				
42	0	50	8	GSTG037E	DESCRIPTION				N				
		0	3	GST01B3A	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B3B	SIG2	UINT	STRING	GSKT0252TM					
43	0	51	8	GST01B3C	CHN2	UINT	INTEGER	Z_IDENTITY	N				
44	0	52	8	GSTG037F	DESCRIPTION				N				
		0	3	GST01B3D	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B3E	SIG3	UINT	STRING	GSKT0253TM					
45	0	53	8	GST01B3F	CHN3	UINT	INTEGER	Z_IDENTITY	N				
46	0	54	16	GST01B40	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
47	0	56	16	GSTG0380	DESCRIPTION				N				
		0	3	GST01B41	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01B42	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01B43	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST01B44	ANT	UINT	STRING	GSKT0249TM					
48	0	58	8	GST01B45	MFC_TS	UINT	STRING	GSKT0250TM	N				
49	0	59	8	GST01B46	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37112	N_ScienceDataReport__TrackingState_9_	212	1	48	12	780	Y	118	FIXED	GST01AE8	KING_STATE		Y	37112	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
50	0	60	8	GSTG0381	DESCRIPTION				N				
		0	3	GST01B47	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B48	SIG1	UINT	STRING	GSKT0251TM					
51	0	61	8	GST01B49	CHN1	UINT	INTEGER	Z_IDENTITY	N				
52	0	62	8	GSTG0382	DESCRIPTION				N				
		0	3	GST01B4A	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B4B	SIG2	UINT	STRING	GSKT0252TM					
53	0	63	8	GST01B4C	CHN2	UINT	INTEGER	Z_IDENTITY	N				
54	0	64	8	GSTG0383	DESCRIPTION				N				
		0	3	GST01B4D	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B4E	SIG3	UINT	STRING	GSKT0253TM					
55	0	65	8	GST01B4F	CHN3	UINT	INTEGER	Z_IDENTITY	N				
56	0	66	16	GST01B50	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
57	0	68	16	GSTG0384	DESCRIPTION				N				
		0	3	GST01B51	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01B52	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01B53	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST01B54	ANT	UINT	STRING	GSKT0249TM					
58	0	70	8	GST01B55	MFC_TS	UINT	STRING	GSKT0250TM	N				
59	0	71	8	GST01B56	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
60	0	72	8	GSTG0385	DESCRIPTION				N				
		0	3	GST01B57	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B58	SIG1	UINT	STRING	GSKT0251TM					
61	0	73	8	GST01B59	CHN1	UINT	INTEGER	Z_IDENTITY	N				
62	0	74	8	GSTG0386	DESCRIPTION				N				
		0	3	GST01B5A	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B5B	SIG2	UINT	STRING	GSKT0252TM					
63	0	75	8	GST01B5C	CHN2	UINT	INTEGER	Z_IDENTITY	N				
64	0	76	8	GSTG0387	DESCRIPTION				N				
		0	3	GST01B5D	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B5E	SIG3	UINT	STRING	GSKT0253TM					
65	0	77	8	GST01B5F	CHN3	UINT	INTEGER	Z_IDENTITY	N				



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37112	N_ScienceDataReport__TrackingState_9_	212	1	48	12	780	Y	118	FIXED	GST01AE8	KING_STATE		Y	37112	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
66	0	78	16	GST01B60	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
67	0	80	16	GSTG0388	DESCRIPTION				N				
		0	3	GST01B61	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01B62	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01B63	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST01B64	ANT	UINT	STRING	GSKT0249TM					
68	0	82	8	GST01B65	MFC_TS	UINT	STRING	GSKT0250TM	N				
69	0	83	8	GST01B66	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
70	0	84	8	GSTG0389	DESCRIPTION				N				
		0	3	GST01B67	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B68	SIG1	UINT	STRING	GSKT0251TM					
71	0	85	8	GST01B69	CHN1	UINT	INTEGER	Z_IDENTITY	N				
72	0	86	8	GSTG038A	DESCRIPTION				N				
		0	3	GST01B6A	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B6B	SIG2	UINT	STRING	GSKT0252TM					
73	0	87	8	GST01B6C	CHN2	UINT	INTEGER	Z_IDENTITY	N				
74	0	88	8	GSTG038B	DESCRIPTION				N				
		0	3	GST01B6D	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B6E	SIG3	UINT	STRING	GSKT0253TM					
75	0	89	8	GST01B6F	CHN3	UINT	INTEGER	Z_IDENTITY	N				
76	0	90	16	GST01B70	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
77	0	92	16	GSTG038C	DESCRIPTION				N				
		0	3	GST01B71	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01B72	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01B73	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST01B74	ANT	UINT	STRING	GSKT0249TM					
78	0	94	8	GST01B75	MFC_TS	UINT	STRING	GSKT0250TM	N				
79	0	95	8	GST01B76	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
80	0	96	8	GSTG038D	DESCRIPTION				N				
		0	3	GST01B77	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B78	SIG1	UINT	STRING	GSKT0251TM					
81	0	97	8	GST01B79	CHN1	UINT	INTEGER	Z_IDENTITY	N				



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatn	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37112	N_ScienceDataReport__TrackingState_9_	212	1	48	12	780	Y	118	FIXED	GST01AE8	KING_STATE		Y	37112	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
82	0	98	8	GSTG038E	DESCRIPTION				N				
		0	3	GST01B7A	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B7B	SIG2	UINT	STRING	GSKT0252TM					
83	0	99	8	GST01B7C	CHN2	UINT	INTEGER	Z_IDENTITY	N				
84	0	100	8	GSTG038F	DESCRIPTION				N				
		0	3	GST01B7D	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST01B7E	SIG3	UINT	STRING	GSKT0253TM					
85	0	101	8	GST01B7F	CHN3	UINT	INTEGER	Z_IDENTITY	N				
86	0	102	16	GST01B80	N_U_6	UINT	INTEGER	Z_IDENTITY	N				



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Name: GSKT0249TM Descr: ANT

### Referenced by:

From	To	Text
		GST01B04 ANT
		GST01B14 ANT
		GST01B24 ANT
		GST01B34 ANT
		GST01B44 ANT
		GST01B54 ANT
		GST01B64 ANT
		GST01B74 ANT
0		FIRST_ANTENNA
1		SECOND_ANTENNA

Name: GSKT0250TM Descr: MFC\_TS

### Referenced by:

From	To	Text
		GST01B05 MFC_TS
		GST01B15 MFC_TS
		GST01B25 MFC_TS
		GST01B35 MFC_TS
		GST01B45 MFC_TS
		GST01B55 MFC_TS
		GST01B65 MFC_TS
		GST01B75 MFC_TS
0		NO_MEASDATA_AV
1		CODE_ACQUISITI
2		CODE_ACQUISITI
3		CODE_TRACKING_
4		CODE_AND_CARRI
5		CODE_AND_CARRI
6		FINAL_TRACKING
7		FINAL_TRACKING
8		FINAL_TRACKING
9		FINAL_TRACKING
10		FINAL_TRACKING
11		FINAL_TRACKING



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Name: GSKT0251TM Descr: SIG1

### Referenced by:

GST01B08 SIG1  
GST01B18 SIG1  
GST01B28 SIG1  
GST01B38 SIG1  
GST01B48 SIG1  
GST01B58 SIG1  
GST01B68 SIG1  
GST01B78 SIG1

From	To	Text
0		GPS_L1_CA
1		GPS_L1_P
2		GPS_L2_CA
3		GPS_L2_P
4		GPS_L2_CM
5		GPS_L2_CL
6		NO_SIGNAL

Name: GSKT0252TM Descr: SIG2

### Referenced by:

GST01B0B SIG2  
GST01B1B SIG2  
GST01B2B SIG2  
GST01B3B SIG2  
GST01B4B SIG2  
GST01B5B SIG2  
GST01B6B SIG2  
GST01B7B SIG2

0		GPS_L1_CA
1		GPS_L1_P
2		GPS_L2_CA
3		GPS_L2_P
4		GPS_L2_CM
5		GPS_L2_CL
6		NO_SIGNAL



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Name: GSKT0253TM Descr: SIG3

**Referenced by:**

GST01B0E SIG3  
GST01B1E SIG3  
GST01B2E SIG3  
GST01B3E SIG3  
GST01B4E SIG3  
GST01B5E SIG3  
GST01B6E SIG3  
GST01B7E SIG3

From	To	Text
0		GPS_L1_CA
1		GPS_L1_P
2		GPS_L2_CA
3		GPS_L2_P
4		GPS_L2_CM
5		GPS_L2_CL
6		NO_SIGNAL

Name: GSKT0293TM Descr: SID

**Referenced by:**

GST01AE8 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST01AFB FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992





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82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

**Name:** GSKT0299TM **Descr:** V

**Referenced by:**  
GST01AFE V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

**Name:** GSKT0300TM **Descr:** R\_MODE

**Referenced by:**  
GST01AFF R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST01AE8	SID	UINT	STRING	GSKT0293TM	N				
2	0	1	24	GST01B95	FILLER	UINT	INTEGER	Z_IDENTITY	N				
3	0	4	8	GST01B96	FE_TEMP	UINT	STRING	GSKT0298TM	N				
4	0	5	8	GST01B97	ID	UINT	INTEGER	Z_IDENTITY	N				
5	0	6	8	GSTG0390	DESCRIPTION				N				
		0	4	GST01B98	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01B99	V	UINT	STRING	GSKT0299TM					
		5	3	GST01B9A	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST01B9B	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	N				
7	0	8	16	GSTG0391	DESCRIPTION				N				
		0	3	GST01B9C	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01B9D	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01B9E	SIG	UINT	STRING	GSKT0230TM					
8	0	10	8	GSTG0392	DESCRIPTION				N				
		0	4	GST01B9F	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01BA0	NDS	UINT	STRING	GSKT0254TM					
9	0	11	8	GST01BA1	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
10	0	12	8	GSTG0393	DESCRIPTION				N				
		0	2	GST01BA2	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01BA3	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01BA4	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01BA5	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01BA6	CRM	UINT	STRING	GSKT0257TM					
11	0	13	8	GSTG0394	DESCRIPTION				N				
		0	2	GST01BA7	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01BA8	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01BA9	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01BAA	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01BAB	CDM	UINT	STRING	GSKT0260TM					
12	0	14	8	GST01BAC	TS	UINT	STRING	GSKT0261TM	N				
13	0	15	8	GSTG0395	DESCRIPTION				N				
		0	1	GST01BAD	FRIT	UINT	STRING	GSKT0262TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport_ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		1	1	GST01BAE	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01BAF	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01BB0	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01BB1	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01BB2	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01BB3	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01BB4	FDTH	UINT	STRING	GSKT0265TM					
14	0	16	16	GSTG0396	DESCRIPTION				N				
		0	3	GST01BB5	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01BB6	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01BB7	SIG	UINT	STRING	GSKT0230TM					
15	0	18	8	GSTG0397	DESCRIPTION				N				
		0	4	GST01BB8	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01BB9	NDS	UINT	STRING	GSKT0254TM					
16	0	19	8	GST01BBA	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
17	0	20	8	GSTG0398	DESCRIPTION				N				
		0	2	GST01BBB	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01BBC	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01BBD	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01BBE	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01BBF	CRM	UINT	STRING	GSKT0257TM					
18	0	21	8	GSTG0399	DESCRIPTION				N				
		0	2	GST01BC0	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01BC1	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01BC2	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01BC3	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01BC4	CDM	UINT	STRING	GSKT0260TM					
19	0	22	8	GST01BC5	TS	UINT	STRING	GSKT0261TM	N				
20	0	23	8	GSTG039A	DESCRIPTION				N				
		0	1	GST01BC6	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01BC7	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01BC8	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01BC9	FRTH	UINT	STRING	GSKT0265TM					



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TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport_ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST01BCA	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01BCB	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01BCC	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01BCD	FDTH	UINT	STRING	GSKT0265TM					
21	0	24	16	GSTG039B	DESCRIPTION				N				
		0	3	GST01BCE	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01BCF	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01BD0	SIG	UINT	STRING	GSKT0230TM					
22	0	26	8	GSTG039C	DESCRIPTION				N				
		0	4	GST01BD1	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01BD2	NDS	UINT	STRING	GSKT0254TM					
23	0	27	8	GST01BD3	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
24	0	28	8	GSTG039D	DESCRIPTION				N				
		0	2	GST01BD4	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01BD5	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01BD6	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01BD7	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01BD8	CRM	UINT	STRING	GSKT0257TM					
25	0	29	8	GSTG039E	DESCRIPTION				N				
		0	2	GST01BD9	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01BDA	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01BDB	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01BDC	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01BDD	CDM	UINT	STRING	GSKT0260TM					
26	0	30	8	GST01BDE	TS	UINT	STRING	GSKT0261TM	N				
27	0	31	8	GSTG039F	DESCRIPTION				N				
		0	1	GST01BDF	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01BE0	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01BE1	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01BE2	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01BE3	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01BE4	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01BE5	FDSP	UINT	STRING	GSKT0267TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport_ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		7	1	GST01BE6	FDTH	UINT	STRING	GSKT0265TM					
28	0	32	16	GSTG03A0	DESCRIPTION				N				
		0	3	GST01BE7	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01BE8	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01BE9	SIG	UINT	STRING	GSKT0230TM					
29	0	34	8	GSTG03A1	DESCRIPTION				N				
		0	4	GST01BEA	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01BEB	NDS	UINT	STRING	GSKT0254TM					
30	0	35	8	GST01BEC	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
31	0	36	8	GSTG03A2	DESCRIPTION				N				
		0	2	GST01BED	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01BEE	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01BEF	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01BF0	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01BF1	CRM	UINT	STRING	GSKT0257TM					
32	0	37	8	GSTG03A3	DESCRIPTION				N				
		0	2	GST01BF2	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01BF3	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01BF4	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01BF5	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01BF6	CDM	UINT	STRING	GSKT0260TM					
33	0	38	8	GST01BF7	TS	UINT	STRING	GSKT0261TM	N				
34	0	39	8	GSTG03A4	DESCRIPTION				N				
		0	1	GST01BF8	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01BF9	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01BFA	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01BFB	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01BFC	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01BFD	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01BFE	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01BFF	FDTH	UINT	STRING	GSKT0265TM					
35	0	40	16	GSTG03A5	DESCRIPTION				N				
		0	3	GST01C00	CONS	UINT	INTEGER	Z_IDENTITY					





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TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		3	8	GST01C01	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01C02	SIG	UINT	STRING	GSKT0230TM					
36	0	42	8	GSTG03A6	DESCRIPTION				N				
		0	4	GST01C03	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01C04	NDS	UINT	STRING	GSKT0254TM					
37	0	43	8	GST01C05	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
38	0	44	8	GSTG03A7	DESCRIPTION				N				
		0	2	GST01C06	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C07	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01C08	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01C09	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01C0A	CRM	UINT	STRING	GSKT0257TM					
39	0	45	8	GSTG03A8	DESCRIPTION				N				
		0	2	GST01C0B	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C0C	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01C0D	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01C0E	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01C0F	CDM	UINT	STRING	GSKT0260TM					
40	0	46	8	GST01C10	TS	UINT	STRING	GSKT0261TM	N				
41	0	47	8	GSTG03A9	DESCRIPTION				N				
		0	1	GST01C11	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01C12	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01C13	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01C14	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01C15	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01C16	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01C17	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01C18	FDTH	UINT	STRING	GSKT0265TM					
42	0	48	16	GSTG03AA	DESCRIPTION				N				
		0	3	GST01C19	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01C1A	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01C1B	SIG	UINT	STRING	GSKT0230TM					
43	0	50	8	GSTG03AB	DESCRIPTION				N				



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		0	4	GST01C1C	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01C1D	NDS	UINT	STRING	GSKT0254TM					
44	0	51	8	GST01C1E	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
45	0	52	8	GSTG03AC	DESCRIPTION				N				
		0	2	GST01C1F	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C20	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01C21	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01C22	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01C23	CRM	UINT	STRING	GSKT0257TM					
46	0	53	8	GSTG03AD	DESCRIPTION				N				
		0	2	GST01C24	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C25	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01C26	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01C27	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01C28	CDM	UINT	STRING	GSKT0260TM					
47	0	54	8	GST01C29	TS	UINT	STRING	GSKT0261TM	N				
48	0	55	8	GSTG03AE	DESCRIPTION				N				
		0	1	GST01C2A	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01C2B	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01C2C	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01C2D	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01C2E	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01C2F	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01C30	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01C31	FDTH	UINT	STRING	GSKT0265TM					
49	0	56	16	GSTG03AF	DESCRIPTION				N				
		0	3	GST01C32	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01C33	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01C34	SIG	UINT	STRING	GSKT0230TM					
50	0	58	8	GSTG03B0	DESCRIPTION				N				
		0	4	GST01C35	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01C36	NDS	UINT	STRING	GSKT0254TM					
51	0	59	8	GST01C37	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				



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TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
52	0	60	8	GSTG03B1	DESCRIPTION				N				
		0	2	GST01C38	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C39	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01C3A	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01C3B	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01C3C	CRM	UINT	STRING	GSKT0257TM					
53	0	61	8	GSTG03B2	DESCRIPTION				N				
		0	2	GST01C3D	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C3E	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01C3F	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01C40	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01C41	CDM	UINT	STRING	GSKT0260TM					
54	0	62	8	GST01C42	TS	UINT	STRING	GSKT0261TM	N				
55	0	63	8	GSTG03B3	DESCRIPTION				N				
		0	1	GST01C43	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01C44	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01C45	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01C46	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01C47	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01C48	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01C49	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01C4A	FDTH	UINT	STRING	GSKT0265TM					
56	0	64	16	GSTG03B4	DESCRIPTION				N				
		0	3	GST01C4B	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01C4C	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01C4D	SIG	UINT	STRING	GSKT0230TM					
57	0	66	8	GSTG03B5	DESCRIPTION				N				
		0	4	GST01C4E	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01C4F	NDS	UINT	STRING	GSKT0254TM					
58	0	67	8	GST01C50	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
59	0	68	8	GSTG03B6	DESCRIPTION				N				
		0	2	GST01C51	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C52	CRBW	UINT	INTEGER	Z_IDENTITY					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST01C53	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01C54	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01C55	CRM	UINT	STRING	GSKT0257TM					
60	0	69	8	GSTG03B7	DESCRIPTION				N				
		0	2	GST01C56	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C57	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01C58	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01C59	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01C5A	CDM	UINT	STRING	GSKT0260TM					
61	0	70	8	GST01C5B	TS	UINT	STRING	GSKT0261TM	N				
62	0	71	8	GSTG03B8	DESCRIPTION				N				
		0	1	GST01C5C	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01C5D	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01C5E	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01C5F	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01C60	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01C61	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01C62	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01C63	FDTH	UINT	STRING	GSKT0265TM					
63	0	72	16	GSTG03B9	DESCRIPTION				N				
		0	3	GST01C64	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01C65	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01C66	SIG	UINT	STRING	GSKT0230TM					
64	0	74	8	GSTG03BA	DESCRIPTION				N				
		0	4	GST01C67	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01C68	NDS	UINT	STRING	GSKT0254TM					
65	0	75	8	GST01C69	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
66	0	76	8	GSTG03BB	DESCRIPTION				N				
		0	2	GST01C6A	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C6B	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01C6C	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01C6D	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01C6E	CRM	UINT	STRING	GSKT0257TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
67	0	77	8	GSTG03BC	DESCRIPTION				N				
		0	2	GST01C6F	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C70	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01C71	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01C72	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01C73	CDM	UINT	STRING	GSKT0260TM					
68	0	78	8	GST01C74	TS	UINT	STRING	GSKT0261TM	N				
69	0	79	8	GSTG03BD	DESCRIPTION				N				
		0	1	GST01C75	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01C76	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01C77	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01C78	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01C79	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01C7A	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01C7B	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01C7C	FDTH	UINT	STRING	GSKT0265TM					
70	0	80	16	GSTG03BE	DESCRIPTION				N				
		0	3	GST01C7D	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01C7E	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01C7F	SIG	UINT	STRING	GSKT0230TM					
71	0	82	8	GSTG03BF	DESCRIPTION				N				
		0	4	GST01C80	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01C81	NDS	UINT	STRING	GSKT0254TM					
72	0	83	8	GST01C82	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
73	0	84	8	GSTG03C0	DESCRIPTION				N				
		0	2	GST01C83	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C84	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01C85	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01C86	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01C87	CRM	UINT	STRING	GSKT0257TM					
74	0	85	8	GSTG03C1	DESCRIPTION				N				
		0	2	GST01C88	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C89	CDBW	UINT	INTEGER	Z_IDENTITY					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST01C8A	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01C8B	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01C8C	CDM	UINT	STRING	GSKT0260TM					
75	0	86	8	GST01C8D	TS	UINT	STRING	GSKT0261TM	N				
76	0	87	8	GSTG03C2	DESCRIPTION				N				
		0	1	GST01C8E	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01C8F	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01C90	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01C91	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01C92	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01C93	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01C94	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01C95	FDTH	UINT	STRING	GSKT0265TM					
77	0	88	16	GSTG03C3	DESCRIPTION				N				
		0	3	GST01C96	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01C97	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01C98	SIG	UINT	STRING	GSKT0230TM					
78	0	90	8	GSTG03C4	DESCRIPTION				N				
		0	4	GST01C99	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01C9A	NDS	UINT	STRING	GSKT0254TM					
79	0	91	8	GST01C9B	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
80	0	92	8	GSTG03C5	DESCRIPTION				N				
		0	2	GST01C9C	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01C9D	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01C9E	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01C9F	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01CA0	CRM	UINT	STRING	GSKT0257TM					
81	0	93	8	GSTG03C6	DESCRIPTION				N				
		0	2	GST01CA1	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01CA2	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01CA3	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01CA4	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01CA5	CDM	UINT	STRING	GSKT0260TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
82	0	94	8	GST01CA6	TS	UINT	STRING	GSKT0261TM	N				
83	0	95	8	GSTG03C7	DESCRIPTION				N				
		0	1	GST01CA7	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01CA8	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01CA9	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01CAA	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01CAB	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01CAC	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01CAD	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01CAE	FDTH	UINT	STRING	GSKT0265TM					
84	0	96	16	GSTG03C8	DESCRIPTION				N				
		0	3	GST01CAF	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01CB0	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01CB1	SIG	UINT	STRING	GSKT0230TM					
85	0	98	8	GSTG03C9	DESCRIPTION				N				
		0	4	GST01CB2	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01CB3	NDS	UINT	STRING	GSKT0254TM					
86	0	99	8	GST01CB4	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
87	0	100	8	GSTG03CA	DESCRIPTION				N				
		0	2	GST01CB5	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01CB6	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01CB7	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01CB8	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01CB9	CRM	UINT	STRING	GSKT0257TM					
88	0	101	8	GSTG03CB	DESCRIPTION				N				
		0	2	GST01CBA	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01CBB	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01CBC	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01CBD	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01CBE	CDM	UINT	STRING	GSKT0260TM					
89	0	102	8	GST01CBF	TS	UINT	STRING	GSKT0261TM	N				
90	0	103	8	GSTG03CC	DESCRIPTION				N				
		0	1	GST01CC0	FRIT	UINT	STRING	GSKT0262TM					



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TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport_ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS			Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		1	1	GST01CC1	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01CC2	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01CC3	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01CC4	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01CC5	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01CC6	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01CC7	FDTH	UINT	STRING	GSKT0265TM					
91	0	104	16	GSTG03CD	DESCRIPTION				N				
		0	3	GST01CC8	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01CC9	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01CCA	SIG	UINT	STRING	GSKT0230TM					
92	0	106	8	GSTG03CE	DESCRIPTION				N				
		0	4	GST01CCB	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01CCC	NDS	UINT	STRING	GSKT0254TM					
93	0	107	8	GST01CCD	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
94	0	108	8	GSTG03CF	DESCRIPTION				N				
		0	2	GST01CCE	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01CCF	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01CD0	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01CD1	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01CD2	CRM	UINT	STRING	GSKT0257TM					
95	0	109	8	GSTG03D0	DESCRIPTION				N				
		0	2	GST01CD3	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01CD4	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01CD5	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01CD6	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01CD7	CDM	UINT	STRING	GSKT0260TM					
96	0	110	8	GST01CD8	TS	UINT	STRING	GSKT0261TM	N				
97	0	111	8	GSTG03D1	DESCRIPTION				N				
		0	1	GST01CD9	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01CDA	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01CDB	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01CDC	FRTH	UINT	STRING	GSKT0265TM					





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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport_ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST01CDD	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01CDE	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01CDF	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01CE0	FDTH	UINT	STRING	GSKT0265TM					
98	0	112	16	GSTG03D2	DESCRIPTION				N				
		0	3	GST01CE1	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01CE2	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01CE3	SIG	UINT	STRING	GSKT0230TM					
99	0	114	8	GSTG03D3	DESCRIPTION				N				
		0	4	GST01CE4	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01CE5	NDS	UINT	STRING	GSKT0254TM					
100	0	115	8	GST01CE6	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
101	0	116	8	GSTG03D4	DESCRIPTION				N				
		0	2	GST01CE7	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01CE8	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01CE9	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01CEA	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01CEB	CRM	UINT	STRING	GSKT0257TM					
102	0	117	8	GSTG03D5	DESCRIPTION				N				
		0	2	GST01CEC	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01CED	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01CEE	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01CEF	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01CF0	CDM	UINT	STRING	GSKT0260TM					
103	0	118	8	GST01CF1	TS	UINT	STRING	GSKT0261TM	N				
104	0	119	8	GSTG03D6	DESCRIPTION				N				
		0	1	GST01CF2	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01CF3	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01CF4	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01CF5	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01CF6	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01CF7	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01CF8	FDSP	UINT	STRING	GSKT0267TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport_ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		7	1	GST01CF9	FDTH	UINT	STRING	GSKT0265TM					
105	0	120	16	GSTG03D7	DESCRIPTION				N				
		0	3	GST01CFA	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01CFB	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01CFC	SIG	UINT	STRING	GSKT0230TM					
106	0	122	8	GSTG03D8	DESCRIPTION				N				
		0	4	GST01CFD	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01CFE	NDS	UINT	STRING	GSKT0254TM					
107	0	123	8	GST01CFF	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
108	0	124	8	GSTG03D9	DESCRIPTION				N				
		0	2	GST01D00	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D01	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D02	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01D03	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01D04	CRM	UINT	STRING	GSKT0257TM					
109	0	125	8	GSTG03DA	DESCRIPTION				N				
		0	2	GST01D05	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D06	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D07	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01D08	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01D09	CDM	UINT	STRING	GSKT0260TM					
110	0	126	8	GST01D0A	TS	UINT	STRING	GSKT0261TM	N				
111	0	127	8	GSTG03DB	DESCRIPTION				N				
		0	1	GST01D0B	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01D0C	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01D0D	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01D0E	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01D0F	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01D10	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01D11	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01D12	FDTH	UINT	STRING	GSKT0265TM					
112	0	128	16	GSTG03DC	DESCRIPTION				N				
		0	3	GST01D13	CONS	UINT	INTEGER	Z_IDENTITY					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		3	8	GST01D14	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01D15	SIG	UINT	STRING	GSKT0230TM					
113	0	130	8	GSTG03DD	DESCRIPTION				N				
		0	4	GST01D16	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01D17	NDS	UINT	STRING	GSKT0254TM					
114	0	131	8	GST01D18	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
115	0	132	8	GSTG03DE	DESCRIPTION				N				
		0	2	GST01D19	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D1A	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D1B	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01D1C	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01D1D	CRM	UINT	STRING	GSKT0257TM					
116	0	133	8	GSTG03DF	DESCRIPTION				N				
		0	2	GST01D1E	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D1F	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D20	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01D21	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01D22	CDM	UINT	STRING	GSKT0260TM					
117	0	134	8	GST01D23	TS	UINT	STRING	GSKT0261TM	N				
118	0	135	8	GSTG03E0	DESCRIPTION				N				
		0	1	GST01D24	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01D25	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01D26	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01D27	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01D28	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01D29	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01D2A	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01D2B	FDTH	UINT	STRING	GSKT0265TM					
119	0	136	16	GSTG03E1	DESCRIPTION				N				
		0	3	GST01D2C	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01D2D	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01D2E	SIG	UINT	STRING	GSKT0230TM					
120	0	138	8	GSTG03E2	DESCRIPTION				N				



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport_ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		0	4	GST01D2F	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01D30	NDS	UINT	STRING	GSKT0254TM					
121	0	139	8	GST01D31	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
122	0	140	8	GSTG03E3	DESCRIPTION				N				
		0	2	GST01D32	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D33	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D34	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01D35	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01D36	CRM	UINT	STRING	GSKT0257TM					
123	0	141	8	GSTG03E4	DESCRIPTION				N				
		0	2	GST01D37	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D38	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D39	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01D3A	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01D3B	CDM	UINT	STRING	GSKT0260TM					
124	0	142	8	GST01D3C	TS	UINT	STRING	GSKT0261TM	N				
125	0	143	8	GSTG03E5	DESCRIPTION				N				
		0	1	GST01D3D	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01D3E	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01D3F	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01D40	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01D41	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01D42	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01D43	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01D44	FDTH	UINT	STRING	GSKT0265TM					
126	0	144	16	GSTG03E6	DESCRIPTION				N				
		0	3	GST01D45	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01D46	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01D47	SIG	UINT	STRING	GSKT0230TM					
127	0	146	8	GSTG03E7	DESCRIPTION				N				
		0	4	GST01D48	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01D49	NDS	UINT	STRING	GSKT0254TM					
128	0	147	8	GST01D4A	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport_ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS			Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
129	0	148	8	GSTG03E8	DESCRIPTION				N				
		0	2	GST01D4B	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D4C	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D4D	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01D4E	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01D4F	CRM	UINT	STRING	GSKT0257TM					
130	0	149	8	GSTG03E9	DESCRIPTION				N				
		0	2	GST01D50	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D51	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D52	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01D53	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01D54	CDM	UINT	STRING	GSKT0260TM					
131	0	150	8	GST01D55	TS	UINT	STRING	GSKT0261TM	N				
132	0	151	8	GSTG03EA	DESCRIPTION				N				
		0	1	GST01D56	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01D57	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01D58	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01D59	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01D5A	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01D5B	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01D5C	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01D5D	FDTH	UINT	STRING	GSKT0265TM					
133	0	152	16	GSTG03EB	DESCRIPTION				N				
		0	3	GST01D5E	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01D5F	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01D60	SIG	UINT	STRING	GSKT0230TM					
134	0	154	8	GSTG03EC	DESCRIPTION				N				
		0	4	GST01D61	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01D62	NDS	UINT	STRING	GSKT0254TM					
135	0	155	8	GST01D63	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
136	0	156	8	GSTG03ED	DESCRIPTION				N				
		0	2	GST01D64	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D65	CRBW	UINT	INTEGER	Z_IDENTITY					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST01D66	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01D67	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01D68	CRM	UINT	STRING	GSKT0257TM					
137	0	157	8	GSTG03EE	DESCRIPTION				N				
		0	2	GST01D69	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D6A	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D6B	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01D6C	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01D6D	CDM	UINT	STRING	GSKT0260TM					
138	0	158	8	GST01D6E	TS	UINT	STRING	GSKT0261TM	N				
139	0	159	8	GSTG03EF	DESCRIPTION				N				
		0	1	GST01D6F	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01D70	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01D71	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01D72	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01D73	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01D74	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01D75	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01D76	FDTH	UINT	STRING	GSKT0265TM					
140	0	160	16	GSTG03F0	DESCRIPTION				N				
		0	3	GST01D77	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01D78	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01D79	SIG	UINT	STRING	GSKT0230TM					
141	0	162	8	GSTG03F1	DESCRIPTION				N				
		0	4	GST01D7A	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01D7B	NDS	UINT	STRING	GSKT0254TM					
142	0	163	8	GST01D7C	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
143	0	164	8	GSTG03F2	DESCRIPTION				N				
		0	2	GST01D7D	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D7E	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D7F	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01D80	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01D81	CRM	UINT	STRING	GSKT0257TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
144	0	165	8	GSTG03F3	DESCRIPTION				N				
		0	2	GST01D82	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D83	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D84	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01D85	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01D86	CDM	UINT	STRING	GSKT0260TM					
145	0	166	8	GST01D87	TS	UINT	STRING	GSKT0261TM	N				
146	0	167	8	GSTG03F4	DESCRIPTION				N				
		0	1	GST01D88	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01D89	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01D8A	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01D8B	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01D8C	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01D8D	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01D8E	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01D8F	FDTH	UINT	STRING	GSKT0265TM					
147	0	168	16	GSTG03F5	DESCRIPTION				N				
		0	3	GST01D90	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01D91	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01D92	SIG	UINT	STRING	GSKT0230TM					
148	0	170	8	GSTG03F6	DESCRIPTION				N				
		0	4	GST01D93	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01D94	NDS	UINT	STRING	GSKT0254TM					
149	0	171	8	GST01D95	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
150	0	172	8	GSTG03F7	DESCRIPTION				N				
		0	2	GST01D96	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D97	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01D98	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01D99	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01D9A	CRM	UINT	STRING	GSKT0257TM					
151	0	173	8	GSTG03F8	DESCRIPTION				N				
		0	2	GST01D9B	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01D9C	CDBW	UINT	INTEGER	Z_IDENTITY					



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TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport_ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS			Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST01D9D	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01D9E	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01D9F	CDM	UINT	STRING	GSKT0260TM					
152	0	174	8	GST01DA0	TS	UINT	STRING	GSKT0261TM	N				
153	0	175	8	GSTG03F9	DESCRIPTION				N				
		0	1	GST01DA1	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01DA2	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01DA3	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01DA4	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01DA5	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01DA6	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01DA7	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01DA8	FDTH	UINT	STRING	GSKT0265TM					
154	0	176	16	GSTG03FA	DESCRIPTION				N				
		0	3	GST01DA9	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01DAA	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01DAB	SIG	UINT	STRING	GSKT0230TM					
155	0	178	8	GSTG03FB	DESCRIPTION				N				
		0	4	GST01DAC	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01DAD	NDS	UINT	STRING	GSKT0254TM					
156	0	179	8	GST01DAE	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
157	0	180	8	GSTG03FC	DESCRIPTION				N				
		0	2	GST01DAF	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01DB0	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01DB1	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01DB2	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01DB3	CRM	UINT	STRING	GSKT0257TM					
158	0	181	8	GSTG03FD	DESCRIPTION				N				
		0	2	GST01DB4	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01DB5	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01DB6	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01DB7	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01DB8	CDM	UINT	STRING	GSKT0260TM					





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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
159	0	182	8	GST01DB9	TS	UINT	STRING	GSKT0261TM	N				
160	0	183	8	GSTG03FE	DESCRIPTION				N				
		0	1	GST01DBA	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01DBB	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01DBC	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01DBD	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01DBE	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01DBF	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01DC0	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01DC1	FDTH	UINT	STRING	GSKT0265TM					
161	0	184	16	GSTG03FF	DESCRIPTION				N				
		0	3	GST01DC2	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01DC3	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01DC4	SIG	UINT	STRING	GSKT0230TM					
162	0	186	8	GSTG0400	DESCRIPTION				N				
		0	4	GST01DC5	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01DC6	NDS	UINT	STRING	GSKT0254TM					
163	0	187	8	GST01DC7	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
164	0	188	8	GSTG0401	DESCRIPTION				N				
		0	2	GST01DC8	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01DC9	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01DCA	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01DCB	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01DCC	CRM	UINT	STRING	GSKT0257TM					
165	0	189	8	GSTG0402	DESCRIPTION				N				
		0	2	GST01DCD	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01DCE	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01DCF	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01DD0	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01DD1	CDM	UINT	STRING	GSKT0260TM					
166	0	190	8	GST01DD2	TS	UINT	STRING	GSKT0261TM	N				
167	0	191	8	GSTG0403	DESCRIPTION				N				
		0	1	GST01DD3	FRIT	UINT	STRING	GSKT0262TM					



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TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	CHN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		1	1	GST01DD4	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01DD5	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01DD6	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST01DD7	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01DD8	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01DD9	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01DDA	FDTH	UINT	STRING	GSKT0265TM					
168	0	192	16	GSTG0404	DESCRIPTION				N				
		0	3	GST01DDB	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01DDC	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01DDD	SIG	UINT	STRING	GSKT0230TM					
169	0	194	8	GSTG0405	DESCRIPTION				N				
		0	4	GST01DDE	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01DDF	NDS	UINT	STRING	GSKT0254TM					
170	0	195	8	GST01DE0	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
171	0	196	8	GSTG0406	DESCRIPTION				N				
		0	2	GST01DE1	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01DE2	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01DE3	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST01DE4	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST01DE5	CRM	UINT	STRING	GSKT0257TM					
172	0	197	8	GSTG0407	DESCRIPTION				N				
		0	2	GST01DE6	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST01DE7	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01DE8	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST01DE9	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST01DEA	CDM	UINT	STRING	GSKT0260TM					
173	0	198	8	GST01DEB	TS	UINT	STRING	GSKT0261TM	N				
174	0	199	8	GSTG0408	DESCRIPTION				N				
		0	1	GST01DEC	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST01DED	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST01DEE	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST01DEF	FRTH	UINT	STRING	GSKT0265TM					



# Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
Page: 23 of 23

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[Byte]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37113	N_ScienceDataReport__ChannelStatus_25_	212	1	48	12	780	Y	214	FIXED	GST01AE8	HN_STATUS		Y	37113	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST01DF0	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST01DF1	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST01DF2	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST01DF3	FDTH	UINT	STRING	GSKT0265TM					



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 1 of 24

Name: GSKT0230TM Descr: SIG

**Referenced by:**

From To Text

GST01B9E SIG  
GST01BB7 SIG  
GST01BD0 SIG  
GST01BE9 SIG  
GST01C02 SIG  
GST01C1B SIG  
GST01C34 SIG  
GST01C4D SIG  
GST01C66 SIG  
GST01C7F SIG  
GST01C98 SIG  
GST01CB1 SIG  
GST01CCA SIG  
GST01CE3 SIG  
GST01CFC SIG  
GST01D15 SIG  
GST01D2E SIG  
GST01D47 SIG  
GST01D60 SIG  
GST01D79 SIG  
GST01D92 SIG  
GST01DAB SIG  
GST01DC4 SIG  
GST01DDD SIG

0 GPS\_L1\_CA  
1 GPS\_L1\_P  
2 GPS\_L2\_CA  
3 GPS\_L2\_P  
4 GPS\_L2\_CM  
5 GPS\_L2\_CL  
6 NO\_SIGNAL



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 2 of 24

Name: GSKT0231TM Descr: ANT

**Referenced by:**

From To Text

GST01B9F ANT  
GST01BB8 ANT  
GST01BD1 ANT  
GST01BEA ANT  
GST01C03 ANT  
GST01C1C ANT  
GST01C35 ANT  
GST01C4E ANT  
GST01C67 ANT  
GST01C80 ANT  
GST01C99 ANT  
GST01CB2 ANT  
GST01CCB ANT  
GST01CE4 ANT  
GST01CFD ANT  
GST01D16 ANT  
GST01D2F ANT  
GST01D48 ANT  
GST01D61 ANT  
GST01D7A ANT  
GST01D93 ANT  
GST01DAC ANT  
GST01DC5 ANT  
GST01DDE ANT

0 FIRST\_ANTENNA  
1 SECOND\_ANTENNA

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 3 of 24

Name: GSKT0254TM Descr: NDS

**Referenced by:**

From To Text

GST01BA0 NDS  
GST01BB9 NDS  
GST01BD2 NDS  
GST01BEB NDS  
GST01C04 NDS  
GST01C1D NDS  
GST01C36 NDS  
GST01C4F NDS  
GST01C68 NDS  
GST01C81 NDS  
GST01C9A NDS  
GST01CB3 NDS  
GST01CCC NDS  
GST01CE5 NDS  
GST01CFE NDS  
GST01D17 NDS  
GST01D30 NDS  
GST01D49 NDS  
GST01D62 NDS  
GST01D7B NDS  
GST01D94 NDS  
GST01DAD NDS  
GST01DC6 NDS  
GST01DDF NDS

0 NOT\_SYNC  
1 SYNC\_NAVDATA\_N  
2 INVALID  
3 SYNC\_NAVDATA\_I



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 4 of 24

Name: GSKT0255TM Descr: CRD

**Referenced by:**

From To Text

GST01BA4 CRD  
GST01BBD CRD  
GST01BD6 CRD  
GST01BEF CRD  
GST01C08 CRD  
GST01C21 CRD  
GST01C3A CRD  
GST01C53 CRD  
GST01C6C CRD  
GST01C85 CRD  
GST01C9E CRD  
GST01CB7 CRD  
GST01CD0 CRD  
GST01CE9 CRD  
GST01D02 CRD  
GST01D1B CRD  
GST01D34 CRD  
GST01D4D CRD  
GST01D66 CRD  
GST01D7F CRD  
GST01D98 CRD  
GST01DB1 CRD  
GST01DCA CRD  
GST01DE3 CRD

0 NO\_DETERIORATI  
1 DETERIORATION

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 5 of 24

Name: GSKT0256TM Descr: CRL

**Referenced by:**

From To Text

GST01BA5 CRL  
GST01BBE CRL  
GST01BD7 CRL  
GST01BF0 CRL  
GST01C09 CRL  
GST01C22 CRL  
GST01C3B CRL  
GST01C54 CRL  
GST01C6D CRL  
GST01C86 CRL  
GST01C9F CRL  
GST01CB8 CRL  
GST01CD1 CRL  
GST01CEA CRL  
GST01D03 CRL  
GST01D1C CRL  
GST01D35 CRL  
GST01D4E CRL  
GST01D67 CRL  
GST01D80 CRL  
GST01D99 CRL  
GST01DB2 CRL  
GST01DCB CRL  
GST01DE4 CRL

0 NOT\_LOCKED  
1 LOCKED

---





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 6 of 24

Name: GSKT0257TM Descr: CRM

**Referenced by:**

From To Text

GST01BA6 CRM  
GST01BBF CRM  
GST01BD8 CRM  
GST01BF1 CRM  
GST01C0A CRM  
GST01C23 CRM  
GST01C3C CRM  
GST01C55 CRM  
GST01C6E CRM  
GST01C87 CRM  
GST01CA0 CRM  
GST01CB9 CRM  
GST01CD2 CRM  
GST01CEB CRM  
GST01D04 CRM  
GST01D1D CRM  
GST01D36 CRM  
GST01D4F CRM  
GST01D68 CRM  
GST01D81 CRM  
GST01D9A CRM  
GST01DB3 CRM  
GST01DCC CRM  
GST01DE5 CRM

0 NO\_ACTIVITIES  
1 ACQUISITION  
2 TRACKING  
3 ACQUISITION\_ER

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 7 of 24

Name: GSKT0258TM Descr: CDD

**Referenced by:**

From To Text

GST01BA9 CDD  
GST01BC2 CDD  
GST01BDB CDD  
GST01BF4 CDD  
GST01C0D CDD  
GST01C26 CDD  
GST01C3F CDD  
GST01C58 CDD  
GST01C71 CDD  
GST01C8A CDD  
GST01CA3 CDD  
GST01CBC CDD  
GST01CD5 CDD  
GST01CEE CDD  
GST01D07 CDD  
GST01D20 CDD  
GST01D39 CDD  
GST01D52 CDD  
GST01D6B CDD  
GST01D84 CDD  
GST01D9D CDD  
GST01DB6 CDD  
GST01DCF CDD  
GST01DE8 CDD

0 NO\_DETERIORATI  
1 DETERIORATION

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 8 of 24

Name: GSKT0259TM Descr: CDL

**Referenced by:**

From To Text

GST01BAA CDL  
GST01BC3 CDL  
GST01BDC CDL  
GST01BF5 CDL  
GST01C0E CDL  
GST01C27 CDL  
GST01C40 CDL  
GST01C59 CDL  
GST01C72 CDL  
GST01C8B CDL  
GST01CA4 CDL  
GST01CBD CDL  
GST01CD6 CDL  
GST01CEF CDL  
GST01D08 CDL  
GST01D21 CDL  
GST01D3A CDL  
GST01D53 CDL  
GST01D6C CDL  
GST01D85 CDL  
GST01D9E CDL  
GST01DB7 CDL  
GST01DD0 CDL  
GST01DE9 CDL

0 NOT\_LOCKED  
1 LOCKED

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 9 of 24

Name: GSKT0260TM Descr: CDM

**Referenced by:**

From To Text

GST01BAB CDM  
GST01BC4 CDM  
GST01BDD CDM  
GST01BF6 CDM  
GST01C0F CDM  
GST01C28 CDM  
GST01C41 CDM  
GST01C5A CDM  
GST01C73 CDM  
GST01C8C CDM  
GST01CA5 CDM  
GST01CBE CDM  
GST01CD7 CDM  
GST01CF0 CDM  
GST01D09 CDM  
GST01D22 CDM  
GST01D3B CDM  
GST01D54 CDM  
GST01D6D CDM  
GST01D86 CDM  
GST01D9F CDM  
GST01DB8 CDM  
GST01DD1 CDM  
GST01DEA CDM

0 NO\_ACTIVITIES  
1 ACQUISITION  
2 TRACKING  
3 ACQUISITION\_ER

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0261TM Descr: TS

**Referenced by:**

From	To	Text
		GST01BAC TS
		GST01BC5 TS
		GST01BDE TS
		GST01BF7 TS
		GST01C10 TS
		GST01C29 TS
		GST01C42 TS
		GST01C5B TS
		GST01C74 TS
		GST01C8D TS
		GST01CA6 TS
		GST01CBF TS
		GST01CD8 TS
		GST01CF1 TS
		GST01D0A TS
		GST01D23 TS
		GST01D3C TS
		GST01D55 TS
		GST01D6E TS
		GST01D87 TS
		GST01DA0 TS
		GST01DB9 TS
		GST01DD2 TS
		GST01DEB TS

0	CA_INIT
1	CA_WAIT_PPS
2	CA_DISPATCH
3	CA_COLD_INIT
4	CA_COLD_WAIT_I
5	COLD_WAIT_ME_1
6	CA_COLD_MFC_SY
7	COLD_WAIT_ME_2
8	CA_COLD_START_
9	CA_COLD_1ST_DW
10	CA_FST_WARM_IN
11	CA_WARM_WAIT_I
12	CA_WARM_WAIT_M
13	CA_WARM_MFC_SY
14	CA_WARM_START_
15	CA_WARM_1ST_DW
16	_2D_RUN_WAIT_M
17	_2D_RUN_WAIT_I
18	CA_2ND_RUN_STA
19	CA_COLD_ACQ_FB
20	CA_FST_WARM_AC
21	CA_WARM_ACQ_FB
22	CA_DEFAULT_ACQ
23	CA_CODE_TRACKI



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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24	CA_WARM_INIT
25	CA_DEFAULT_INI
26	CA_DEF_WAIT_IE
27	CA_DEF_WAIT_ME
28	DEF_WAIT_IE_IM
29	CA_DEF_START_S
30	DEF_1ST_DWELL
31	DEF_1_DWELL_WA
32	CA_CHANGE_DELA
33	CA_WAIT_CODE_L
34	CA_CODE_LOCK_C
35	CA_CODE_BW_RED
36	CA_PREP_FFT_SA
37	CA_COLL_FFT_SA
38	CA_WAIT_CARR_L
39	CA_CARR_LOCK_C
40	CA_CARR_BW_RED
41	COR_SPAC_6CC_4
42	COR_SPAC_4CC_2
43	CA_PREP_1ST_TI
44	CA_INIT_1ST_TI
45	CA_EXEC_1ST_TI
46	CA_TRACKING_ST
47	CA_EXEC_1ST_PA
48	CA_PREP_2ND_TI
49	CA_INIT_2ND_TI
50	CA_EXEC_2ND_TI
51	CA_EXEC_2ND_PA
52	CA_PREP_3RD_TI
53	CA_INIT_3RD_TI
54	CA_EXEC_3RD_TI
55	CA_EXEC_3RD_PA
56	CA_STEADY
57	P1_INIT
58	P1_WAIT_IE
59	P1_PREP_TINT_C
60	P1_INIT_TINT_C
61	P1_EXEC_TINT_C
62	P1_WAIT_CODE_L
63	P1_CODE_LOCK_C
64	P1_CODE_BW_RED
65	P1_TRACKING_ST
66	P1_EXEC_1ST_PA
67	P1_PREP_2ND_TI
68	P1_INIT_2ND_TI
69	P1_EXEC_2ND_TI
70	P1_EXEC_2ND_PA
71	P1_PREP_3RD_TI
72	P1_INIT_3RD_TI
73	P1_EXEC_3RD_TI
74	P1_EXEC_3RD_PA



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Database: SISS2MAS  
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75	P1_STEADY
76	P2_INIT
77	P2_WAIT_IE
78	P2_PREP_TINT_C
79	P2_INIT_TINT_C
80	P2_EXEC_TINT_C
81	P2_WAIT_RETRY_
82	P2_INIT_CCC
83	P2_WRITE_P_COD
84	P2_RECOVER_P1_
85	P2_RECOVER_P2_
86	P2__START_CODE
87	P2_WRITE_CYCLE
88	P2_WAIT_ME
89	P2_START_SHIFT
90	P2_1ST_DWELL
91	P2_1ST_DWELL_W
92	P2_WAIT_CODE_L
93	P2_CODE_LOCK_C
94	P2_CODE_BW_RED
95	P2_PREP_FFT_SA
96	P2_COLL_FFT_SA
97	P2_WAIT_CARR_L
98	P2_CARR_LOCK_C
99	P2_CARR_BW_RED
100	P2_TRACKING_ST
101	P2_EXEC_1ST_PA
102	P2_PREP_2ND_TI
103	P2_INIT_2ND_TI
104	P2_EXEC_2ND_TI
105	P2_EXEC_2ND_PA
106	P2_PREP_3RD_TI
107	P2_INIT_3RD_TI
108	P2_EXEC_3RD_TI
109	P2_EXEC_3RD_PA
110	P2_STEADY
111	SLAVE_INIT
112	SL_WAIT_ME
113	SL_START_SHIFT
114	SL_WAIT_IE_IMT
115	SL_WAIT_IE
116	SL_PREP_1ST_TI
117	SL_INIT_1ST_TI
118	SL_EXEC_1ST_TI
119	SL_TIMESLOT_WA
120	SL_START_CODEG
121	SL_ACQ_FB
122	SL_CODE_TRACKI
123	SL_1ST_DWELL
124	SL_1ST_DWELL_W
125	SL_CHANGE_DELA



## Sentinel-2 SRDB Database Extract

TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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126	SL_WAIT_CODE_L
127	SL_CODE_LOCK_C
128	SL_CODE_BW_RED
129	SL_PREP_FFT_SA
130	SL_COLL_FFT_SA
131	SL_WAIT_CARR_L
132	SL_CARR_LOCK_C
133	SL_CARR_BW_RED
134	S_CO_SP_6CC_4C
135	S_CO_SP_4CC_2C
136	SL_TRACKING_ST
137	SL_EXEC_1ST_PA
138	SL_PREP_2ND_TI
139	SL_INIT_2ND_TI
140	SL_EXEC_2ND_TI
141	SL_EXEC_2ND_PA
142	SL_PREP_3RD_TI
143	SL_INIT_3RD_TI
144	SL_EXEC_3RD_TI
145	SL_EXEC_3RD_PA
146	SL_STEADY
147	COD_ACQ_ERROR
148	COD_ACQ_ERR_RE
149	CAR_ACQ_ERROR
150	CAR_ACQ_ERR_RE
151	STOPPED
152	STOPPED_REPORT

---





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 14 of 24

Name: GSKT0262TM Descr: FRIT

**Referenced by:**

From To Text

GST01BAD FRIT  
GST01BC6 FRIT  
GST01BDF FRIT  
GST01BF8 FRIT  
GST01C11 FRIT  
GST01C2A FRIT  
GST01C43 FRIT  
GST01C5C FRIT  
GST01C75 FRIT  
GST01C8E FRIT  
GST01CA7 FRIT  
GST01CC0 FRIT  
GST01CD9 FRIT  
GST01CF2 FRIT  
GST01D0B FRIT  
GST01D24 FRIT  
GST01D3D FRIT  
GST01D56 FRIT  
GST01D6F FRIT  
GST01D88 FRIT  
GST01DA1 FRIT  
GST01DBA FRIT  
GST01DD3 FRIT  
GST01DEC FRIT

0 NOT\_FINAL\_INTE  
1 INTEGRATION\_TI



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Page: 15 of 24

Name: GSKT0263TM Descr: FRBW

**Referenced by:**

From To Text

GST01BAE FRBW  
GST01BB2 FDBW  
GST01BC7 FRBW  
GST01BCB FDBW  
GST01BE0 FRBW  
GST01BE4 FDBW  
GST01BF9 FRBW  
GST01BFD FDBW  
GST01C12 FRBW  
GST01C16 FDBW  
GST01C2B FRBW  
GST01C2F FDBW  
GST01C44 FRBW  
GST01C48 FDBW  
GST01C5D FRBW  
GST01C61 FDBW  
GST01C76 FRBW  
GST01C7A FDBW  
GST01C8F FRBW  
GST01C93 FDBW  
GST01CA8 FRBW  
GST01CAC FDBW  
GST01CC1 FRBW  
GST01CC5 FDBW  
GST01CDA FRBW  
GST01CDE FDBW  
GST01CF3 FRBW  
GST01CF7 FDBW  
GST01D0C FRBW  
GST01D10 FDBW  
GST01D25 FRBW  
GST01D29 FDBW  
GST01D3E FRBW  
GST01D42 FDBW  
GST01D57 FRBW  
GST01D5B FDBW  
GST01D70 FRBW  
GST01D74 FDBW  
GST01D89 FRBW  
GST01D8D FDBW  
GST01DA2 FRBW  
GST01DA6 FDBW  
GST01DBB FRBW  
GST01DBF FDBW  
GST01DD4 FRBW  
GST01DD8 FDBW  
GST01DED FRBW  
GST01DF1 FDBW



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Page: 16 of 24

0 NO\_FINAL\_BANDW  
1 BANDWIDTH\_APPLI

Name: GSKT0264TM Descr: FRDS

**Referenced by:**

From To Text

GST01BAF FRDS  
GST01BC8 FRDS  
GST01BE1 FRDS  
GST01BFA FRDS  
GST01C13 FRDS  
GST01C2C FRDS  
GST01C45 FRDS  
GST01C5E FRDS  
GST01C77 FRDS  
GST01C90 FRDS  
GST01CA9 FRDS  
GST01CC2 FRDS  
GST01CDB FRDS  
GST01CF4 FRDS  
GST01D0D FRDS  
GST01D26 FRDS  
GST01D3F FRDS  
GST01D58 FRDS  
GST01D71 FRDS  
GST01D8A FRDS  
GST01DA3 FRDS  
GST01DBC FRDS  
GST01DD5 FRDS  
GST01DEE FRDS

0 NO\_FINAL\_DISCR  
1 DISCRIMINATOR\_



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 17 of 24

Name: GSKT0265TM Descr: FRTH

**Referenced by:**

From To Text

GST01BB0 FRTH  
GST01BB4 FDTH  
GST01BC9 FRTH  
GST01BCD FDTH  
GST01BE2 FRTH  
GST01BE6 FDTH  
GST01BFB FRTH  
GST01BFF FDTH  
GST01C14 FRTH  
GST01C18 FDTH  
GST01C2D FRTH  
GST01C31 FDTH  
GST01C46 FRTH  
GST01C4A FDTH  
GST01C5F FRTH  
GST01C63 FDTH  
GST01C78 FRTH  
GST01C7C FDTH  
GST01C91 FRTH  
GST01C95 FDTH  
GST01CAA FRTH  
GST01CAE FDTH  
GST01CC3 FRTH  
GST01CC7 FDTH  
GST01CDC FRTH  
GST01CE0 FDTH  
GST01CF5 FRTH  
GST01CF9 FDTH  
GST01D0E FRTH  
GST01D12 FDTH  
GST01D27 FRTH  
GST01D2B FDTH  
GST01D40 FRTH  
GST01D44 FDTH  
GST01D59 FRTH  
GST01D5D FDTH  
GST01D72 FRTH  
GST01D76 FDTH  
GST01D8B FRTH  
GST01D8F FDTH  
GST01DA4 FRTH  
GST01DA8 FDTH  
GST01DBD FRTH  
GST01DC1 FDTH  
GST01DD6 FRTH  
GST01DDA FDTH  
GST01DEF FRTH  
GST01DF3 FDTH



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 18 of 24

0 NO\_FINAL\_THRES  
1 THRESHOLD\_APPL

Name: GSKT0266TM Descr: FDIT

**Referenced by:**

From To Text

GST01BB1 FDIT  
GST01BCA FDIT  
GST01BE3 FDIT  
GST01BFC FDIT  
GST01C15 FDIT  
GST01C2E FDIT  
GST01C47 FDIT  
GST01C60 FDIT  
GST01C79 FDIT  
GST01C92 FDIT  
GST01CAB FDIT  
GST01CC4 FDIT  
GST01CDD FDIT  
GST01CF6 FDIT  
GST01D0F FDIT  
GST01D28 FDIT  
GST01D41 FDIT  
GST01D5A FDIT  
GST01D73 FDIT  
GST01D8C FDIT  
GST01DA5 FDIT  
GST01DBE FDIT  
GST01DD7 FDIT  
GST01DF0 FDIT

0 NO\_FINAL\_INTEG  
1 APPLIED\_INTEGR



# Sentinel-2

## SRDB Database Extract

TM Textual Calibration Curves

Date: 21.11.2011  
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Database: SISS2MAS  
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Name: GSKT0267TM Descr: FDSP

Referenced by:

From	To	Text
		GST01BB3 FDSP
		GST01BCC FDSP
		GST01BE5 FDSP
		GST01BFE FDSP
		GST01C17 FDSP
		GST01C30 FDSP
		GST01C49 FDSP
		GST01C62 FDSP
		GST01C7B FDSP
		GST01C94 FDSP
		GST01CAD FDSP
		GST01CC6 FDSP
		GST01CDF FDSP
		GST01CF8 FDSP
		GST01D11 FDSP
		GST01D2A FDSP
		GST01D43 FDSP
		GST01D5C FDSP
		GST01D75 FDSP
		GST01D8E FDSP
		GST01DA7 FDSP
		GST01DC0 FDSP
		GST01DD9 FDSP
		GST01DF2 FDSP
0		NO_FINAL_CORRE
1		CORRELATOR_SPA

Name: GSKT0293TM Descr: SID

Referenced by:

From	To	Text
		GST01AE8 SID
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
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Date: 21.11.2011  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST01B96 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Database: SISS2MAS  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
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Date: 21.11.2011  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST01B99 V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST01B9A R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37114	N_ScienceDataReport__CarrierAmplitude_2_	212	1	48	6	774	Y	30	VAR_WI	GST01688	CARR_AMPL			Y	37114	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST01688	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST01E08	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST01E09	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST01E0A	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG0409	DESCRIPTION				N	N	1	L	N
		0	4	GST01E0B	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01E0C	V	UINT	STRING	GSKT0299TM					
		5	3	GST01E0D	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST01E0E	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG040A	DESCRIPTION				N	N	1	L	N
		0	3	GST01E0F	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01E10	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01E11	SIG	UINT	STRING	GSKT0230TM					
8	1	10	8	GSTG040B	DESCRIPTION				N	N	1	L	N
		0	4	GST01E12	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST01E13	N_U_2	UINT	INTEGER	Z_IDENTITY					
9	1	11	8	GST01E14	SF_CHN	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
10	1	12	16	GST01E15	C_N_0	SINT	INTEGER	GSKP0268TM	N	N	1	L	N
11	1	14	16	GST01E16	AMPL	SINT	INTEGER	GSKP0269TM	N	N	1	L	N



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
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**Name:** GSKP0268TM **Descr:** C\_N\_0

**Referenced by:**

**Unit:** dBHz **X** **Y**

GST01E15 C\_N\_0

**Modelname:** GENERIC

-32768 -327.68  
32767 327.67

**Name:** GSKP0269TM **Descr:** AMPL

**Referenced by:**

**Unit:** dB **X** **Y**

GST01E16 AMPL

**Modelname:** GENERIC

-32768 -327.68  
32767 327.67



# Sentinel-2

## SRDB Database Extract

TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0230TM Descr: SIG

Referenced by:  
GST01E11 SIG

From	To	Text
0		GPS_L1_CA
1		GPS_L1_P
2		GPS_L2_CA
3		GPS_L2_P
4		GPS_L2_CM
5		GPS_L2_CL
6		NO_SIGNAL

Name: GSKT0231TM Descr: ANT

Referenced by:  
GST01E12 ANT

From	To	Text
0		FIRST_ANTENNA
1		SECOND_ANTENNA

Name: GSKT0293TM Descr: SID

Referenced by:  
GST01688 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST01E09 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST01E0C V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST01E0D R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37115	N_ScienceDataReport__NoiseHistogram_3_	212	1	48	12	780	Y	94	FIXED	GST01AE8	NOISE_HIST		Y	37115	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST01AE8	SID	UINT	STRING	GSKT0293TM	N				
2	0	1	24	GST01E2B	FILLER	UINT	INTEGER	Z_IDENTITY	N				
3	0	4	8	GST01E2C	FE_TEMP	UINT	STRING	GSKT0298TM	N				
4	0	5	8	GST01E2D	ID	UINT	INTEGER	Z_IDENTITY	N				
5	0	6	8	GSTG040C	DESCRIPTION				N				
		0	4	GST01E2E	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01E2F	V	UINT	STRING	GSKT0299TM					
		5	3	GST01E30	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST01E31	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	N				
7	0	8	16	GSTG040D	DESCRIPTION				N				
		0	4	GST01E32	CHAIN	UINT	STRING	GSKT0270TM					
		4	12	GST01E33	N_U_2	UINT	INTEGER	Z_IDENTITY					
8	0	10	16	GST01E34	N_POWER	SINT	INTEGER	GSKP0269TM	N				
9	0	12	32	GST01E35	N_U_3	UINT	INTEGER	Z_IDENTITY	N				
10	0	16	16	GST01E36	LVL_I_P3	UINT	INTEGER	Z_IDENTITY	N				
11	0	18	16	GST01E37	LVL_I_P1	UINT	INTEGER	Z_IDENTITY	N				
12	0	20	16	GST01E38	LVL_I_M1	UINT	INTEGER	Z_IDENTITY	N				
13	0	22	16	GST01E39	LVL_I_M3	UINT	INTEGER	Z_IDENTITY	N				
14	0	24	32	GST01E3A	N_U_4	UINT	INTEGER	Z_IDENTITY	N				
15	0	28	32	GST01E3B	N_U_5	UINT	INTEGER	Z_IDENTITY	N				
16	0	32	16	GST01E3C	LVL_Q_P3	UINT	INTEGER	Z_IDENTITY	N				
17	0	34	16	GST01E3D	LVL_Q_P1	UINT	INTEGER	Z_IDENTITY	N				
18	0	36	16	GST01E3E	LVL_Q_M1	UINT	INTEGER	Z_IDENTITY	N				
19	0	38	16	GST01E3F	LVL_Q_M3	UINT	INTEGER	Z_IDENTITY	N				
20	0	40	32	GST01E40	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
21	0	44	16	GSTG040E	DESCRIPTION				N				
		0	4	GST01E41	CHAIN	UINT	STRING	GSKT0270TM					
		4	12	GST01E42	N_U_2	UINT	INTEGER	Z_IDENTITY					
22	0	46	16	GST01E43	N_POWER	SINT	INTEGER	GSKP0269TM	N				
23	0	48	32	GST01E44	N_U_3	UINT	INTEGER	Z_IDENTITY	N				



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## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37115	N_ScienceDataReport__NoiseHistogram_3_	212	1	48	12	780	Y	94	FIXED	GST01AE8	NOISE_HIST			Y	37115	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
24	0	52	16	GST01E45	LVL_I_P3	UINT	INTEGER	Z_IDENTITY	N				
25	0	54	16	GST01E46	LVL_I_P1	UINT	INTEGER	Z_IDENTITY	N				
26	0	56	16	GST01E47	LVL_I_M1	UINT	INTEGER	Z_IDENTITY	N				
27	0	58	16	GST01E48	LVL_I_M3	UINT	INTEGER	Z_IDENTITY	N				
28	0	60	32	GST01E49	N_U_4	UINT	INTEGER	Z_IDENTITY	N				
29	0	64	32	GST01E4A	N_U_5	UINT	INTEGER	Z_IDENTITY	N				
30	0	68	16	GST01E4B	LVL_Q_P3	UINT	INTEGER	Z_IDENTITY	N				
31	0	70	16	GST01E4C	LVL_Q_P1	UINT	INTEGER	Z_IDENTITY	N				
32	0	72	16	GST01E4D	LVL_Q_M1	UINT	INTEGER	Z_IDENTITY	N				
33	0	74	16	GST01E4E	LVL_Q_M3	UINT	INTEGER	Z_IDENTITY	N				
34	0	76	32	GST01E4F	N_U_6	UINT	INTEGER	Z_IDENTITY	N				



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
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**Name:** GSKP0269TM **Descr:** AMPL

**Unit:** dB

**X**

**Y**

**Referenced by:**

GST01E34 N\_POWER  
GST01E43 N\_POWER

**Modelname:** GENERIC

-32768 -327.68  
32767 327.67



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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**Name:** GSKT0270TM **Descr:** CHAIN

**Referenced by:**

GST01E32 CHAIN

GST01E41 CHAIN

From	To	Text
0		ANTENNA_1__L1_
1		ANTENNA_1__L2_

**Name:** GSKT0293TM **Descr:** SID

**Referenced by:**

GST01AE8 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST01E2C FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 4 of 6

132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST01E2F V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST01E30 R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
 Page: 1 of 1

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37116	N_SciD__ScienceDataReport__AGC_Status__	212	1	48	13	781	Y	34	VAR_WI	GST018DF	AGC_STATUS			Y	37116	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST018DF	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST01E64	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST01E65	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST01E66	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG040F	DESCRIPTION				N	N	1	L	N
		0	4	GST01E67	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01E68	V	UINT	STRING	GSKT0299TM					
		5	3	GST01E69	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST01E6A	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	32	GST01E6B	GCTS_MSB	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
8	1	12	32	GST01E6C	GCTS_LSB	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
9	1	16	8	GSTG0410	DESCRIPTION				N	N	1	L	N
		0	4	GST01E6D	CHAIN	UINT	STRING	GSKT0271TM					
		4	1	GST01E6E	N_U	UINT	INTEGER	Z_IDENTITY					
		5	1	GST01E6F	L	UINT	STRING	GSKT0272TM					
		6	1	GST01E70	U	UINT	STRING	GSKT0273TM					
		7	1	GST01E71	E	UINT	STRING	GSKT0274TM					
10	1	17	8	GST01E72	GAIN	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
11	1	18	16	GST01E73	N_U_2	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N



## Sentinel-2 SRDB Database Extract

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page:

Name: GSKT0271TM Descr: CHAIN

Referenced by:  
GST01E6D CHAIN

From	To	Text
0		ANTENNA_1__L1_
1		ANTENNA_1__L2_

Name: GSKT0272TM Descr: L

Referenced by:  
GST01E6F L

From	To	Text
0		NOT_BELOW_LOWE
1		LOWER_SETTLING

Name: GSKT0273TM Descr: U

Referenced by:  
GST01E70 U

From	To	Text
0		NOT_ABOVE_UPPE
1		UPPER_SETTLING

Name: GSKT0274TM Descr: E

Referenced by:  
GST01E71 E

From	To	Text
0		AGC_DISABLED
1		AGC_ENABLED

Name: GSKT0293TM Descr: SID

Referenced by:  
GST018DF SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 2 of 6

Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST01E65 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 3 of 6

81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 4 of 6

132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 5 of 6

183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

**Name:** GSKT0299TM **Descr:** V

**Referenced by:**  
GST01E68 V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

**Name:** GSKT0300TM **Descr:** R\_MODE

**Referenced by:**  
GST01E69 R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
 Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37117	N_ScienceDataReport__GPS_NAV_Almanac_	212	1	48	13	781	Y	58	VAR_WI	GST018DF	PS_NAV_ALM			Y	37117	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST018DF	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST01E88	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST01E89	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST01E8A	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG0411	DESCRIPTION				N	N	1	L	N
		0	4	GST01E8B	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01E8C	V	UINT	STRING	GSKT0299TM					
		5	3	GST01E8D	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST01E8E	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG0412	DESCRIPTION				N	N	1	L	N
		0	3	GST01E8F	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01E90	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01E91	N_U	UINT	INTEGER	Z_IDENTITY					
8	1	10	16	GST01E92	T_REC	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
9	1	12	8	GST01E93	ACQ_SV_ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
10	1	13	8	GST01E94	N_U_2	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
11	1	14	8	GST01E95	WNa	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
12	1	15	8	GSTG0413	DESCRIPTION				N	N	1	L	N
		0	3	GST01E96	NDH	UINT	STRING	GSKT0008TM					
		3	5	GST01E97	SH	UINT	STRING	GSKT0009TM					
13	1	16	16	GST01E98	a_f0	SINT	INTEGER	GSKP0010TM	N	N	1	L	N
14	1	18	16	GST01E99	a_f1	SINT	INTEGER	GSKP0011TM	N	N	1	L	N
15	1	20	8	GST01E9A	N_U_3	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
16	1	21	8	GST01E9B	t_oa	UINT	INTEGER	GSKP0012TM	N	N	1	L	N
17	1	22	16	GST01E9C	E	UINT	INTEGER	GSKP0013TM	N	N	1	L	N
18	1	24	16	GST01E9D	rho_i	SINT	INTEGER	GSKP0014TM	N	N	1	L	N
19	1	26	16	GST01E9E	Omega_DOT	SINT	INTEGER	GSKP0015TM	N	N	1	L	N
20	1	28	32	GST01E9F	Root_A	UINT	INTEGER	GSKP0016TM	N	N	1	L	N
21	1	32	32	GST01EA0	Omega_0	SINT	INTEGER	GSKP0017TM	N	N	1	L	N
22	1	36	32	GST01EA1	w	SINT	INTEGER	GSKP0017TM	N	N	1	L	N



# Sentinel-2

## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
Page: 2 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37117	N_ScienceDataReport__GPS_NAV_Almanac_	212	1	48	13	781	Y	58	VAR_WI	GST018DF	P	S_NAV_ALM		Y	37117	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
23	1	40	32	GST01EA2	M_0	SINT	INTEGER	GSKP0017TM	N	N	1	L	N



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 2

**Name:** GSKP0010TM **Descr:** a\_f0

**Referenced by:**

**Unit:** s X Y

GST01E98 a\_f0

**Modelname:** GENERIC

-1024 -0.0009766  
1023 0.00097561

**Name:** GSKP0011TM **Descr:** a\_f1

**Referenced by:**

**Unit:** s/s X Y

GST01E99 a\_f1

**Modelname:** GENERIC

-1024 -3.725E-09  
1023 3.7217E-09

**Name:** GSKP0012TM **Descr:** t\_oa

**Referenced by:**

**Unit:** s X Y

GST01E9B t\_oa

**Modelname:** GENERIC

0 0  
255 1044480

**Name:** GSKP0013TM **Descr:** E

**Referenced by:**

**Unit:** X Y

GST01E9C E

**Modelname:** GENERIC

0 0  
65535 0.03124952

**Name:** GSKP0014TM **Descr:** rho\_i

**Referenced by:**

**Unit:** sc X Y

GST01E9D rho\_i

**Modelname:** GENERIC

-32768 -0.0625  
32767 0.06249809

**Name:** GSKP0015TM **Descr:** Omega\_DOT

**Referenced by:**

**Unit:** sc/s X Y

GST01E9E Omega\_DOT

**Modelname:** GENERIC

-32768 -1.192E-07  
32767 1.1921E-07

**Name:** GSKP0016TM **Descr:** Root\_A

**Referenced by:**

**Unit:** rotm X Y

GST01E9F Root\_A

**Modelname:** GENERIC

0 0  
16777215 8191.99951



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 2 of 2

**Name:** GSKP0017TM **Descr:** Omega\_0

**Unit:** sc X Y

**Referenced by:**

GST01EA0 Omega\_0  
GST01EA1 w  
GST01EA2 M\_0

---

**Modelname:** GENERIC

-8388608 -1

8388607 0.99999988

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0008TM Descr: NDH

Referenced by:  
GST01E96 NDH

From	To	Text
0		ALL_OK
1		PARITY_FAILURE
2		TLM_HOW_PROBLE
3		Z_COUNT_BAD
4		SUBFRAMES_1_2_
5		SUBFRAMES_4_5_
6		ALL_UPLOADED_B
7		ALL_DATA_BAD

Name: GSKT0009TM Descr: SH

Referenced by:  
GST01E97 SH

From	To	Text
0		ALL_OK
1		ALL_WEAK
2		ALL_DEAD
3		ALL_WITHOUT_DA
4		L1_P_WEAK
5		L1_P_DEAD
6		L1_P_WITHOUT_D
7		L2_P_WEAK
8		L2_P_DEAD
9		L2_P_WITHOUT_D
10		L1_C_WEAK
11		L1_C_DEAD
12		L1_C_WITHOUT_D
13		L2_C_WEAK
14		L2_C_DEAD
15		L2_C_WITHOUT_D
16		L1_AND_L2_P_WE
17		L1_AND_L2_P_DE
18		L1_AND_L2_P_WI
19		L1_AND_L2_C_WE
20		L1_AND_L2_C_DE
21		L1_AND_L2_C_WI
22		L1_WEAK
23		L1_DEAD
24		L1_WITHOUT_DAT
25		L2_WEAK
26		L2_DEAD
27		L2_WITHOUT_DAT
28		GPS_SV_TEMP_OU
29		GPS_SV_WILL_BE
30		SPARE
31		OTHER_ANOMALIE





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Database: SISS2MAS  
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Name: GSKT0293TM Descr: SID

Referenced by:  
GST018DF SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST01E89 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
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Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



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**SRDB Database Extract**  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

**Name:** GSKT0299TM **Descr:** V

**Referenced by:**  
GST01E8C V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

**Name:** GSKT0300TM **Descr:** R\_MODE

**Referenced by:**  
GST01E8D R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37118	N_ScienceDataRepor__GPS_NAV_Ephemeris	212	1	48	13	781	Y	90	VAR_WI	GST018DF	PS_NAV_EPH		Y	37118	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST018DF	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST01EB7	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST01EB8	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST01EB9	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG0414	DESCRIPTION				N	N	1	L	N
		0	4	GST01EBA	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01EBB	V	UINT	STRING	GSKT0299TM					
		5	3	GST01EBC	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST01EBD	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG0415	DESCRIPTION				N	N	1	L	N
		0	3	GST01EBE	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01EBF	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01EC0	N_U	UINT	INTEGER	Z_IDENTITY					
8	1	10	16	GST01EC1	T_REC	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
9	1	12	16	GSTG0416	DESCRIPTION				N	N	1	L	N
		0	1	GST01EC2	AS	UINT	STRING	GSKT0018TM					
		1	1	GST01EC3	D2	UINT	STRING	GSKT0019TM					
		2	1	GST01EC4	CF	UINT	STRING	GSKT0020TM					
		3	2	GST01EC5	C2	UINT	STRING	GSKT0021TM					
		5	1	GST01EC6	A	UINT	STRING	GSKT0022TM					
		6	1	GST01EC7	NH	UINT	STRING	GSKT0023TM					
		7	5	GST01EC8	SH	UINT	STRING	GSKT0024TM					
		12	4	GST01EC9	URA	UINT	INTEGER	Z_IDM					
10	1	14	16	GSTG0417	DESCRIPTION				N	N	1	L	N
		0	6	GST01ECA	N_U_2	UINT	INTEGER	Z_IDENTITY					
		6	10	GST01ECB	WN	UINT	INTEGER	Z_IDENTITY					
11	1	16	16	GST01ECC	IODC	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
12	1	18	16	GST01ECD	a_f1	SINT	INTEGER	GSKP0025TM	N	N	1	L	N
13	1	20	32	GST01ECE	a_f0	SINT	INTEGER	GSKP0026TM	N	N	1	L	N
14	1	24	8	GST01ECF	a_f2	SINT	INTEGER	GSKP0027TM	N	N	1	L	N
15	1	25	8	GST01ED0	T_GD	SINT	INTEGER	GSKP0028TM	N	N	1	L	N
16	1	26	16	GST01ED1	t_oc	UINT	INTEGER	GSKP0029TM	N	N	1	L	N



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37118	N_ScienceDataRepor__GPS_NAV_Ephemeris	212	1	48	13	781	Y	90	VAR_WI	GST018DF	PS_NAV_EPH			Y	37118	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
17	1	28	16	GST01ED2	IODE	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
18	1	30	16	GST01ED3	C_rs	SINT	INTEGER	GSKP0030TM	N	N	1	L	N
19	1	32	16	GST01ED4	C_rc	SINT	INTEGER	GSKP0030TM	N	N	1	L	N
20	1	34	16	GST01ED5	C_us	SINT	INTEGER	GSKP0031TM	N	N	1	L	N
21	1	36	16	GST01ED6	C_uc	SINT	INTEGER	GSKP0031TM	N	N	1	L	N
22	1	38	16	GST01ED7	C_is	SINT	INTEGER	GSKP0031TM	N	N	1	L	N
23	1	40	16	GST01ED8	C_ic	SINT	INTEGER	GSKP0031TM	N	N	1	L	N
24	1	42	16	GST01ED9	Delta_n	SINT	INTEGER	GSKP0032TM	N	N	1	L	N
25	1	44	32	GST01EDA	M_0	SINT	INTEGER	GSKP0033TM	N	N	1	L	N
26	1	48	32	GST01EDB	E	UINT	INTEGER	GSKP0034TM	N	N	1	L	N
27	1	52	32	GST01EDC	Root_A	UINT	INTEGER	GSKP0035TM	N	N	1	L	N
28	1	56	32	GST01EDD	Omega_0	SINT	INTEGER	GSKP0033TM	N	N	1	L	N
29	1	60	32	GST01EDE	i_0	SINT	INTEGER	GSKP0033TM	N	N	1	L	N
30	1	64	32	GST01EDF	w	SINT	INTEGER	GSKP0033TM	N	N	1	L	N
31	1	68	32	GST01EE0	Omega_DOT	SINT	INTEGER	GSKP0036TM	N	N	1	L	N
32	1	72	16	GST01EE1	t_oe	UINT	INTEGER	GSKP0029TM	N	N	1	L	N
33	1	74	16	GST01EE2	I_DOT	SINT	INTEGER	GSKP0037TM	N	N	1	L	N





**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

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**Name:** GSKP0025TM **Descr:** a\_f1

**Unit:** s/s X Y

**Modelname:** GENERIC

-32768 -3.725E-09  
32767 3.7252E-09

**Referenced by:**

GST01ECD a\_f1

**Name:** GSKP0026TM **Descr:** a\_f0

**Unit:** s X Y

**Modelname:** GENERIC

-2097152 -0.0009766  
2097151 0.00097656

**Referenced by:**

GST01ECE a\_f0

**Name:** GSKP0027TM **Descr:** a\_f2

**Unit:** s/s2 X Y

**Modelname:** GENERIC

-128 -3.553E-15  
127 3.525E-15

**Referenced by:**

GST01ECF a\_f2

**Name:** GSKP0028TM **Descr:** T\_GD

**Unit:** s X Y

**Modelname:** GENERIC

-128 -5.960E-08  
127 5.9139E-08

**Referenced by:**

GST01ED0 T\_GD

**Name:** GSKP0029TM **Descr:** t\_oc

**Unit:** s X Y

**Modelname:** GENERIC

0 0  
65535 1048560

**Referenced by:**

GST01ED1 t\_oc

GST01EE1 t\_oe

**Name:** GSKP0030TM **Descr:** C\_rs

**Unit:** m X Y

**Modelname:** GENERIC

-32768 -1024  
32767 1023.96875

**Referenced by:**

GST01ED3 C\_rs

GST01ED4 C\_rc

**Name:** GSKP0031TM **Descr:** C\_us

**Unit:** rad X Y

**Modelname:** GENERIC

-32768 -6.104E-05  
32767 6.1033E-05

**Referenced by:**

GST01ED5 C\_us

GST01ED6 C\_uc

GST01ED7 C\_is

GST01ED8 C\_ic



# Sentinel-2

## SRDB Database Extract

### TM Numerical Calibration Curves

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Comment/Unit:  
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**Name:** GSKP0032TM **Descr:** Delta\_n

**Unit:** sc/s X Y

**Modelname:** GENERIC

-32768 -3.725E-09

32767 3.7252E-09

**Referenced by:**

GST01ED9 Delta\_n

**Name:** GSKP0033TM **Descr:** M\_0

**Unit:** sc X Y

**Modelname:** GENERIC

-2.147E+09 -1

2147483650 1

**Referenced by:**

GST01EDA M\_0

GST01EDD Omega\_0

GST01EDE i\_0

GST01EDF w

**Name:** GSKP0034TM **Descr:** E

**Unit:** X Y

**Modelname:** GENERIC

0 0

4294967300 0.5

**Referenced by:**

GST01EDB E

**Name:** GSKP0035TM **Descr:** Root\_A

**Unit:** rotm X Y

**Modelname:** GENERIC

0 0

4294967300 8192

**Referenced by:**

GST01EDC Root\_A

**Name:** GSKP0036TM **Descr:** Omega\_DOT

**Unit:** sc/s X Y

**Modelname:** GENERIC

-8388608 -9.537E-07

8388607 9.5367E-07

**Referenced by:**

GST01EE0 Omega\_DOT

**Name:** GSKP0037TM **Descr:** I\_DOT

**Unit:** sc/s X Y

**Modelname:** GENERIC

-8192 -9.313E-10

8191 9.3121E-10

**Referenced by:**

GST01EE2 I\_DOT



**Sentinel-2**  
**SRDB Database Extract**  
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**Name:** GSKT0018TM **Descr:** AS

**Referenced by:**  
GST01EC2 AS

From	To	Text
0		ANTISPOOF_OFF
1		ANTISPOOF_ON

**Name:** GSKT0019TM **Descr:** D2

**Referenced by:**  
GST01EC3 D2

From	To	Text
0		DATA_FLAG_ON
1		DATA_FLAG_OFF

**Name:** GSKT0020TM **Descr:** CF

**Referenced by:**  
GST01EC4 CF

From	To	Text
0		_4HRS
1		OVER_4HRS

**Name:** GSKT0021TM **Descr:** C2

**Referenced by:**  
GST01EC5 C2

From	To	Text
0		RESERVED
1		PCODE_ON
2		CACODE_ON

**Name:** GSKT0022TM **Descr:** A

**Referenced by:**  
GST01EC6 A

From	To	Text
0		NOMINAL
1		UNAUTHORIZED_U

**Name:** GSKT0023TM **Descr:** NH

**Referenced by:**  
GST01EC7 NH

From	To	Text
0		NAV_DATA_OK
1		SOME_OR_ALL_NA



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Name: GSKT0024TM Descr: SH

Referenced by:  
GST01EC8 SH

From	To	Text
0		ALL_OK
1		ALL_WEAK
2		ALL_DEAD
3		ALL_WITHOUT_DA
4		L1_P_WEAK
5		L1_P_DEAD
6		L1_P_WITHOUT_D
7		L2_P_WEAK
8		L2_P_DEAD
9		L2_P_WITHOUT_D
10		L1_C_WEAK
11		L1_C_DEAD
12		L1_C_WITHOUT_D
13		L2_C_WEAK
14		L2_C_DEAD
15		L2_C_WITHOUT_D
16		L1_AND_L2_P_WE
17		L1_AND_L2_P_DE
18		L1_AND_L2_P_WI
19		L1_AND_L2_C_WE
20		L1_AND_L2_C_DE
21		L1_AND_L2_C_WI
22		L1_WEAK
23		L1_DEAD
24		L1_WITHOUT_DAT
25		L2_WEAK
26		L2_DEAD
27		L2_WITHOUT_DAT
28		GPS_SV_TEMP_OU
29		GPS_SV_WILL_BE
30		SPARE
31		OTHER_ANOMALIE



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 3 of 8

Name: GSKT0293TM Descr: SID

Referenced by:  
GST018DF SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

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**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST01EB8 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST01EBB V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST01EBC R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
 Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37119	N_Science__GPS_NAV.UTC_and_Ionospher	212	1	48	13	781	Y	50	FIXED	GST018DF	NAV.UTC_IO			Y	37119	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST018DF	SID	UINT	STRING	GSKT0293TM	N				
2	0	1	24	GST01EF7	FILLER	UINT	INTEGER	Z_IDENTITY	N				
3	0	4	8	GST01EF8	FE_TEMP	UINT	STRING	GSKT0298TM	N				
4	0	5	8	GST01EF9	ID	UINT	INTEGER	Z_IDENTITY	N				
5	0	6	8	GSTG0418	DESCRIPTION				N				
		0	4	GST01EFA	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01EFB	V	UINT	STRING	GSKT0299TM					
		5	3	GST01EFC	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST01efd	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	N				
7	0	8	16	GSTG0419	DESCRIPTION				N				
		0	3	GST01EFE	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST01EFF	ACQ_SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST01F00	N_U_3	UINT	INTEGER	Z_IDENTITY					
8	0	10	16	GST01F01	T_REC	UINT	INTEGER	Z_IDENTITY	N				
9	0	12	16	GST01F02	N_U_4	UINT	INTEGER	Z_IDENTITY	N				
10	0	14	8	GST01F03	delta_t_ls	SINT	INTEGER	Z_IDS	N				
11	0	15	8	GST01F04	t_ot	UINT	INTEGER	GSKP0012TM	N				
12	0	16	8	GST01F05	WN_t	UINT	INTEGER	Z_IDWK	N				
13	0	17	8	GST01F06	WN_LSF	UINT	INTEGER	Z_IDWK	N				
14	0	18	8	GST01F07	DN	UINT	INTEGER	Z_IDENTITY	N				
15	0	19	8	GST01F08	delta_t_LSF	SINT	INTEGER	Z_IDS	N				
16	0	20	32	GST01F09	A_0	SINT	INTEGER	GSKP0038TM	N				
17	0	24	32	GST01F0A	A_1	SINT	INTEGER	GSKP0039TM	N				
18	0	28	8	GST01F0B	alpha0	SINT	INTEGER	GSKP0040TM	N				
19	0	29	8	GST01F0C	alpha1	SINT	INTEGER	GSKP0041TM	N				
20	0	30	8	GST01F0D	alpha2	SINT	INTEGER	GSKP0042TM	N				
21	0	31	8	GST01F0E	alpha3	SINT	INTEGER	GSKP0043TM	N				
22	0	32	8	GST01F0F	beta0	SINT	INTEGER	GSKP0044TM	N				
23	0	33	8	GST01F10	beta1	SINT	INTEGER	GSKP0045TM	N				
24	0	34	8	GST01F11	beta2	SINT	INTEGER	GSKP0046TM	N				



# Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
Page: 2 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37119	N_Science__GPS_NAV_UTC_and_Ionospher	212	1	48	13	781	Y	50	FIXED	GST018DF	NAV_UTC_IO			Y	37119	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
25	0	35	8	GST01F12	beta3	SINT	INTEGER	GSKP0047TM	N				



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 2

**Name:** GSKP0012TM **Descr:** t\_oa

**Referenced by:**

**Unit:** s X Y

GST01F04 t\_ot

**Modelname:** GENERIC

0 0  
255 1044480

**Name:** GSKP0038TM **Descr:** A\_0

**Referenced by:**

**Unit:** s X Y

GST01F09 A\_0

**Modelname:** GENERIC

-2.147E+09 -2  
2147483650 2

**Name:** GSKP0039TM **Descr:** A\_1

**Referenced by:**

**Unit:** s/s X Y

GST01F0A A\_1

**Modelname:** GENERIC

-8388608 -7.451E-09  
8388607 7.4506E-09

**Name:** GSKP0040TM **Descr:** alpha0

**Referenced by:**

**Unit:** s X Y

GST01F0B alpha0

**Modelname:** GENERIC

-128 -1.192E-07  
127 1.1828E-07

**Name:** GSKP0041TM **Descr:** alpha1

**Referenced by:**

**Unit:** s/sc X Y

GST01F0C alpha1

**Modelname:** GENERIC

-128 -9.537E-07  
127 9.4622E-07

**Name:** GSKP0042TM **Descr:** alpha2

**Referenced by:**

**Unit:** s/c2 X Y

GST01F0D alpha2

**Modelname:** GENERIC

-128 -7.629E-06  
127 7.5698E-06

**Name:** GSKP0043TM **Descr:** alpha3

**Referenced by:**

**Unit:** s/c3 X Y

GST01F0E alpha3

**Modelname:** GENERIC

-128 -7.629E-06  
127 7.5698E-06

**Name:** GSKP0044TM **Descr:** beta0

**Referenced by:**

**Unit:** s X Y

GST01F0F beta0

**Modelname:** GENERIC

-128 -262144  
127 260096





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 6

Name: GSKT0293TM Descr: SID

Referenced by:  
GST018DF SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 2 of 6

Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST01EF8 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 5 of 6

183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 6 of 6

234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST01EFB V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST01EFC R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
Page: 1 of 4

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37120	N_SciDa__ScienceDataReport__Auxiliary_9_	212	1	48	6	774	Y	54	FIXED	GST01688	INTINEL_AUX		Y	37120	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST01688	SID	UINT	STRING	GSKT0293TM	N				
2	0	1	24	GST01F27	FILLER	UINT	INTEGER	Z_IDENTITY	N				
3	0	4	8	GST01F28	FE_TEMP	UINT	STRING	GSKT0298TM	N				
4	0	5	8	GST01F29	ID	UINT	INTEGER	Z_IDENTITY	N				
5	0	6	8	GSTG041A	DESCRIPTION				N				
		0	4	GST01F2A	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST01F2B	V	UINT	STRING	GSKT0299TM					
		5	3	GST01F2C	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST01F2D	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	N				
7	0	8	16	GSTG0862	DESCRIPTION				N				
		0	3	GST04054	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST01F2F	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01F30	AS	UINT	STRING	GSKT0168TM					
		12	4	GST01F31	MF_CHN	UINT	INTEGER	Z_IDENTITY					
8	0	10	8	GST01F32	MFC_TS	UINT	STRING	GSKT0275TM	N				
9	0	11	8	GSTG041C	DESCRIPTION				N				
		0	2	GST01F33	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST01F34	C3	UINT	STRING	GSKT0277TM					
		3	1	GST01F35	C2	UINT	STRING	GSKT0278TM					
		4	1	GST01F36	C1	UINT	STRING	GSKT0279TM					
		5	1	GST01F37	A3	UINT	STRING	GSKT0280TM					
		6	1	GST01F38	A2	UINT	STRING	GSKT0281TM					
		7	1	GST01F39	A1	UINT	STRING	GSKT0281TM					
10	0	12	16	GSTG0863	DESCRIPTION				N				
		0	3	GST04055	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST01F3B	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01F3C	AS	UINT	STRING	GSKT0168TM					
		12	4	GST01F3D	MF_CHN	UINT	INTEGER	Z_IDENTITY					
11	0	14	8	GST01F3E	MFC_TS	UINT	STRING	GSKT0275TM	N				
12	0	15	8	GSTG041E	DESCRIPTION				N				
		0	2	GST01F3F	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST01F40	C3	UINT	STRING	GSKT0277TM					



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
Page: 2 of 4

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37120	N_SciDa__ScienceDataReport__Auxiliary_9_	212	1	48	6	774	Y	54	FIXED	GST01688	INTINEL_AUX		Y	37120	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		3	1	GST01F41	C2	UINT	STRING	GSKT0278TM					
		4	1	GST01F42	C1	UINT	STRING	GSKT0279TM					
		5	1	GST01F43	A3	UINT	STRING	GSKT0280TM					
		6	1	GST01F44	A2	UINT	STRING	GSKT0281TM					
		7	1	GST01F45	A1	UINT	STRING	GSKT0281TM					
13	0	16	16	GSTG0864	DESCRIPTION				N				
		0	3	GST04056	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST01F47	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01F48	AS	UINT	STRING	GSKT0168TM					
		12	4	GST01F49	MF_CHN	UINT	INTEGER	Z_IDENTITY					
14	0	18	8	GST01F4A	MFC_TS	UINT	STRING	GSKT0275TM	N				
15	0	19	8	GSTG0420	DESCRIPTION				N				
		0	2	GST01F4B	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST01F4C	C3	UINT	STRING	GSKT0277TM					
		3	1	GST01F4D	C2	UINT	STRING	GSKT0278TM					
		4	1	GST01F4E	C1	UINT	STRING	GSKT0279TM					
		5	1	GST01F4F	A3	UINT	STRING	GSKT0280TM					
		6	1	GST01F50	A2	UINT	STRING	GSKT0281TM					
		7	1	GST01F51	A1	UINT	STRING	GSKT0281TM					
16	0	20	16	GSTG0865	DESCRIPTION				N				
		0	3	GST04057	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST01F53	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01F54	AS	UINT	STRING	GSKT0168TM					
		12	4	GST01F55	MF_CHN	UINT	INTEGER	Z_IDENTITY					
17	0	22	8	GST01F56	MFC_TS	UINT	STRING	GSKT0275TM	N				
18	0	23	8	GSTG0422	DESCRIPTION				N				
		0	2	GST01F57	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST01F58	C3	UINT	STRING	GSKT0277TM					
		3	1	GST01F59	C2	UINT	STRING	GSKT0278TM					
		4	1	GST01F5A	C1	UINT	STRING	GSKT0279TM					
		5	1	GST01F5B	A3	UINT	STRING	GSKT0280TM					
		6	1	GST01F5C	A2	UINT	STRING	GSKT0281TM					
		7	1	GST01F5D	A1	UINT	STRING	GSKT0281TM					



# Sentinel-2

## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
Page: 3 of 4

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37120	N_SciDa__ScienceDataReport__Auxiliary_9_	212	1	48	6	774	Y	54	FIXED	GST01688	INTINEL_AUX		Y	37120	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
19	0	24	16	GSTG0866	DESCRIPTION				N				
		0	3	GST04058	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST01F5F	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01F60	AS	UINT	STRING	GSKT0168TM					
		12	4	GST01F61	MF_CHN	UINT	INTEGER	Z_IDENTITY					
20	0	26	8	GST01F62	MFC_TS	UINT	STRING	GSKT0275TM	N				
21	0	27	8	GSTG0424	DESCRIPTION				N				
		0	2	GST01F63	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST01F64	C3	UINT	STRING	GSKT0277TM					
		3	1	GST01F65	C2	UINT	STRING	GSKT0278TM					
		4	1	GST01F66	C1	UINT	STRING	GSKT0279TM					
		5	1	GST01F67	A3	UINT	STRING	GSKT0280TM					
		6	1	GST01F68	A2	UINT	STRING	GSKT0281TM					
		7	1	GST01F69	A1	UINT	STRING	GSKT0281TM					
22	0	28	16	GSTG0867	DESCRIPTION				N				
		0	3	GST04059	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST01F6B	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01F6C	AS	UINT	STRING	GSKT0168TM					
		12	4	GST01F6D	MF_CHN	UINT	INTEGER	Z_IDENTITY					
23	0	30	8	GST01F6E	MFC_TS	UINT	STRING	GSKT0275TM	N				
24	0	31	8	GSTG0426	DESCRIPTION				N				
		0	2	GST01F6F	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST01F70	C3	UINT	STRING	GSKT0277TM					
		3	1	GST01F71	C2	UINT	STRING	GSKT0278TM					
		4	1	GST01F72	C1	UINT	STRING	GSKT0279TM					
		5	1	GST01F73	A3	UINT	STRING	GSKT0280TM					
		6	1	GST01F74	A2	UINT	STRING	GSKT0281TM					
		7	1	GST01F75	A1	UINT	STRING	GSKT0281TM					
25	0	32	16	GSTG0868	DESCRIPTION				N				
		0	3	GST0405A	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST01F77	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01F78	AS	UINT	STRING	GSKT0168TM					
		12	4	GST01F79	MF_CHN	UINT	INTEGER	Z_IDENTITY					



## Sentinel-2 SRDB Database Extract

TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37120	N_SciDa__ScienceDataReport__Auxiliary_9_	212	1	48	6	774	Y	54	FIXED	GST01688	:	NTINEL_AUX		Y	37120	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
26	0	34	8	GST01F7A	MFC_TS	UINT	STRING	GSKT0275TM	N				
27	0	35	8	GSTG0428	DESCRIPTION				N				
		0	2	GST01F7B	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST01F7C	C3	UINT	STRING	GSKT0277TM					
		3	1	GST01F7D	C2	UINT	STRING	GSKT0278TM					
		4	1	GST01F7E	C1	UINT	STRING	GSKT0279TM					
		5	1	GST01F7F	A3	UINT	STRING	GSKT0280TM					
		6	1	GST01F80	A2	UINT	STRING	GSKT0281TM					
		7	1	GST01F81	A1	UINT	STRING	GSKT0281TM					
28	0	36	16	GSTG0869	DESCRIPTION				N				
		0	3	GST0405B	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST01F83	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST01F84	AS	UINT	STRING	GSKT0168TM					
		12	4	GST01F85	MF_CHN	UINT	INTEGER	Z_IDENTITY					
29	0	38	8	GST01F86	MFC_TS	UINT	STRING	GSKT0275TM	N				
30	0	39	8	GSTG042A	DESCRIPTION				N				
		0	2	GST01F87	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST01F88	C3	UINT	STRING	GSKT0277TM					
		3	1	GST01F89	C2	UINT	STRING	GSKT0278TM					
		4	1	GST01F8A	C1	UINT	STRING	GSKT0279TM					
		5	1	GST01F8B	A3	UINT	STRING	GSKT0280TM					
		6	1	GST01F8C	A2	UINT	STRING	GSKT0281TM					
		7	1	GST01F8D	A1	UINT	STRING	GSKT0281TM					





## Sentinel-2 SRDB Database Extract

TM Textual Calibration Curves

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Name: GSKT0168TM Descr: AS

### Referenced by:

From	To	Text
		GST01F30 AS
		GST01F3C AS
		GST01F48 AS
		GST01F54 AS
		GST01F60 AS
		GST01F6C AS
		GST01F78 AS
		GST01F84 AS
0		ANTISPOOF_OFF
1		ANTISPOOF_ON

Name: GSKT0275TM Descr: MFC\_TS

### Referenced by:

From	To	Text
		GST01F32 MFC_TS
		GST01F3E MFC_TS
		GST01F4A MFC_TS
		GST01F56 MFC_TS
		GST01F62 MFC_TS
		GST01F6E MFC_TS
		GST01F7A MFC_TS
		GST01F86 MFC_TS
0		NO_MEASDATA_AV
1		CODE_ACQUISITI
2		CODE_ACQUISITI
3		CODE_TRACKING_
4		CODE_AND_CARRI
5		CODE_AND_CARRI
6		FINAL_TRACKING
7		FINAL_TRACKING
8		FINAL_TRACKING
9		FINAL_TRACKING
10		FINAL_TRACKING
11		FINAL_TRACKING

Name: GSKT0276TM Descr: NDS

### Referenced by:

From	To	Text
		GST01F33 NDS
		GST01F3F NDS
		GST01F4B NDS
		GST01F57 NDS
		GST01F63 NDS
		GST01F6F NDS
		GST01F7B NDS
		GST01F87 NDS
0		NOT_SYNC
1		SYNC_NAVDATA_N
2		INVALID
3		SYNC_NAVDATA_I



**Sentinel-2**  
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Name: GSKT0277TM Descr: C3

**Referenced by:**

From	To	Text
		GST01F34 C3
		GST01F40 C3
		GST01F4C C3
		GST01F58 C3
		GST01F64 C3
		GST01F70 C3
		GST01F7C C3
		GST01F88 C3

0	NO_CODE_LOCK
1	P2_CODE_LOCK

Name: GSKT0278TM Descr: C2

**Referenced by:**

From	To	Text
		GST01F35 C2
		GST01F41 C2
		GST01F4D C2
		GST01F59 C2
		GST01F65 C2
		GST01F71 C2
		GST01F7D C2
		GST01F89 C2

0	NO_CODE_LOCK
1	P1CM_CODE_LOCK

Name: GSKT0279TM Descr: C1

**Referenced by:**

From	To	Text
		GST01F36 C1
		GST01F42 C1
		GST01F4E C1
		GST01F5A C1
		GST01F66 C1
		GST01F72 C1
		GST01F7E C1
		GST01F8A C1

0	NO_CODE_LOCK
1	CA_CODE_LOCK



**Sentinel-2**  
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**Name:** GSKT0280TM **Descr:** A3

**Referenced by:**

From	To	Text
		GST01F37 A3
		GST01F43 A3
		GST01F4F A3
		GST01F5B A3
		GST01F67 A3
		GST01F73 A3
		GST01F7F A3
		GST01F8B A3

0	NO_CARRIER_LOC
1	L2_CARRIER_LOC

**Name:** GSKT0281TM **Descr:** A2

**Referenced by:**

From	To	Text
		GST01F38 A2
		GST01F39 A1
		GST01F44 A2
		GST01F45 A1
		GST01F50 A2
		GST01F51 A1
		GST01F5C A2
		GST01F5D A1
		GST01F68 A2
		GST01F69 A1
		GST01F74 A2
		GST01F75 A1
		GST01F80 A2
		GST01F81 A1
		GST01F8C A2
		GST01F8D A1

0	NO_CARRIER_LOC
1	L1_CARRIER_LOC



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Name: GSKT0293TM Descr: SID

Referenced by:  
GST01688 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST01F28 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002





**Sentinel-2**  
**SRDB Database Extract**  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST01F2B V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST01F2C R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE

Name: GSKT0301TM Descr: SCHEME

Referenced by:  
GST04054 SCHEME  
GST04055 SCHEME  
GST04056 SCHEME  
GST04057 SCHEME  
GST04058 SCHEME  
GST04059 SCHEME  
GST0405A SCHEME  
GST0405B SCHEME

From	To	Text
0		L1CAL1PYL2PY
1		L1CAL1CA
2		L1CAL2CM



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## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37209	R_ScienceDataReport__SatellitesInView_2_	212	1	49	6	790	Y	50	VAR_WI	GST0B617	3AT_IN_VIEW		Y	37209	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0B617	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST0B618	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST0B619	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST0B61A	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG1AAA	DESCRIPTION				N	N	1	L	N
		0	4	GST0B61B	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0B61C	V	UINT	STRING	GSKT0299TM					
		5	3	GST0B61D	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0B61E	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG1AAB	DESCRIPTION				N	N	1	L	N
		0	3	GST0B61F	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0B620	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	3	GST0B621	BLOCK	UINT	STRING	GSKT0214TM					
		14	1	GST0B622	E	UINT	STRING	GSKT0215TM					
		15	1	GST0B623	B	UINT	STRING	GSKT0216TM					
8	1	10	8	GSTG1AAC	DESCRIPTION				N	N	1	L	N
		0	4	GST0B624	ANT	UINT	STRING	GSKT0217TM					
		4	1	GST0B625	X	UINT	STRING	GSKT0218TM					
		5	1	GST0B626	N	UINT	STRING	GSKT0219TM					
		6	1	GST0B627	M	UINT	STRING	GSKT0220TM					
		7	1	GST0B628	S	UINT	STRING	GSKT0221TM					
9	1	11	8	GST0B629	MFC_TS	UINT	STRING	GSKT0222TM	N	N	1	L	N
10	1	12	8	GSTG1AAD	DESCRIPTION				N	N	1	L	N
		0	5	GST0B62A	URA	UINT	INTEGER	Z_IDENTITY					
		5	1	GST0B62B	AL	UINT	INTEGER	Z_IDENTITY					
		6	1	GST0B62C	FP	UINT	STRING	GSKT0223TM					
		7	1	GST0B62D	N_U_2	UINT	INTEGER	Z_IDENTITY					
11	1	13	8	GSTG1AAE	DESCRIPTION				N	N	1	L	N
		0	1	GST0B62E	H1	UINT	STRING	GSKT0224TM					
		1	1	GST0B62F	H2	UINT	STRING	GSKT0225TM					
		2	6	GST0B630	N_U_3	UINT	INTEGER	Z_IDENTITY					
12	1	14	32	GST0B631	PSEUDO_R_MSB	UINT	INTEGER	GSKP0151TM	N	N	1	L	N



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatn	Len[Byte]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37209	R_ScienceDataReport__SatellitesInView_2_	212	1	49	6	790	Y	50	VAR_WI	GST0B617	SAT_IN_VIEW			Y	37209	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
13	1	18	16	GST0B632	PSEUDO_R_LSB	UINT	INTEGER	Z_IDMM	N	N	1	L	N
14	1	20	32	GST0B633	DELTA_R	SINT	INTEGER	GSKP0226TM	N	N	1	L	N
15	1	24	16	GST0B634	ZENITH_t0	UINT	INTEGER	GSKP0227TM	N	N	1	L	N
16	1	26	16	GST0B635	AZ_t0	SINT	INTEGER	GSKP0228TM	N	N	1	L	N
17	1	28	16	GST0B636	ZENITH_t1	UINT	INTEGER	GSKP0227TM	N	N	1	L	N
18	1	30	16	GST0B637	AZ_t1	SINT	INTEGER	GSKP0228TM	N	N	1	L	N
19	1	32	16	GST0B638	ATT_UNC	UINT	INTEGER	GSKP0229TM	N	N	1	L	N
20	1	34	16	GST0B639	N_U_4	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N



**Sentinel-2**  
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TM Numerical Calibration Curves

Date: 21.11.2011  
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**Name:** GSKP0151TM **Descr:** RESERVED\_75

**Unit:** m X Y

**Modelname:** GENERIC

0 0  
4294967300 4294967.3

**Referenced by:**

GST0B631 PSEUDO\_R\_MSB

**Name:** GSKP0226TM **Descr:** DELTA\_RNG

**Unit:** m/s X Y

**Modelname:** GENERIC

-2.147E+09 -21474.836  
2147483650 21474.8365

**Referenced by:**

GST0B633 DELTA\_R

**Name:** GSKP0227TM **Descr:** ZENITH\_t0

**Unit:** deg X Y

**Modelname:** GENERIC

0 0  
65535 655.35

**Referenced by:**

GST0B634 ZENITH\_t0  
GST0B636 ZENITH\_t1

**Name:** GSKP0228TM **Descr:** AZ\_t0

**Unit:** deg X Y

**Modelname:** GENERIC

-32768 -327.68  
32767 327.67

**Referenced by:**

GST0B635 AZ\_t0  
GST0B637 AZ\_t1

**Name:** GSKP0229TM **Descr:** ATT\_UNC

**Unit:** deg X Y

**Modelname:** GENERIC

0 0  
65535 65.535

**Referenced by:**

GST0B638 ATT\_UNC



**Sentinel-2**  
**SRDB Database Extract**  
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**Name:** GSKT0214TM **Descr:** BLOCK

**Referenced by:**  
GST0B621 BLOCK

From	To	Text
0		BLOCK_I
1		BLOCK_IIIIAIR
2		BLOCK_IIRM
3		BLOCK_IIF
7		BLOCK_UNKNOWN

**Name:** GSKT0215TM **Descr:** E

**Referenced by:**  
GST0B622 E

From	To	Text
0		NO_EPHEMERIS_A
1		EPHEMERIS_AVAI

**Name:** GSKT0216TM **Descr:** B

**Referenced by:**  
GST0B623 B

From	To	Text
0		SV_NOT_BANNED
1		SV_TEMP_BANNED

**Name:** GSKT0217TM **Descr:** ANT

**Referenced by:**  
GST0B624 ANT

From	To	Text
0		FIRST_ANTENNA
1		SECOND_ANTENNA

**Name:** GSKT0218TM **Descr:** X

**Referenced by:**  
GST0B625 X

From	To	Text
0		SV_NOT_EXCLUDE
1		SV_EXCLUDED

**Name:** GSKT0219TM **Descr:** N

**Referenced by:**  
GST0B626 N

From	To	Text
0		SV_NOT_USED_FO
1		SV_USED_FOR_NA

**Name:** GSKT0220TM **Descr:** M

**Referenced by:**  
GST0B627 M

From	To	Text
0		SV_NOT_EXCLUDE
1		SV_EXCLUDED_DU

**Name:** GSKT0221TM **Descr:** S

**Referenced by:**  
GST0B628 S

From	To	Text
0		SV_NOT_EXCLUDE
1		SV_EXCLUDED_DU



**Sentinel-2**  
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TM Textual Calibration Curves

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**Name:** GSKT0222TM **Descr:** MFC\_TS

**Referenced by:**  
GST0B629 MFC\_TS

From	To	Text
0		NO_MEASDATA_AV
1		CODE_ACQUISITI
2		CODE_ACQUISITI
3		CODE_TRACKING_
4		CODE_AND_CARRI
5		CODE_AND_CARRI
6		FINAL_TRACKING
7		FINAL_TRACKING
8		FINAL_TRACKING
9		FINAL_TRACKING
10		FINAL_TRACKING
11		FINAL_TRACKING

**Name:** GSKT0223TM **Descr:** FP

**Referenced by:**  
GST0B62C FP

From	To	Text
0		L2CM_USED
1		PY_USED

**Name:** GSKT0224TM **Descr:** H1

**Referenced by:**  
GST0B62E H1

From	To	Text
0		L1_AND_DATA_HE
1		L1_OR_DATA_UNH

**Name:** GSKT0225TM **Descr:** H2

**Referenced by:**  
GST0B62F H2

From	To	Text
0		L2_AND_DATA_HE
1		L2_OR_DATA_UNH



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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Name: GSKT0293TM Descr: SID

Referenced by:  
GST0B617 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

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**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 4 of 8

Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0B619 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 6 of 8

132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 7 of 8

183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 8 of 8

234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

**Name:** GSKT0299TM **Descr:** V

**Referenced by:**  
GST0B61C V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

**Name:** GSKT0300TM **Descr:** R\_MODE

**Referenced by:**  
GST0B61D R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
 Page: 1 of 1

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37210	R_ScienceDataReport__CarrierPhase_2_	212	1	49	6	790	Y	38	VAR_WI	GST0B617	ARR_PHASE			Y	37210	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0B617	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST0B64D	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST0B64E	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST0B64F	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG1AAF	DESCRIPTION				N	N	1	L	N
		0	4	GST0B650	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0B651	V	UINT	STRING	GSKT0299TM					
		5	3	GST0B652	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0B653	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG1AB0	DESCRIPTION				N	N	1	L	N
		0	3	GST0B654	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0B655	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0B656	SIG	UINT	STRING	GSKT0230TM					
8	1	10	8	GSTG1AB1	DESCRIPTION				N	N	1	L	N
		0	4	GST0B657	ANT	UINT	STRING	GSKT0231TM					
		4	1	GST0B658	D	UINT	STRING	GSKT0232TM					
		5	3	GST0B659	N_U_2	UINT	INTEGER	Z_IDENTITY					
9	1	11	8	GST0B65A	SF_CHN	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
10	1	12	32	GST0B65B	NCO_PHASE_MSB	SINT	INTEGER	GSKP0233TM	N	N	1	L	N
11	1	16	32	GST0B65C	NCO_PHASE_LSB	UINT	INTEGER	GSKP0234TM	N	N	1	L	N
12	1	20	32	GST0B65D	DELTA_RNG	SINT	INTEGER	GSKP0226TM	N	N	1	L	N



## Sentinel-2 SRDB Database Extract

TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** GSKP0226TM **Descr:** DELTA\_RNG

**Referenced by:**

**Unit:** m/s X Y

GST0B65D DELTA\_RNG

**Modelname:** GENERIC

-2.147E+09 -21474.836  
2147483650 21474.8365

**Name:** GSKP0233TM **Descr:** NCO\_PHASE\_MSB

**Referenced by:**

**Unit:** cacy X Y

GST0B65B NCO\_PHASE\_MSB

**Modelname:** GENERIC

-2.147E+09 -524288  
2147483650 524288

**Name:** GSKP0234TM **Descr:** NCO\_PHASE\_LSB

**Referenced by:**

**Unit:** cacy X Y

GST0B65C NCO\_PHASE\_LSB

**Modelname:** GENERIC

0 0  
4294967300 1048576



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 1 of 6

**Name:** GSKT0230TM **Descr:** SIG

**Referenced by:**  
GST0B656 SIG

From	To	Text
0		GPS_L1_CA
1		GPS_L1_P
2		GPS_L2_CA
3		GPS_L2_P
4		GPS_L2_CM
5		GPS_L2_CL
6		NO_SIGNAL

**Name:** GSKT0231TM **Descr:** ANT

**Referenced by:**  
GST0B657 ANT

From	To	Text
0		FIRST_ANTENNA
1		SECOND_ANTENNA

**Name:** GSKT0232TM **Descr:** D

**Referenced by:**  
GST0B658 D

From	To	Text
0		STEADY_CARRIER
1		UNSTEADY_CARRI

**Name:** GSKT0293TM **Descr:** SID

**Referenced by:**  
GST0B617 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 2 of 6

Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0B64E FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 3 of 6

81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 4 of 6

132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 5 of 6

183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 6 of 6

234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST0B651 V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST0B652 R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
 Page: 1 of 1

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37211	R_SciDa__ScienceDataReport__CodePhase_	212	1	49	6	790	Y	34	VAR_WI	GST0B617	:ODE_PHASE			Y	37211	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0B617	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST0B672	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST0B673	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST0B674	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG1AB2	DESCRIPTION				N	N	1	L	N
		0	4	GST0B675	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0B676	V	UINT	STRING	GSKT0299TM					
		5	3	GST0B677	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0B678	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG1AB3	DESCRIPTION				N	N	1	L	N
		0	3	GST0B679	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0B67A	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0B67B	SIG	UINT	STRING	GSKT0230TM					
8	1	10	8	GSTG1AB4	DESCRIPTION				N	N	1	L	N
		0	4	GST0B67C	ANT	UINT	STRING	GSKT0231TM					
		4	1	GST0B67D	D	UINT	STRING	GSKT0232TM					
		5	1	GST0B67E	S	UINT	STRING	GSKT0235TM					
		6	2	GST0B67F	N_U_2	UINT	INTEGER	Z_IDENTITY					
9	1	11	8	GST0B680	SF_CHN	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
10	1	12	32	GST0B681	CC_MSB	UINT	INTEGER	Z_IDCOCH	N	N	1	L	N
11	1	16	16	GST0B682	CC_LSB	UINT	INTEGER	Z_IDCOCH	N	N	1	L	N
12	1	18	16	GST0B683	FP	UINT	INTEGER	GSKP0123TM	N	N	1	L	N



Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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**Referenced by:**

**X**

**Y**

GST0B683 FP

Modelname: GENERIC

0

0

65535 0.99998474



# Sentinel-2

## SRDB Database Extract

### TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 1 of 6

Name: GSKT0230TM Descr: SIG

Referenced by:  
GST0B67B SIG

From	To	Text
0		GPS_L1_CA
1		GPS_L1_P
2		GPS_L2_CA
3		GPS_L2_P
4		GPS_L2_CM
5		GPS_L2_CL
6		NO_SIGNAL

Name: GSKT0231TM Descr: ANT

Referenced by:  
GST0B67C ANT

From	To	Text
0		FIRST_ANTENNA
1		SECOND_ANTENNA

Name: GSKT0232TM Descr: D

Referenced by:  
GST0B67D D

From	To	Text
0		STEADY_CARRIER
1		UNSTEADY_CARRI

Name: GSKT0235TM Descr: S

Referenced by:  
GST0B67E S

From	To	Text
0		SMOOTHING_NOT_
1		SMOOTHING_APPL

Name: GSKT0293TM Descr: SID

Referenced by:  
GST0B617 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 2 of 6

Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0B673 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST0B676 V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST0B677 R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37232	R_ScienceDataRep__ConstellationStatus_2_	212	1	49	13	797	Y	26	VAR_WI	GST0B86E	CONST_STAT		Y	37232	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0B86E	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST0B86F	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST0B870	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST0B871	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG1AC1	DESCRIPTION				N	N	1	L	N
		0	4	GST0B872	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0B873	V	UINT	STRING	GSKT0299TM					
		5	3	GST0B874	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0B875	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG1AC2	DESCRIPTION				N	N	1	L	N
		0	3	GST0B876	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0B877	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0B878	AS	UINT	STRING	GSKT0168TM					
		12	1	GST0B879	X	UINT	STRING	GSKT0169TM					
		13	3	GST0B87A	BLOCK	UINT	STRING	GSKT0170TM					
8	1	10	8	GSTG1AC3	DESCRIPTION				N	N	1	L	N
		0	1	GST0B87B	AN	UINT	STRING	GSKT0171TM					
		1	1	GST0B87C	EN	UINT	STRING	GSKT0171TM					
		2	1	GST0B87D	CN	UINT	STRING	GSKT0171TM					
		3	1	GST0B87E	DN	UINT	STRING	GSKT0171TM					
		4	1	GST0B87F	AC	UINT	STRING	GSKT0171TM					
		5	1	GST0B880	EC	UINT	STRING	GSKT0171TM					
		6	1	GST0B881	CC	UINT	STRING	GSKT0171TM					
		7	1	GST0B882	DC	UINT	STRING	GSKT0171TM					
9	1	11	8	GSTG1AC4	DESCRIPTION				N	N	1	L	N
		0	1	GST0B883	GC	UINT	STRING	GSKT0172TM					
		1	1	GST0B884	FP	UINT	STRING	GSKT0173TM					
		2	6	GST0B885	HEALTH	UINT	INTEGER	Z_IDENTITY					



## Sentinel-2 SRDB Database Extract

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0168TM Descr: AS

Referenced by:  
GST0B878 AS

From	To	Text
0		ANTISPOOF_OFF
1		ANTISPOOF_ON

Name: GSKT0169TM Descr: X

Referenced by:  
GST0B879 X

From	To	Text
0		SV_EXCLUDED
1		SV_INCLUDED

Name: GSKT0170TM Descr: BLOCK

Referenced by:  
GST0B87A BLOCK

From	To	Text
0		BLOCK_I
1		BLOCK_IIIIAIR
2		BLOCK_IIRM
3		BLOCK_IIF
7		BLOCK_UNKNOWN

Name: GSKT0171TM Descr: AN

Referenced by:  
GST0B87B AN  
GST0B87C EN  
GST0B87D CN  
GST0B87E DN  
GST0B87F AC  
GST0B880 EC  
GST0B881 CC  
GST0B882 DC

From	To	Text
0		NOT_AVAILABLE
1		AVAILABLE

Name: GSKT0172TM Descr: GC

Referenced by:  
GST0B883 GC

From	To	Text
0		NOT_AVAILABLE
1		AVAILABLE

Name: GSKT0173TM Descr: FP

Referenced by:  
GST0B884 FP

From	To	Text
0		L2CM_USED
1		PY_USED



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Name: GSKT0293TM Descr: SID

Referenced by:  
GST0B86E SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

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**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0B870 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST0B873 V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST0B874 R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37233	R_ScienceDataReport__TrackingState_9_	212	1	49	12	796	Y	118	FIXED	GST0BA77	KING_STATE		Y	37233	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0BA77	SID	UINT	STRING	GSKT0293TM	N				
2	0	1	24	GST0BA89	FILLER	UINT	INTEGER	Z_IDENTITY	N				
3	0	4	8	GST0BA8A	FE_TEMP	UINT	STRING	GSKT0298TM	N				
4	0	5	8	GST0BA8B	ID	UINT	INTEGER	Z_IDENTITY	N				
5	0	6	8	GSTG1B22	DESCRIPTION				N				
		0	4	GST0BA8C	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BA8D	V	UINT	STRING	GSKT0299TM					
		5	3	GST0BA8E	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0BA8F	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	N				
7	0	8	16	GSTG1B23	DESCRIPTION				N				
		0	3	GST0BA90	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BA91	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BA92	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST0BA93	ANT	UINT	STRING	GSKT0249TM					
8	0	10	8	GST0BA94	MFC_TS	UINT	STRING	GSKT0250TM	N				
9	0	11	8	GST0BA95	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
10	0	12	8	GSTG1B24	DESCRIPTION				N				
		0	3	GST0BA96	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BA97	SIG1	UINT	STRING	GSKT0251TM					
11	0	13	8	GST0BA98	CHN1	UINT	INTEGER	Z_IDENTITY	N				
12	0	14	8	GSTG1B25	DESCRIPTION				N				
		0	3	GST0BA99	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BA9A	SIG2	UINT	STRING	GSKT0252TM					
13	0	15	8	GST0BA9B	CHN2	UINT	INTEGER	Z_IDENTITY	N				
14	0	16	8	GSTG1B26	DESCRIPTION				N				
		0	3	GST0BA9C	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BA9D	SIG3	UINT	STRING	GSKT0253TM					
15	0	17	8	GST0BA9E	CHN3	UINT	INTEGER	Z_IDENTITY	N				
16	0	18	16	GST0BA9F	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
17	0	20	16	GSTG1B27	DESCRIPTION				N				
		0	3	GST0BAA0	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BAA1	SV_ID	UINT	INTEGER	Z_IDENTITY					



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
Page: 2 of 6

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37233	R_ScienceDataReport__TrackingState_9_	212	1	49	12	796	Y	118	FIXED	GST0BA77	KING_STATE		Y	37233	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		11	1	GST0BAA2	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST0BAA3	ANT	UINT	STRING	GSKT0249TM					
18	0	22	8	GST0BAA4	MFC_TS	UINT	STRING	GSKT0250TM	N				
19	0	23	8	GST0BAA5	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
20	0	24	8	GSTG1B28	DESCRIPTION				N				
		0	3	GST0BAA6	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAA7	SIG1	UINT	STRING	GSKT0251TM					
21	0	25	8	GST0BAA8	CHN1	UINT	INTEGER	Z_IDENTITY	N				
22	0	26	8	GSTG1B29	DESCRIPTION				N				
		0	3	GST0BAA9	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAAA	SIG2	UINT	STRING	GSKT0252TM					
23	0	27	8	GST0BAAB	CHN2	UINT	INTEGER	Z_IDENTITY	N				
24	0	28	8	GSTG1B2A	DESCRIPTION				N				
		0	3	GST0BAAC	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAAD	SIG3	UINT	STRING	GSKT0253TM					
25	0	29	8	GST0BAAE	CHN3	UINT	INTEGER	Z_IDENTITY	N				
26	0	30	16	GST0BAAF	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
27	0	32	16	GSTG1B2B	DESCRIPTION				N				
		0	3	GST0BAB0	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BAB1	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BAB2	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST0BAB3	ANT	UINT	STRING	GSKT0249TM					
28	0	34	8	GST0BAB4	MFC_TS	UINT	STRING	GSKT0250TM	N				
29	0	35	8	GST0BAB5	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
30	0	36	8	GSTG1B2C	DESCRIPTION				N				
		0	3	GST0BAB6	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAB7	SIG1	UINT	STRING	GSKT0251TM					
31	0	37	8	GST0BAB8	CHN1	UINT	INTEGER	Z_IDENTITY	N				
32	0	38	8	GSTG1B2D	DESCRIPTION				N				
		0	3	GST0BAB9	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BABA	SIG2	UINT	STRING	GSKT0252TM					
33	0	39	8	GST0BABB	CHN2	UINT	INTEGER	Z_IDENTITY	N				



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
 Page: 3 of 6

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37233	R_ScienceDataReport__TrackingState_9_	212	1	49	12	796	Y	118	FIXED	GST0BA77	KING_STATE		Y	37233	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
34	0	40	8	GSTG1B2E	DESCRIPTION				N				
		0	3	GST0BABC	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BABD	SIG3	UINT	STRING	GSKT0253TM					
35	0	41	8	GST0BABE	CHN3	UINT	INTEGER	Z_IDENTITY	N				
36	0	42	16	GST0BABF	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
37	0	44	16	GSTG1B2F	DESCRIPTION				N				
		0	3	GST0BAC0	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BAC1	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BAC2	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST0BAC3	ANT	UINT	STRING	GSKT0249TM					
38	0	46	8	GST0BAC4	MFC_TS	UINT	STRING	GSKT0250TM	N				
39	0	47	8	GST0BAC5	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
40	0	48	8	GSTG1B30	DESCRIPTION				N				
		0	3	GST0BAC6	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAC7	SIG1	UINT	STRING	GSKT0251TM					
41	0	49	8	GST0BAC8	CHN1	UINT	INTEGER	Z_IDENTITY	N				
42	0	50	8	GSTG1B31	DESCRIPTION				N				
		0	3	GST0BAC9	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BACA	SIG2	UINT	STRING	GSKT0252TM					
43	0	51	8	GST0BACB	CHN2	UINT	INTEGER	Z_IDENTITY	N				
44	0	52	8	GSTG1B32	DESCRIPTION				N				
		0	3	GST0BACC	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BACD	SIG3	UINT	STRING	GSKT0253TM					
45	0	53	8	GST0BACE	CHN3	UINT	INTEGER	Z_IDENTITY	N				
46	0	54	16	GST0BACF	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
47	0	56	16	GSTG1B33	DESCRIPTION				N				
		0	3	GST0BAD0	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BAD1	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BAD2	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST0BAD3	ANT	UINT	STRING	GSKT0249TM					
48	0	58	8	GST0BAD4	MFC_TS	UINT	STRING	GSKT0250TM	N				
49	0	59	8	GST0BAD5	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37233	R_ScienceDataReport__TrackingState_9_	212	1	49	12	796	Y	118	FIXED	GST0BA77	KING_STATE		Y	37233	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
50	0	60	8	GSTG1B34	DESCRIPTION				N				
		0	3	GST0BAD6	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAD7	SIG1	UINT	STRING	GSKT0251TM					
51	0	61	8	GST0BAD8	CHN1	UINT	INTEGER	Z_IDENTITY	N				
52	0	62	8	GSTG1B35	DESCRIPTION				N				
		0	3	GST0BAD9	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BADA	SIG2	UINT	STRING	GSKT0252TM					
53	0	63	8	GST0BADB	CHN2	UINT	INTEGER	Z_IDENTITY	N				
54	0	64	8	GSTG1B36	DESCRIPTION				N				
		0	3	GST0BADC	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BADD	SIG3	UINT	STRING	GSKT0253TM					
55	0	65	8	GST0BADE	CHN3	UINT	INTEGER	Z_IDENTITY	N				
56	0	66	16	GST0BADF	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
57	0	68	16	GSTG1B37	DESCRIPTION				N				
		0	3	GST0BAE0	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BAE1	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BAE2	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST0BAE3	ANT	UINT	STRING	GSKT0249TM					
58	0	70	8	GST0BAE4	MFC_TS	UINT	STRING	GSKT0250TM	N				
59	0	71	8	GST0BAE5	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
60	0	72	8	GSTG1B38	DESCRIPTION				N				
		0	3	GST0BAE6	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAE7	SIG1	UINT	STRING	GSKT0251TM					
61	0	73	8	GST0BAE8	CHN1	UINT	INTEGER	Z_IDENTITY	N				
62	0	74	8	GSTG1B39	DESCRIPTION				N				
		0	3	GST0BAE9	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAEA	SIG2	UINT	STRING	GSKT0252TM					
63	0	75	8	GST0BAEB	CHN2	UINT	INTEGER	Z_IDENTITY	N				
64	0	76	8	GSTG1B3A	DESCRIPTION				N				
		0	3	GST0BAEC	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAED	SIG3	UINT	STRING	GSKT0253TM					
65	0	77	8	GST0BAEE	CHN3	UINT	INTEGER	Z_IDENTITY	N				





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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37233	R_ScienceDataReport__TrackingState_9_	212	1	49	12	796	Y	118	FIXED	GST0BA77	KING_STATE		Y	37233	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
66	0	78	16	GST0BAEF	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
67	0	80	16	GSTG1B3B	DESCRIPTION				N				
		0	3	GST0BAF0	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BAF1	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BAF2	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST0BAF3	ANT	UINT	STRING	GSKT0249TM					
68	0	82	8	GST0BAF4	MFC_TS	UINT	STRING	GSKT0250TM	N				
69	0	83	8	GST0BAF5	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
70	0	84	8	GSTG1B3C	DESCRIPTION				N				
		0	3	GST0BAF6	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAF7	SIG1	UINT	STRING	GSKT0251TM					
71	0	85	8	GST0BAF8	CHN1	UINT	INTEGER	Z_IDENTITY	N				
72	0	86	8	GSTG1B3D	DESCRIPTION				N				
		0	3	GST0BAF9	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAFA	SIG2	UINT	STRING	GSKT0252TM					
73	0	87	8	GST0BAFB	CHN2	UINT	INTEGER	Z_IDENTITY	N				
74	0	88	8	GSTG1B3E	DESCRIPTION				N				
		0	3	GST0BAFC	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BAFD	SIG3	UINT	STRING	GSKT0253TM					
75	0	89	8	GST0BAFE	CHN3	UINT	INTEGER	Z_IDENTITY	N				
76	0	90	16	GST0BAFF	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
77	0	92	16	GSTG1B3F	DESCRIPTION				N				
		0	3	GST0BB00	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BB01	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BB02	N_U_2	UINT	INTEGER	Z_IDENTITY					
		12	4	GST0BB03	ANT	UINT	STRING	GSKT0249TM					
78	0	94	8	GST0BB04	MFC_TS	UINT	STRING	GSKT0250TM	N				
79	0	95	8	GST0BB05	MF_CHN	UINT	INTEGER	Z_IDENTITY	N				
80	0	96	8	GSTG1B40	DESCRIPTION				N				
		0	3	GST0BB06	N_U_3	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BB07	SIG1	UINT	STRING	GSKT0251TM					
81	0	97	8	GST0BB08	CHN1	UINT	INTEGER	Z_IDENTITY	N				



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatn	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37233	R_ScienceDataReport__TrackingState_9_	212	1	49	12	796	Y	118	FIXED	GST0BA77	KING_STATE		Y	37233	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
82	0	98	8	GSTG1B41	DESCRIPTION				N				
		0	3	GST0BB09	N_U_4	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BB0A	SIG2	UINT	STRING	GSKT0252TM					
83	0	99	8	GST0BB0B	CHN2	UINT	INTEGER	Z_IDENTITY	N				
84	0	100	8	GSTG1B42	DESCRIPTION				N				
		0	3	GST0BB0C	N_U_5	UINT	INTEGER	Z_IDENTITY					
		3	5	GST0BB0D	SIG3	UINT	STRING	GSKT0253TM					
85	0	101	8	GST0BB0E	CHN3	UINT	INTEGER	Z_IDENTITY	N				
86	0	102	16	GST0BB0F	N_U_6	UINT	INTEGER	Z_IDENTITY	N				



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Name: GSKT0249TM Descr: ANT

### Referenced by:

From	To	Text
		GST0BA93 ANT
		GST0BAA3 ANT
		GST0BAB3 ANT
		GST0BAC3 ANT
		GST0BAD3 ANT
		GST0BAE3 ANT
		GST0BAF3 ANT
		GST0BB03 ANT
0		FIRST_ANTENNA
1		SECOND_ANTENNA

Name: GSKT0250TM Descr: MFC\_TS

### Referenced by:

From	To	Text
		GST0BA94 MFC_TS
		GST0BAA4 MFC_TS
		GST0BAB4 MFC_TS
		GST0BAC4 MFC_TS
		GST0BAD4 MFC_TS
		GST0BAE4 MFC_TS
		GST0BAF4 MFC_TS
		GST0BB04 MFC_TS
0		NO_MEASDATA_AV
1		CODE_ACQUISITI
2		CODE_ACQUISITI
3		CODE_TRACKING_
4		CODE_AND_CARRI
5		CODE_AND_CARRI
6		FINAL_TRACKING
7		FINAL_TRACKING
8		FINAL_TRACKING
9		FINAL_TRACKING
10		FINAL_TRACKING
11		FINAL_TRACKING



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**Name:** GSKT0251TM **Descr:** SIG1

**Referenced by:**

**From To Text**

GST0BA97 SIG1  
GST0BAA7 SIG1  
GST0BAB7 SIG1  
GST0BAC7 SIG1  
GST0BAD7 SIG1  
GST0BAE7 SIG1  
GST0BAF7 SIG1  
GST0BB07 SIG1

0 GPS\_L1\_CA  
1 GPS\_L1\_P  
2 GPS\_L2\_CA  
3 GPS\_L2\_P  
4 GPS\_L2\_CM  
5 GPS\_L2\_CL  
6 NO\_SIGNAL

**Name:** GSKT0252TM **Descr:** SIG2

**Referenced by:**

**From To Text**

GST0BA9A SIG2  
GST0BAAA SIG2  
GST0BABA SIG2  
GST0BACA SIG2  
GST0BADA SIG2  
GST0BAEA SIG2  
GST0BAFA SIG2  
GST0BB0A SIG2

0 GPS\_L1\_CA  
1 GPS\_L1\_P  
2 GPS\_L2\_CA  
3 GPS\_L2\_P  
4 GPS\_L2\_CM  
5 GPS\_L2\_CL  
6 NO\_SIGNAL



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Name: GSKT0253TM Descr: SIG3

**Referenced by:**

GST0BA9D SIG3  
GST0BAAD SIG3  
GST0BABD SIG3  
GST0BACD SIG3  
GST0BADD SIG3  
GST0BAED SIG3  
GST0BAFD SIG3  
GST0BB0D SIG3

From	To	Text
0		GPS_L1_CA
1		GPS_L1_P
2		GPS_L2_CA
3		GPS_L2_P
4		GPS_L2_CM
5		GPS_L2_CL
6		NO_SIGNAL

Name: GSKT0293TM Descr: SID

**Referenced by:**

GST0BA77 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0BA8A FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571





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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

**Name:** GSKT0299TM **Descr:** V

**Referenced by:**  
GST0BA8D V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

**Name:** GSKT0300TM **Descr:** R\_MODE

**Referenced by:**  
GST0BA8E R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0BA77	SID	UINT	STRING	GSKT0293TM	N				
2	0	1	24	GST0BB24	FILLER	UINT	INTEGER	Z_IDENTITY	N				
3	0	4	8	GST0BB25	FE_TEMP	UINT	STRING	GSKT0298TM	N				
4	0	5	8	GST0BB26	ID	UINT	INTEGER	Z_IDENTITY	N				
5	0	6	8	GSTG1B43	DESCRIPTION				N				
		0	4	GST0BB27	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BB28	V	UINT	STRING	GSKT0299TM					
		5	3	GST0BB29	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0BB2A	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	N				
7	0	8	16	GSTG1B44	DESCRIPTION				N				
		0	3	GST0BB2B	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BB2C	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BB2D	SIG	UINT	STRING	GSKT0230TM					
8	0	10	8	GSTG1B45	DESCRIPTION				N				
		0	4	GST0BB2E	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BB2F	NDS	UINT	STRING	GSKT0254TM					
9	0	11	8	GST0BB30	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
10	0	12	8	GSTG1B46	DESCRIPTION				N				
		0	2	GST0BB31	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BB32	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BB33	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BB34	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BB35	CRM	UINT	STRING	GSKT0257TM					
11	0	13	8	GSTG1B47	DESCRIPTION				N				
		0	2	GST0BB36	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BB37	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BB38	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BB39	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BB3A	CDM	UINT	STRING	GSKT0260TM					
12	0	14	8	GST0BB3B	TS	UINT	STRING	GSKT0261TM	N				
13	0	15	8	GSTG1B48	DESCRIPTION				N				
		0	1	GST0BB3C	FRIT	UINT	STRING	GSKT0262TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		1	1	GST0BB3D	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BB3E	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BB3F	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BB40	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BB41	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BB42	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BB43	FDTH	UINT	STRING	GSKT0265TM					
14	0	16	16	GSTG1B49	DESCRIPTION				N				
		0	3	GST0BB44	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BB45	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BB46	SIG	UINT	STRING	GSKT0230TM					
15	0	18	8	GSTG1B4A	DESCRIPTION				N				
		0	4	GST0BB47	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BB48	NDS	UINT	STRING	GSKT0254TM					
16	0	19	8	GST0BB49	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
17	0	20	8	GSTG1B4B	DESCRIPTION				N				
		0	2	GST0BB4A	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BB4B	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BB4C	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BB4D	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BB4E	CRM	UINT	STRING	GSKT0257TM					
18	0	21	8	GSTG1B4C	DESCRIPTION				N				
		0	2	GST0BB4F	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BB50	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BB51	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BB52	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BB53	CDM	UINT	STRING	GSKT0260TM					
19	0	22	8	GST0BB54	TS	UINT	STRING	GSKT0261TM	N				
20	0	23	8	GSTG1B4D	DESCRIPTION				N				
		0	1	GST0BB55	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BB56	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BB57	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BB58	FRTH	UINT	STRING	GSKT0265TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST0BB59	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BB5A	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BB5B	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BB5C	FDTH	UINT	STRING	GSKT0265TM					
21	0	24	16	GSTG1B4E	DESCRIPTION				N				
		0	3	GST0BB5D	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BB5E	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BB5F	SIG	UINT	STRING	GSKT0230TM					
22	0	26	8	GSTG1B4F	DESCRIPTION				N				
		0	4	GST0BB60	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BB61	NDS	UINT	STRING	GSKT0254TM					
23	0	27	8	GST0BB62	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
24	0	28	8	GSTG1B50	DESCRIPTION				N				
		0	2	GST0BB63	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BB64	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BB65	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BB66	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BB67	CRM	UINT	STRING	GSKT0257TM					
25	0	29	8	GSTG1B51	DESCRIPTION				N				
		0	2	GST0BB68	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BB69	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BB6A	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BB6B	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BB6C	CDM	UINT	STRING	GSKT0260TM					
26	0	30	8	GST0BB6D	TS	UINT	STRING	GSKT0261TM	N				
27	0	31	8	GSTG1B52	DESCRIPTION				N				
		0	1	GST0BB6E	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BB6F	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BB70	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BB71	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BB72	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BB73	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BB74	FDSP	UINT	STRING	GSKT0267TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		7	1	GST0BB75	FDTH	UINT	STRING	GSKT0265TM					
28	0	32	16	GSTG1B53	DESCRIPTION				N				
		0	3	GST0BB76	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BB77	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BB78	SIG	UINT	STRING	GSKT0230TM					
29	0	34	8	GSTG1B54	DESCRIPTION				N				
		0	4	GST0BB79	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BB7A	NDS	UINT	STRING	GSKT0254TM					
30	0	35	8	GST0BB7B	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
31	0	36	8	GSTG1B55	DESCRIPTION				N				
		0	2	GST0BB7C	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BB7D	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BB7E	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BB7F	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BB80	CRM	UINT	STRING	GSKT0257TM					
32	0	37	8	GSTG1B56	DESCRIPTION				N				
		0	2	GST0BB81	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BB82	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BB83	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BB84	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BB85	CDM	UINT	STRING	GSKT0260TM					
33	0	38	8	GST0BB86	TS	UINT	STRING	GSKT0261TM	N				
34	0	39	8	GSTG1B57	DESCRIPTION				N				
		0	1	GST0BB87	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BB88	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BB89	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BB8A	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BB8B	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BB8C	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BB8D	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BB8E	FDTH	UINT	STRING	GSKT0265TM					
35	0	40	16	GSTG1B58	DESCRIPTION				N				
		0	3	GST0BB8F	CONS	UINT	INTEGER	Z_IDENTITY					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		3	8	GST0BB90	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BB91	SIG	UINT	STRING	GSKT0230TM					
36	0	42	8	GSTG1B59	DESCRIPTION				N				
		0	4	GST0BB92	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BB93	NDS	UINT	STRING	GSKT0254TM					
37	0	43	8	GST0BB94	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
38	0	44	8	GSTG1B5A	DESCRIPTION				N				
		0	2	GST0BB95	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BB96	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BB97	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BB98	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BB99	CRM	UINT	STRING	GSKT0257TM					
39	0	45	8	GSTG1B5B	DESCRIPTION				N				
		0	2	GST0BB9A	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BB9B	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BB9C	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BB9D	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BB9E	CDM	UINT	STRING	GSKT0260TM					
40	0	46	8	GST0BB9F	TS	UINT	STRING	GSKT0261TM	N				
41	0	47	8	GSTG1B5C	DESCRIPTION				N				
		0	1	GST0BBA0	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BBA1	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BBA2	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BBA3	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BBA4	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BBA5	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BBA6	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BBA7	FDTH	UINT	STRING	GSKT0265TM					
42	0	48	16	GSTG1B5D	DESCRIPTION				N				
		0	3	GST0BBA8	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BBA9	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BBAA	SIG	UINT	STRING	GSKT0230TM					
43	0	50	8	GSTG1B5E	DESCRIPTION				N				



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		0	4	GST0BBAB	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BBAC	NDS	UINT	STRING	GSKT0254TM					
44	0	51	8	GST0BBAD	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
45	0	52	8	GSTG1B5F	DESCRIPTION				N				
		0	2	GST0BBAE	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BBAF	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BBB0	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BBB1	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BBB2	CRM	UINT	STRING	GSKT0257TM					
46	0	53	8	GSTG1B60	DESCRIPTION				N				
		0	2	GST0BBB3	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BBB4	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BBB5	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BBB6	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BBB7	CDM	UINT	STRING	GSKT0260TM					
47	0	54	8	GST0BBB8	TS	UINT	STRING	GSKT0261TM	N				
48	0	55	8	GSTG1B61	DESCRIPTION				N				
		0	1	GST0BBB9	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BBBA	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BBBB	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BBBC	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BBBD	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BBBE	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BBBF	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BBC0	FDTH	UINT	STRING	GSKT0265TM					
49	0	56	16	GSTG1B62	DESCRIPTION				N				
		0	3	GST0BBC1	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BBC2	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BBC3	SIG	UINT	STRING	GSKT0230TM					
50	0	58	8	GSTG1B63	DESCRIPTION				N				
		0	4	GST0BBC4	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BBC5	NDS	UINT	STRING	GSKT0254TM					
51	0	59	8	GST0BBC6	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				





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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
52	0	60	8	GSTG1B64	DESCRIPTION				N				
		0	2	GST0BBC7	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BBC8	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BBC9	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BBCA	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BBCB	CRM	UINT	STRING	GSKT0257TM					
53	0	61	8	GSTG1B65	DESCRIPTION				N				
		0	2	GST0BBCC	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BBCD	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BBCE	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BBCF	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BBD0	CDM	UINT	STRING	GSKT0260TM					
54	0	62	8	GST0BBD1	TS	UINT	STRING	GSKT0261TM	N				
55	0	63	8	GSTG1B66	DESCRIPTION				N				
		0	1	GST0BBD2	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BBD3	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BBD4	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BBD5	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BBD6	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BBD7	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BBD8	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BBD9	FDTH	UINT	STRING	GSKT0265TM					
56	0	64	16	GSTG1B67	DESCRIPTION				N				
		0	3	GST0BBDA	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BBDB	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BBDC	SIG	UINT	STRING	GSKT0230TM					
57	0	66	8	GSTG1B68	DESCRIPTION				N				
		0	4	GST0BBDD	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BBDE	NDS	UINT	STRING	GSKT0254TM					
58	0	67	8	GST0BBDF	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
59	0	68	8	GSTG1B69	DESCRIPTION				N				
		0	2	GST0BBE0	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BBE1	CRBW	UINT	INTEGER	Z_IDENTITY					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST0BBE2	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BBE3	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BBE4	CRM	UINT	STRING	GSKT0257TM					
60	0	69	8	GSTG1B6A	DESCRIPTION				N				
		0	2	GST0BBE5	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BBE6	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BBE7	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BBE8	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BBE9	CDM	UINT	STRING	GSKT0260TM					
61	0	70	8	GST0BBEA	TS	UINT	STRING	GSKT0261TM	N				
62	0	71	8	GSTG1B6B	DESCRIPTION				N				
		0	1	GST0BBEB	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BBEC	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BBED	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BBEE	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BBEF	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BBF0	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BBF1	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BBF2	FDTH	UINT	STRING	GSKT0265TM					
63	0	72	16	GSTG1B6C	DESCRIPTION				N				
		0	3	GST0BBF3	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BBF4	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BBF5	SIG	UINT	STRING	GSKT0230TM					
64	0	74	8	GSTG1B6D	DESCRIPTION				N				
		0	4	GST0BBF6	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BBF7	NDS	UINT	STRING	GSKT0254TM					
65	0	75	8	GST0BBF8	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
66	0	76	8	GSTG1B6E	DESCRIPTION				N				
		0	2	GST0BBF9	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BBFA	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BBFB	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BBFC	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BBFD	CRM	UINT	STRING	GSKT0257TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
67	0	77	8	GSTG1B6F	DESCRIPTION				N				
		0	2	GST0BBFE	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BBFF	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC00	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BC01	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BC02	CDM	UINT	STRING	GSKT0260TM					
68	0	78	8	GST0BC03	TS	UINT	STRING	GSKT0261TM	N				
69	0	79	8	GSTG1B70	DESCRIPTION				N				
		0	1	GST0BC04	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BC05	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BC06	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BC07	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BC08	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BC09	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BC0A	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BC0B	FDTH	UINT	STRING	GSKT0265TM					
70	0	80	16	GSTG1B71	DESCRIPTION				N				
		0	3	GST0BC0C	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BC0D	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BC0E	SIG	UINT	STRING	GSKT0230TM					
71	0	82	8	GSTG1B72	DESCRIPTION				N				
		0	4	GST0BC0F	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BC10	NDS	UINT	STRING	GSKT0254TM					
72	0	83	8	GST0BC11	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
73	0	84	8	GSTG1B73	DESCRIPTION				N				
		0	2	GST0BC12	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC13	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC14	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BC15	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BC16	CRM	UINT	STRING	GSKT0257TM					
74	0	85	8	GSTG1B74	DESCRIPTION				N				
		0	2	GST0BC17	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC18	CDBW	UINT	INTEGER	Z_IDENTITY					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST0BC19	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BC1A	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BC1B	CDM	UINT	STRING	GSKT0260TM					
75	0	86	8	GST0BC1C	TS	UINT	STRING	GSKT0261TM	N				
76	0	87	8	GSTG1B75	DESCRIPTION				N				
		0	1	GST0BC1D	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BC1E	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BC1F	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BC20	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BC21	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BC22	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BC23	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BC24	FDTH	UINT	STRING	GSKT0265TM					
77	0	88	16	GSTG1B76	DESCRIPTION				N				
		0	3	GST0BC25	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BC26	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BC27	SIG	UINT	STRING	GSKT0230TM					
78	0	90	8	GSTG1B77	DESCRIPTION				N				
		0	4	GST0BC28	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BC29	NDS	UINT	STRING	GSKT0254TM					
79	0	91	8	GST0BC2A	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
80	0	92	8	GSTG1B78	DESCRIPTION				N				
		0	2	GST0BC2B	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC2C	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC2D	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BC2E	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BC2F	CRM	UINT	STRING	GSKT0257TM					
81	0	93	8	GSTG1B79	DESCRIPTION				N				
		0	2	GST0BC30	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC31	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC32	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BC33	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BC34	CDM	UINT	STRING	GSKT0260TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
82	0	94	8	GST0BC35	TS	UINT	STRING	GSKT0261TM	N				
83	0	95	8	GSTG1B7A	DESCRIPTION				N				
		0	1	GST0BC36	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BC37	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BC38	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BC39	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BC3A	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BC3B	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BC3C	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BC3D	FDTH	UINT	STRING	GSKT0265TM					
84	0	96	16	GSTG1B7B	DESCRIPTION				N				
		0	3	GST0BC3E	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BC3F	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BC40	SIG	UINT	STRING	GSKT0230TM					
85	0	98	8	GSTG1B7C	DESCRIPTION				N				
		0	4	GST0BC41	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BC42	NDS	UINT	STRING	GSKT0254TM					
86	0	99	8	GST0BC43	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
87	0	100	8	GSTG1B7D	DESCRIPTION				N				
		0	2	GST0BC44	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC45	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC46	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BC47	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BC48	CRM	UINT	STRING	GSKT0257TM					
88	0	101	8	GSTG1B7E	DESCRIPTION				N				
		0	2	GST0BC49	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC4A	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC4B	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BC4C	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BC4D	CDM	UINT	STRING	GSKT0260TM					
89	0	102	8	GST0BC4E	TS	UINT	STRING	GSKT0261TM	N				
90	0	103	8	GSTG1B7F	DESCRIPTION				N				
		0	1	GST0BC4F	FRIT	UINT	STRING	GSKT0262TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport_ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		1	1	GST0BC50	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BC51	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BC52	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BC53	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BC54	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BC55	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BC56	FDTH	UINT	STRING	GSKT0265TM					
91	0	104	16	GSTG1B80	DESCRIPTION				N				
		0	3	GST0BC57	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BC58	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BC59	SIG	UINT	STRING	GSKT0230TM					
92	0	106	8	GSTG1B81	DESCRIPTION				N				
		0	4	GST0BC5A	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BC5B	NDS	UINT	STRING	GSKT0254TM					
93	0	107	8	GST0BC5C	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
94	0	108	8	GSTG1B82	DESCRIPTION				N				
		0	2	GST0BC5D	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC5E	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC5F	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BC60	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BC61	CRM	UINT	STRING	GSKT0257TM					
95	0	109	8	GSTG1B83	DESCRIPTION				N				
		0	2	GST0BC62	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC63	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC64	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BC65	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BC66	CDM	UINT	STRING	GSKT0260TM					
96	0	110	8	GST0BC67	TS	UINT	STRING	GSKT0261TM	N				
97	0	111	8	GSTG1B84	DESCRIPTION				N				
		0	1	GST0BC68	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BC69	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BC6A	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BC6B	FRTH	UINT	STRING	GSKT0265TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST0BC6C	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BC6D	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BC6E	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BC6F	FDTH	UINT	STRING	GSKT0265TM					
98	0	112	16	GSTG1B85	DESCRIPTION				N				
		0	3	GST0BC70	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BC71	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BC72	SIG	UINT	STRING	GSKT0230TM					
99	0	114	8	GSTG1B86	DESCRIPTION				N				
		0	4	GST0BC73	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BC74	NDS	UINT	STRING	GSKT0254TM					
100	0	115	8	GST0BC75	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
101	0	116	8	GSTG1B87	DESCRIPTION				N				
		0	2	GST0BC76	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC77	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC78	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BC79	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BC7A	CRM	UINT	STRING	GSKT0257TM					
102	0	117	8	GSTG1B88	DESCRIPTION				N				
		0	2	GST0BC7B	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC7C	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC7D	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BC7E	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BC7F	CDM	UINT	STRING	GSKT0260TM					
103	0	118	8	GST0BC80	TS	UINT	STRING	GSKT0261TM	N				
104	0	119	8	GSTG1B89	DESCRIPTION				N				
		0	1	GST0BC81	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BC82	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BC83	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BC84	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BC85	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BC86	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BC87	FDSP	UINT	STRING	GSKT0267TM					



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		7	1	GST0BC88	FDTH	UINT	STRING	GSKT0265TM					
105	0	120	16	GSTG1B8A	DESCRIPTION				N				
		0	3	GST0BC89	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BC8A	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BC8B	SIG	UINT	STRING	GSKT0230TM					
106	0	122	8	GSTG1B8B	DESCRIPTION				N				
		0	4	GST0BC8C	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BC8D	NDS	UINT	STRING	GSKT0254TM					
107	0	123	8	GST0BC8E	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
108	0	124	8	GSTG1B8C	DESCRIPTION				N				
		0	2	GST0BC8F	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC90	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC91	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BC92	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BC93	CRM	UINT	STRING	GSKT0257TM					
109	0	125	8	GSTG1B8D	DESCRIPTION				N				
		0	2	GST0BC94	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BC95	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BC96	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BC97	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BC98	CDM	UINT	STRING	GSKT0260TM					
110	0	126	8	GST0BC99	TS	UINT	STRING	GSKT0261TM	N				
111	0	127	8	GSTG1B8E	DESCRIPTION				N				
		0	1	GST0BC9A	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BC9B	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BC9C	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BC9D	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BC9E	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BC9F	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BCA0	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BCA1	FDTH	UINT	STRING	GSKT0265TM					
112	0	128	16	GSTG1B8F	DESCRIPTION				N				
		0	3	GST0BCA2	CONS	UINT	INTEGER	Z_IDENTITY					





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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		3	8	GST0BCA3	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BCA4	SIG	UINT	STRING	GSKT0230TM					
113	0	130	8	GSTG1B90	DESCRIPTION				N				
		0	4	GST0BCA5	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BCA6	NDS	UINT	STRING	GSKT0254TM					
114	0	131	8	GST0BCA7	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
115	0	132	8	GSTG1B91	DESCRIPTION				N				
		0	2	GST0BCA8	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BCA9	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BCAA	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BCAB	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BCAC	CRM	UINT	STRING	GSKT0257TM					
116	0	133	8	GSTG1B92	DESCRIPTION				N				
		0	2	GST0BCAD	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BCAE	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BCAF	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BCB0	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BCB1	CDM	UINT	STRING	GSKT0260TM					
117	0	134	8	GST0BCB2	TS	UINT	STRING	GSKT0261TM	N				
118	0	135	8	GSTG1B93	DESCRIPTION				N				
		0	1	GST0BCB3	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BCB4	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BCB5	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BCB6	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BCB7	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BCB8	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BCB9	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BCBA	FDTH	UINT	STRING	GSKT0265TM					
119	0	136	16	GSTG1B94	DESCRIPTION				N				
		0	3	GST0BCBB	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BCBC	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BCBD	SIG	UINT	STRING	GSKT0230TM					
120	0	138	8	GSTG1B95	DESCRIPTION				N				



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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS			Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		0	4	GST0BCBE	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BCBF	NDS	UINT	STRING	GSKT0254TM					
121	0	139	8	GST0BCC0	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
122	0	140	8	GSTG1B96	DESCRIPTION				N				
		0	2	GST0BCC1	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BCC2	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BCC3	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BCC4	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BCC5	CRM	UINT	STRING	GSKT0257TM					
123	0	141	8	GSTG1B97	DESCRIPTION				N				
		0	2	GST0BCC6	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BCC7	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BCC8	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BCC9	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BCCA	CDM	UINT	STRING	GSKT0260TM					
124	0	142	8	GST0BCCB	TS	UINT	STRING	GSKT0261TM	N				
125	0	143	8	GSTG1B98	DESCRIPTION				N				
		0	1	GST0BCCC	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BCCD	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BCCE	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BCCF	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BCD0	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BCD1	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BCD2	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BCD3	FDTH	UINT	STRING	GSKT0265TM					
126	0	144	16	GSTG1B99	DESCRIPTION				N				
		0	3	GST0BCD4	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BCD5	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BCD6	SIG	UINT	STRING	GSKT0230TM					
127	0	146	8	GSTG1B9A	DESCRIPTION				N				
		0	4	GST0BCD7	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BCD8	NDS	UINT	STRING	GSKT0254TM					
128	0	147	8	GST0BCD9	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				



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TM Packets Structure

Date: 21.11.2011  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS			Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
129	0	148	8	GSTG1B9B	DESCRIPTION				N				
		0	2	GST0BCDA	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BCDB	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BCDC	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BCDD	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BCDE	CRM	UINT	STRING	GSKT0257TM					
130	0	149	8	GSTG1B9C	DESCRIPTION				N				
		0	2	GST0BCDF	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BCE0	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BCE1	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BCE2	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BCE3	CDM	UINT	STRING	GSKT0260TM					
131	0	150	8	GST0BCE4	TS	UINT	STRING	GSKT0261TM	N				
132	0	151	8	GSTG1B9D	DESCRIPTION				N				
		0	1	GST0BCE5	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BCE6	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BCE7	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BCE8	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BCE9	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BCEA	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BCEB	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BCEC	FDTH	UINT	STRING	GSKT0265TM					
133	0	152	16	GSTG1B9E	DESCRIPTION				N				
		0	3	GST0BCED	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BCEE	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BCEF	SIG	UINT	STRING	GSKT0230TM					
134	0	154	8	GSTG1B9F	DESCRIPTION				N				
		0	4	GST0BCF0	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BCF1	NDS	UINT	STRING	GSKT0254TM					
135	0	155	8	GST0BCF2	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
136	0	156	8	GSTG1BA0	DESCRIPTION				N				
		0	2	GST0BCF3	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BCF4	CRBW	UINT	INTEGER	Z_IDENTITY					



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TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST0BCF5	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BCF6	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BCF7	CRM	UINT	STRING	GSKT0257TM					
137	0	157	8	GSTG1BA1	DESCRIPTION				N				
		0	2	GST0BCF8	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BCF9	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BCFA	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BCFB	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BCFC	CDM	UINT	STRING	GSKT0260TM					
138	0	158	8	GST0BCFD	TS	UINT	STRING	GSKT0261TM	N				
139	0	159	8	GSTG1BA2	DESCRIPTION				N				
		0	1	GST0BCFE	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BCFF	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BD00	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BD01	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BD02	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BD03	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BD04	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BD05	FDTH	UINT	STRING	GSKT0265TM					
140	0	160	16	GSTG1BA3	DESCRIPTION				N				
		0	3	GST0BD06	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BD07	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BD08	SIG	UINT	STRING	GSKT0230TM					
141	0	162	8	GSTG1BA4	DESCRIPTION				N				
		0	4	GST0BD09	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BD0A	NDS	UINT	STRING	GSKT0254TM					
142	0	163	8	GST0BD0B	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
143	0	164	8	GSTG1BA5	DESCRIPTION				N				
		0	2	GST0BD0C	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BD0D	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BD0E	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BD0F	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BD10	CRM	UINT	STRING	GSKT0257TM					



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TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
144	0	165	8	GSTG1BA6	DESCRIPTION				N				
		0	2	GST0BD11	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BD12	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BD13	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BD14	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BD15	CDM	UINT	STRING	GSKT0260TM					
145	0	166	8	GST0BD16	TS	UINT	STRING	GSKT0261TM	N				
146	0	167	8	GSTG1BA7	DESCRIPTION				N				
		0	1	GST0BD17	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BD18	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BD19	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BD1A	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BD1B	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BD1C	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BD1D	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BD1E	FDTH	UINT	STRING	GSKT0265TM					
147	0	168	16	GSTG1BA8	DESCRIPTION				N				
		0	3	GST0BD1F	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BD20	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BD21	SIG	UINT	STRING	GSKT0230TM					
148	0	170	8	GSTG1BA9	DESCRIPTION				N				
		0	4	GST0BD22	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BD23	NDS	UINT	STRING	GSKT0254TM					
149	0	171	8	GST0BD24	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
150	0	172	8	GSTG1BAA	DESCRIPTION				N				
		0	2	GST0BD25	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BD26	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BD27	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BD28	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BD29	CRM	UINT	STRING	GSKT0257TM					
151	0	173	8	GSTG1BAB	DESCRIPTION				N				
		0	2	GST0BD2A	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BD2B	CDBW	UINT	INTEGER	Z_IDENTITY					



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TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST0BD2C	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BD2D	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BD2E	CDM	UINT	STRING	GSKT0260TM					
152	0	174	8	GST0BD2F	TS	UINT	STRING	GSKT0261TM	N				
153	0	175	8	GSTG1BAC	DESCRIPTION				N				
		0	1	GST0BD30	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BD31	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BD32	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BD33	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BD34	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BD35	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BD36	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BD37	FDTH	UINT	STRING	GSKT0265TM					
154	0	176	16	GSTG1BAD	DESCRIPTION				N				
		0	3	GST0BD38	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BD39	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BD3A	SIG	UINT	STRING	GSKT0230TM					
155	0	178	8	GSTG1BAE	DESCRIPTION				N				
		0	4	GST0BD3B	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BD3C	NDS	UINT	STRING	GSKT0254TM					
156	0	179	8	GST0BD3D	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
157	0	180	8	GSTG1BAF	DESCRIPTION				N				
		0	2	GST0BD3E	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BD3F	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BD40	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BD41	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BD42	CRM	UINT	STRING	GSKT0257TM					
158	0	181	8	GSTG1BB0	DESCRIPTION				N				
		0	2	GST0BD43	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BD44	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BD45	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BD46	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BD47	CDM	UINT	STRING	GSKT0260TM					



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
159	0	182	8	GST0BD48	TS	UINT	STRING	GSKT0261TM	N				
160	0	183	8	GSTG1BB1	DESCRIPTION				N				
		0	1	GST0BD49	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BD4A	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BD4B	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BD4C	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BD4D	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BD4E	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BD4F	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BD50	FDTH	UINT	STRING	GSKT0265TM					
161	0	184	16	GSTG1BB2	DESCRIPTION				N				
		0	3	GST0BD51	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BD52	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BD53	SIG	UINT	STRING	GSKT0230TM					
162	0	186	8	GSTG1BB3	DESCRIPTION				N				
		0	4	GST0BD54	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BD55	NDS	UINT	STRING	GSKT0254TM					
163	0	187	8	GST0BD56	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
164	0	188	8	GSTG1BB4	DESCRIPTION				N				
		0	2	GST0BD57	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BD58	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BD59	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BD5A	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BD5B	CRM	UINT	STRING	GSKT0257TM					
165	0	189	8	GSTG1BB5	DESCRIPTION				N				
		0	2	GST0BD5C	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BD5D	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BD5E	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BD5F	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BD60	CDM	UINT	STRING	GSKT0260TM					
166	0	190	8	GST0BD61	TS	UINT	STRING	GSKT0261TM	N				
167	0	191	8	GSTG1BB6	DESCRIPTION				N				
		0	1	GST0BD62	FRIT	UINT	STRING	GSKT0262TM					



## Sentinel-2 SRDB Database Extract

TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	CHN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		1	1	GST0BD63	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BD64	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BD65	FRTH	UINT	STRING	GSKT0265TM					
		4	1	GST0BD66	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BD67	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BD68	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BD69	FDTH	UINT	STRING	GSKT0265TM					
168	0	192	16	GSTG1BB7	DESCRIPTION				N				
		0	3	GST0BD6A	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BD6B	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BD6C	SIG	UINT	STRING	GSKT0230TM					
169	0	194	8	GSTG1BB8	DESCRIPTION				N				
		0	4	GST0BD6D	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BD6E	NDS	UINT	STRING	GSKT0254TM					
170	0	195	8	GST0BD6F	SF_CHN	UINT	INTEGER	Z_IDENTITY	N				
171	0	196	8	GSTG1BB9	DESCRIPTION				N				
		0	2	GST0BD70	CRIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BD71	CRBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BD72	CRD	UINT	STRING	GSKT0255TM					
		5	1	GST0BD73	CRL	UINT	STRING	GSKT0256TM					
		6	2	GST0BD74	CRM	UINT	STRING	GSKT0257TM					
172	0	197	8	GSTG1BBA	DESCRIPTION				N				
		0	2	GST0BD75	CDIT	UINT	INTEGER	Z_IDENTITY					
		2	2	GST0BD76	CDBW	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BD77	CDD	UINT	STRING	GSKT0258TM					
		5	1	GST0BD78	CDL	UINT	STRING	GSKT0259TM					
		6	2	GST0BD79	CDM	UINT	STRING	GSKT0260TM					
173	0	198	8	GST0BD7A	TS	UINT	STRING	GSKT0261TM	N				
174	0	199	8	GSTG1BBB	DESCRIPTION				N				
		0	1	GST0BD7B	FRIT	UINT	STRING	GSKT0262TM					
		1	1	GST0BD7C	FRBW	UINT	STRING	GSKT0263TM					
		2	1	GST0BD7D	FRDS	UINT	STRING	GSKT0264TM					
		3	1	GST0BD7E	FRTH	UINT	STRING	GSKT0265TM					





# Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
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Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[Byte]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37234	R_ScienceDataReport__ChannelStatus_25_	212	1	49	12	796	Y	214	FIXED	GST0BA77	HN_STATUS		Y	37234	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		4	1	GST0BD7F	FDIT	UINT	STRING	GSKT0266TM					
		5	1	GST0BD80	FDBW	UINT	STRING	GSKT0263TM					
		6	1	GST0BD81	FDSP	UINT	STRING	GSKT0267TM					
		7	1	GST0BD82	FDTH	UINT	STRING	GSKT0265TM					



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

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Name: GSKT0230TM Descr: SIG

**Referenced by:**

From To Text

GST0BB2D SIG  
GST0BB46 SIG  
GST0BB5F SIG  
GST0BB78 SIG  
GST0BB91 SIG  
GST0BBAA SIG  
GST0BBC3 SIG  
GST0BBDC SIG  
GST0BBF5 SIG  
GST0BC0E SIG  
GST0BC27 SIG  
GST0BC40 SIG  
GST0BC59 SIG  
GST0BC72 SIG  
GST0BC8B SIG  
GST0BCA4 SIG  
GST0BCBD SIG  
GST0BCD6 SIG  
GST0BCEF SIG  
GST0BD08 SIG  
GST0BD21 SIG  
GST0BD3A SIG  
GST0BD53 SIG  
GST0BD6C SIG

0 GPS\_L1\_CA  
1 GPS\_L1\_P  
2 GPS\_L2\_CA  
3 GPS\_L2\_P  
4 GPS\_L2\_CM  
5 GPS\_L2\_CL  
6 NO\_SIGNAL



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Date: 21.11.2011  
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Name: GSKT0231TM Descr: ANT

**Referenced by:**

From To Text

GST0BB2E ANT  
GST0BB47 ANT  
GST0BB60 ANT  
GST0BB79 ANT  
GST0BB92 ANT  
GST0BBAB ANT  
GST0BBC4 ANT  
GST0BBDD ANT  
GST0BBF6 ANT  
GST0BC0F ANT  
GST0BC28 ANT  
GST0BC41 ANT  
GST0BC5A ANT  
GST0BC73 ANT  
GST0BC8C ANT  
GST0BCA5 ANT  
GST0BCBE ANT  
GST0BCD7 ANT  
GST0BCF0 ANT  
GST0BD09 ANT  
GST0BD22 ANT  
GST0BD3B ANT  
GST0BD54 ANT  
GST0BD6D ANT

0 FIRST\_ANTENNA  
1 SECOND\_ANTENNA

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**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0254TM Descr: NDS

**Referenced by:**

From To Text

GST0BB2F NDS  
GST0BB48 NDS  
GST0BB61 NDS  
GST0BB7A NDS  
GST0BB93 NDS  
GST0BBAC NDS  
GST0BBC5 NDS  
GST0BBDE NDS  
GST0BBF7 NDS  
GST0BC10 NDS  
GST0BC29 NDS  
GST0BC42 NDS  
GST0BC5B NDS  
GST0BC74 NDS  
GST0BC8D NDS  
GST0BCA6 NDS  
GST0BCBF NDS  
GST0BCD8 NDS  
GST0BCF1 NDS  
GST0BD0A NDS  
GST0BD23 NDS  
GST0BD3C NDS  
GST0BD55 NDS  
GST0BD6E NDS

0 NOT\_SYNC  
1 SYNC\_NAVDATA\_N  
2 INVALID  
3 SYNC\_NAVDATA\_I



**Sentinel-2**  
**SRDB Database Extract**  
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Database: SISS2MAS  
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Name: GSKT0255TM Descr: CRD

**Referenced by:**

From To Text

GST0BB33 CRD  
GST0BB4C CRD  
GST0BB65 CRD  
GST0BB7E CRD  
GST0BB97 CRD  
GST0BBB0 CRD  
GST0BBC9 CRD  
GST0BBE2 CRD  
GST0BBFB CRD  
GST0BC14 CRD  
GST0BC2D CRD  
GST0BC46 CRD  
GST0BC5F CRD  
GST0BC78 CRD  
GST0BC91 CRD  
GST0BCAA CRD  
GST0BCC3 CRD  
GST0BCDC CRD  
GST0BCF5 CRD  
GST0BD0E CRD  
GST0BD27 CRD  
GST0BD40 CRD  
GST0BD59 CRD  
GST0BD72 CRD

0 NO\_DETERIORATI  
1 DETERIORATION

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0256TM Descr: CRL

**Referenced by:**

From To Text

GST0BB34 CRL  
GST0BB4D CRL  
GST0BB66 CRL  
GST0BB7F CRL  
GST0BB98 CRL  
GST0BBB1 CRL  
GST0BBCA CRL  
GST0BBE3 CRL  
GST0BBFC CRL  
GST0BC15 CRL  
GST0BC2E CRL  
GST0BC47 CRL  
GST0BC60 CRL  
GST0BC79 CRL  
GST0BC92 CRL  
GST0BCAB CRL  
GST0BCC4 CRL  
GST0BCDD CRL  
GST0BCF6 CRL  
GST0BD0F CRL  
GST0BD28 CRL  
GST0BD41 CRL  
GST0BD5A CRL  
GST0BD73 CRL

0 NOT\_LOCKED  
1 LOCKED

---



**Sentinel-2**  
**SRDB Database Extract**  
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Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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Name: GSKT0257TM Descr: CRM

**Referenced by:**

From To Text

GST0BB35 CRM  
GST0BB4E CRM  
GST0BB67 CRM  
GST0BB80 CRM  
GST0BB99 CRM  
GST0BBB2 CRM  
GST0BBCB CRM  
GST0BBE4 CRM  
GST0BBFD CRM  
GST0BC16 CRM  
GST0BC2F CRM  
GST0BC48 CRM  
GST0BC61 CRM  
GST0BC7A CRM  
GST0BC93 CRM  
GST0BCAC CRM  
GST0BCC5 CRM  
GST0BCDE CRM  
GST0BCF7 CRM  
GST0BD10 CRM  
GST0BD29 CRM  
GST0BD42 CRM  
GST0BD5B CRM  
GST0BD74 CRM

0 NO\_ACTIVITIES  
1 ACQUISITION  
2 TRACKING  
3 ACQUISITION\_ER

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0258TM Descr: CDD

**Referenced by:**

From To Text

GST0BB38 CDD  
GST0BB51 CDD  
GST0BB6A CDD  
GST0BB83 CDD  
GST0BB9C CDD  
GST0BBB5 CDD  
GST0BBCE CDD  
GST0BBE7 CDD  
GST0BC00 CDD  
GST0BC19 CDD  
GST0BC32 CDD  
GST0BC4B CDD  
GST0BC64 CDD  
GST0BC7D CDD  
GST0BC96 CDD  
GST0BCAF CDD  
GST0BCC8 CDD  
GST0BCE1 CDD  
GST0BCFA CDD  
GST0BD13 CDD  
GST0BD2C CDD  
GST0BD45 CDD  
GST0BD5E CDD  
GST0BD77 CDD

0 NO\_DETERIORATI  
1 DETERIORATION

---





**Sentinel-2**  
**SRDB Database Extract**  
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Date: 21.11.2011  
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Name: GSKT0259TM Descr: CDL

**Referenced by:**

From To Text

GST0BB39 CDL  
GST0BB52 CDL  
GST0BB6B CDL  
GST0BB84 CDL  
GST0BB9D CDL  
GST0BBB6 CDL  
GST0BBCF CDL  
GST0BBE8 CDL  
GST0BC01 CDL  
GST0BC1A CDL  
GST0BC33 CDL  
GST0BC4C CDL  
GST0BC65 CDL  
GST0BC7E CDL  
GST0BC97 CDL  
GST0BCB0 CDL  
GST0BCC9 CDL  
GST0BCE2 CDL  
GST0BCFB CDL  
GST0BD14 CDL  
GST0BD2D CDL  
GST0BD46 CDL  
GST0BD5F CDL  
GST0BD78 CDL

0 NOT\_LOCKED  
1 LOCKED

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0260TM Descr: CDM

**Referenced by:**

From To Text

GST0BB3A CDM  
GST0BB53 CDM  
GST0BB6C CDM  
GST0BB85 CDM  
GST0BB9E CDM  
GST0BBB7 CDM  
GST0BBD0 CDM  
GST0BBE9 CDM  
GST0BC02 CDM  
GST0BC1B CDM  
GST0BC34 CDM  
GST0BC4D CDM  
GST0BC66 CDM  
GST0BC7F CDM  
GST0BC98 CDM  
GST0BCB1 CDM  
GST0BCCA CDM  
GST0BCE3 CDM  
GST0BCFC CDM  
GST0BD15 CDM  
GST0BD2E CDM  
GST0BD47 CDM  
GST0BD60 CDM  
GST0BD79 CDM

0 NO\_ACTIVITIES  
1 ACQUISITION  
2 TRACKING  
3 ACQUISITION\_ER

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

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Name: GSKT0261TM Descr: TS

**Referenced by:**

From	To	Text
		GST0BB3B TS
		GST0BB54 TS
		GST0BB6D TS
		GST0BB86 TS
		GST0BB9F TS
		GST0BBB8 TS
		GST0BBD1 TS
		GST0BBEA TS
		GST0BC03 TS
		GST0BC1C TS
		GST0BC35 TS
		GST0BC4E TS
		GST0BC67 TS
		GST0BC80 TS
		GST0BC99 TS
		GST0BCB2 TS
		GST0CCB TS
		GST0BCE4 TS
		GST0BCFD TS
		GST0BD16 TS
		GST0BD2F TS
		GST0BD48 TS
		GST0BD61 TS
		GST0BD7A TS

0	CA_INIT
1	CA_WAIT_PPS
2	CA_DISPATCH
3	CA_COLD_INIT
4	CA_COLD_WAIT_I
5	COLD_WAIT_ME_1
6	CA_COLD_MFC_SY
7	COLD_WAIT_ME_2
8	CA_COLD_START_
9	CA_COLD_1ST_DW
10	CA_FST_WARM_IN
11	CA_WARM_WAIT_I
12	CA_WARM_WAIT_M
13	CA_WARM_MFC_SY
14	CA_WARM_START_
15	CA_WARM_1ST_DW
16	_2D_RUN_WAIT_M
17	_2D_RUN_WAIT_I
18	CA_2ND_RUN_STA
19	CA_COLD_ACQ_FB
20	CA_FST_WARM_AC
21	CA_WARM_ACQ_FB
22	CA_DEFAULT_ACQ
23	CA_CODE_TRACKI



**Sentinel-2**  
**SRDB Database Extract**  
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24	CA_WARM_INIT
25	CA_DEFAULT_INI
26	CA_DEF_WAIT_IE
27	CA_DEF_WAIT_ME
28	DEF_WAIT_IE_IM
29	CA_DEF_START_S
30	DEF_1ST_DWELL
31	DEF_1_DWELL_WA
32	CA_CHANGE_DELA
33	CA_WAIT_CODE_L
34	CA_CODE_LOCK_C
35	CA_CODE_BW_RED
36	CA_PREP_FFT_SA
37	CA_COLL_FFT_SA
38	CA_WAIT_CARR_L
39	CA_CARR_LOCK_C
40	CA_CARR_BW_RED
41	COR_SPAC_6CC_4
42	COR_SPAC_4CC_2
43	CA_PREP_1ST_TI
44	CA_INIT_1ST_TI
45	CA_EXEC_1ST_TI
46	CA_TRACKING_ST
47	CA_EXEC_1ST_PA
48	CA_PREP_2ND_TI
49	CA_INIT_2ND_TI
50	CA_EXEC_2ND_TI
51	CA_EXEC_2ND_PA
52	CA_PREP_3RD_TI
53	CA_INIT_3RD_TI
54	CA_EXEC_3RD_TI
55	CA_EXEC_3RD_PA
56	CA_STEADY
57	P1_INIT
58	P1_WAIT_IE
59	P1_PREP_TINT_C
60	P1_INIT_TINT_C
61	P1_EXEC_TINT_C
62	P1_WAIT_CODE_L
63	P1_CODE_LOCK_C
64	P1_CODE_BW_RED
65	P1_TRACKING_ST
66	P1_EXEC_1ST_PA
67	P1_PREP_2ND_TI
68	P1_INIT_2ND_TI
69	P1_EXEC_2ND_TI
70	P1_EXEC_2ND_PA
71	P1_PREP_3RD_TI
72	P1_INIT_3RD_TI
73	P1_EXEC_3RD_TI
74	P1_EXEC_3RD_PA



**Sentinel-2**  
**SRDB Database Extract**  
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75	P1_STEADY
76	P2_INIT
77	P2_WAIT_IE
78	P2_PREP_TINT_C
79	P2_INIT_TINT_C
80	P2_EXEC_TINT_C
81	P2_WAIT_RETRY_
82	P2_INIT_CCC
83	P2_WRITE_P_COD
84	P2_RECOVER_P1_
85	P2_RECOVER_P2_
86	P2__START_CODE
87	P2_WRITE_CYCLE
88	P2_WAIT_ME
89	P2_START_SHIFT
90	P2_1ST_DWELL
91	P2_1ST_DWELL_W
92	P2_WAIT_CODE_L
93	P2_CODE_LOCK_C
94	P2_CODE_BW_RED
95	P2_PREP_FFT_SA
96	P2_COLL_FFT_SA
97	P2_WAIT_CARR_L
98	P2_CARR_LOCK_C
99	P2_CARR_BW_RED
100	P2_TRACKING_ST
101	P2_EXEC_1ST_PA
102	P2_PREP_2ND_TI
103	P2_INIT_2ND_TI
104	P2_EXEC_2ND_TI
105	P2_EXEC_2ND_PA
106	P2_PREP_3RD_TI
107	P2_INIT_3RD_TI
108	P2_EXEC_3RD_TI
109	P2_EXEC_3RD_PA
110	P2_STEADY
111	SLAVE_INIT
112	SL_WAIT_ME
113	SL_START_SHIFT
114	SL_WAIT_IE_IMT
115	SL_WAIT_IE
116	SL_PREP_1ST_TI
117	SL_INIT_1ST_TI
118	SL_EXEC_1ST_TI
119	SL_TIMESLOT_WA
120	SL_START_CODEG
121	SL_ACQ_FB
122	SL_CODE_TRACKI
123	SL_1ST_DWELL
124	SL_1ST_DWELL_W
125	SL_CHANGE_DELA



## Sentinel-2 SRDB Database Extract

TM Textual Calibration Curves

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126	SL_WAIT_CODE_L
127	SL_CODE_LOCK_C
128	SL_CODE_BW_RED
129	SL_PREP_FFT_SA
130	SL_COLL_FFT_SA
131	SL_WAIT_CARR_L
132	SL_CARR_LOCK_C
133	SL_CARR_BW_RED
134	S_CO_SP_6CC_4C
135	S_CO_SP_4CC_2C
136	SL_TRACKING_ST
137	SL_EXEC_1ST_PA
138	SL_PREP_2ND_TI
139	SL_INIT_2ND_TI
140	SL_EXEC_2ND_TI
141	SL_EXEC_2ND_PA
142	SL_PREP_3RD_TI
143	SL_INIT_3RD_TI
144	SL_EXEC_3RD_TI
145	SL_EXEC_3RD_PA
146	SL_STEADY
147	COD_ACQ_ERROR
148	COD_ACQ_ERR_RE
149	CAR_ACQ_ERROR
150	CAR_ACQ_ERR_RE
151	STOPPED
152	STOPPED_REPORT

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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Name: GSKT0262TM Descr: FRIT

**Referenced by:**

From To Text

GST0BB3C FRIT  
GST0BB55 FRIT  
GST0BB6E FRIT  
GST0BB87 FRIT  
GST0BBA0 FRIT  
GST0BBB9 FRIT  
GST0BBD2 FRIT  
GST0BBEB FRIT  
GST0BC04 FRIT  
GST0BC1D FRIT  
GST0BC36 FRIT  
GST0BC4F FRIT  
GST0BC68 FRIT  
GST0BC81 FRIT  
GST0BC9A FRIT  
GST0BCB3 FRIT  
GST0BCCC FRIT  
GST0BCE5 FRIT  
GST0BCFE FRIT  
GST0BD17 FRIT  
GST0BD30 FRIT  
GST0BD49 FRIT  
GST0BD62 FRIT  
GST0BD7B FRIT

0 NOT\_FINAL\_INTE  
1 INTEGRATION\_TI

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**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0263TM Descr: FRBW

**Referenced by:**

From To Text

GST0BB3D FRBW  
GST0BB41 FDBW  
GST0BB56 FRBW  
GST0BB5A FDBW  
GST0BB6F FRBW  
GST0BB73 FDBW  
GST0BB88 FRBW  
GST0BB8C FDBW  
GST0BBA1 FRBW  
GST0BBA5 FDBW  
GST0BBBA FRBW  
GST0BBBE FDBW  
GST0BBD3 FRBW  
GST0BBD7 FDBW  
GST0BBEC FRBW  
GST0BBF0 FDBW  
GST0BC05 FRBW  
GST0BC09 FDBW  
GST0BC1E FRBW  
GST0BC22 FDBW  
GST0BC37 FRBW  
GST0BC3B FDBW  
GST0BC50 FRBW  
GST0BC54 FDBW  
GST0BC69 FRBW  
GST0BC6D FDBW  
GST0BC82 FRBW  
GST0BC86 FDBW  
GST0BC9B FRBW  
GST0BC9F FDBW  
GST0BCB4 FRBW  
GST0BCB8 FDBW  
GST0BCCD FRBW  
GST0BCD1 FDBW  
GST0BCE6 FRBW  
GST0BCEA FDBW  
GST0BCFF FRBW  
GST0BD03 FDBW  
GST0BD18 FRBW  
GST0BD1C FDBW  
GST0BD31 FRBW  
GST0BD35 FDBW  
GST0BD4A FRBW  
GST0BD4E FDBW  
GST0BD63 FRBW  
GST0BD67 FDBW  
GST0BD7C FRBW  
GST0BD80 FDBW





**Sentinel-2**  
**SRDB Database Extract**  
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0 NO\_FINAL\_BANDW  
1 BANDWIDTH\_APPLI

Name: GSKT0264TM Descr: FRDS

**Referenced by:**

From To Text

GST0BB3E FRDS  
GST0BB57 FRDS  
GST0BB70 FRDS  
GST0BB89 FRDS  
GST0BBA2 FRDS  
GST0BBBB FRDS  
GST0BBD4 FRDS  
GST0BBED FRDS  
GST0BC06 FRDS  
GST0BC1F FRDS  
GST0BC38 FRDS  
GST0BC51 FRDS  
GST0BC6A FRDS  
GST0BC83 FRDS  
GST0BC9C FRDS  
GST0BCB5 FRDS  
GST0BCCE FRDS  
GST0BCE7 FRDS  
GST0BD00 FRDS  
GST0BD19 FRDS  
GST0BD32 FRDS  
GST0BD4B FRDS  
GST0BD64 FRDS  
GST0BD7D FRDS

0 NO\_FINAL\_DISCR  
1 DISCRIMINATOR\_



**Sentinel-2**  
**SRDB Database Extract**  
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Name: GSKT0265TM Descr: FRTH

**Referenced by:**

From To Text

GST0BB3F FRTH  
GST0BB43 FDTH  
GST0BB58 FRTH  
GST0BB5C FDTH  
GST0BB71 FRTH  
GST0BB75 FDTH  
GST0BB8A FRTH  
GST0BB8E FDTH  
GST0BBA3 FRTH  
GST0BBA7 FDTH  
GST0BBBC FRTH  
GST0BBC0 FDTH  
GST0BBD5 FRTH  
GST0BBD9 FDTH  
GST0BBEE FRTH  
GST0BBF2 FDTH  
GST0BC07 FRTH  
GST0BC0B FDTH  
GST0BC20 FRTH  
GST0BC24 FDTH  
GST0BC39 FRTH  
GST0BC3D FDTH  
GST0BC52 FRTH  
GST0BC56 FDTH  
GST0BC6B FRTH  
GST0BC6F FDTH  
GST0BC84 FRTH  
GST0BC88 FDTH  
GST0BC9D FRTH  
GST0BCA1 FDTH  
GST0BCB6 FRTH  
GST0BCBA FDTH  
GST0BCCF FRTH  
GST0BCD3 FDTH  
GST0BCE8 FRTH  
GST0BCEC FDTH  
GST0BD01 FRTH  
GST0BD05 FDTH  
GST0BD1A FRTH  
GST0BD1E FDTH  
GST0BD33 FRTH  
GST0BD37 FDTH  
GST0BD4C FRTH  
GST0BD50 FDTH  
GST0BD65 FRTH  
GST0BD69 FDTH  
GST0BD7E FRTH  
GST0BD82 FDTH



**Sentinel-2**  
**SRDB Database Extract**  
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0 NO\_FINAL\_THRES  
1 THRESHOLD\_APPL

Name: GSKT0266TM Descr: FDIT

**Referenced by:**

From To Text

GST0BB40 FDIT  
GST0BB59 FDIT  
GST0BB72 FDIT  
GST0BB8B FDIT  
GST0BB44 FDIT  
GST0BBBD FDIT  
GST0BBD6 FDIT  
GST0BBEF FDIT  
GST0BC08 FDIT  
GST0BC21 FDIT  
GST0BC3A FDIT  
GST0BC53 FDIT  
GST0BC6C FDIT  
GST0BC85 FDIT  
GST0BC9E FDIT  
GST0BCB7 FDIT  
GST0BCD0 FDIT  
GST0BCE9 FDIT  
GST0BD02 FDIT  
GST0BD1B FDIT  
GST0BD34 FDIT  
GST0BD4D FDIT  
GST0BD66 FDIT  
GST0BD7F FDIT

0 NO\_FINAL\_INTEG  
1 APPLIED\_INTEGR



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0267TM Descr: FDSP

**Referenced by:**

From	To	Text
		GST0BB42 FDSP
		GST0BB5B FDSP
		GST0BB74 FDSP
		GST0BB8D FDSP
		GST0BBA6 FDSP
		GST0BBBF FDSP
		GST0BBD8 FDSP
		GST0BBF1 FDSP
		GST0BC0A FDSP
		GST0BC23 FDSP
		GST0BC3C FDSP
		GST0BC55 FDSP
		GST0BC6E FDSP
		GST0BC87 FDSP
		GST0BCA0 FDSP
		GST0BCB9 FDSP
		GST0BCD2 FDSP
		GST0BCEB FDSP
		GST0BD04 FDSP
		GST0BD1D FDSP
		GST0BD36 FDSP
		GST0BD4F FDSP
		GST0BD68 FDSP
		GST0BD81 FDSP
0		NO_FINAL_CORRE
1		CORRELATOR_SPA

Name: GSKT0293TM Descr: SID

**Referenced by:**

From	To	Text
		GST0BA77 SID
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
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Database: SISS2MAS  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0BB25 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002





**Sentinel-2**  
**SRDB Database Extract**  
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Date: 21.11.2011  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

**Name:** GSKT0299TM **Descr:** V

**Referenced by:**  
GST0BB28 V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

**Name:** GSKT0300TM **Descr:** R\_MODE

**Referenced by:**  
GST0BB29 R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatn	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37235	R_ScienceDataReport__CarrierAmplitude_2_	212	1	49	6	790	Y	30	VAR_WI	GST0B617	CARR_AMPL			Y	37235	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0B617	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST0BD97	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST0BD98	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST0BD99	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG1BBC	DESCRIPTION				N	N	1	L	N
		0	4	GST0BD9A	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BD9B	V	UINT	STRING	GSKT0299TM					
		5	3	GST0BD9C	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0BD9D	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG1BBB	DESCRIPTION				N	N	1	L	N
		0	3	GST0BD9E	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BD9F	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BDA0	SIG	UINT	STRING	GSKT0230TM					
8	1	10	8	GSTG1BBE	DESCRIPTION				N	N	1	L	N
		0	4	GST0BDA1	ANT	UINT	STRING	GSKT0231TM					
		4	4	GST0BDA2	N_U_2	UINT	INTEGER	Z_IDENTITY					
9	1	11	8	GST0BDA3	SF_CHN	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
10	1	12	16	GST0BDA4	C_N_0	SINT	INTEGER	GSKP0268TM	N	N	1	L	N
11	1	14	16	GST0BDA5	AMPL	SINT	INTEGER	GSKP0269TM	N	N	1	L	N



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
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**Name:** GSKP0268TM **Descr:** C\_N\_0

**Referenced by:**

**Unit:** dBHz **X** **Y**

GST0BDA4 C\_N\_0

**Modelname:** GENERIC

-32768 -327.68

32767 327.67

**Name:** GSKP0269TM **Descr:** AMPL

**Referenced by:**

**Unit:** dB **X** **Y**

GST0BDA5 AMPL

**Modelname:** GENERIC

-32768 -327.68

32767 327.67



# Sentinel-2

## SRDB Database Extract

TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0230TM Descr: SIG

Referenced by:  
GST0BDA0 SIG

From	To	Text
0		GPS_L1_CA
1		GPS_L1_P
2		GPS_L2_CA
3		GPS_L2_P
4		GPS_L2_CM
5		GPS_L2_CL
6		NO_SIGNAL

Name: GSKT0231TM Descr: ANT

Referenced by:  
GST0BDA1 ANT

From	To	Text
0		FIRST_ANTENNA
1		SECOND_ANTENNA

Name: GSKT0293TM Descr: SID

Referenced by:  
GST0B617 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0BD98 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
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97	117
98	7
99	23
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103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST0BD9B V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST0BD9C R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



# Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37236	R_ScienceDataReport__NoiseHistogram_3_	212	1	49	12	796	Y	94	FIXED	GST0BA77	NOISE_HIST		Y	37236	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0BA77	SID	UINT	STRING	GSKT0293TM	N				
2	0	1	24	GST0BDBA	FILLER	UINT	INTEGER	Z_IDENTITY	N				
3	0	4	8	GST0BDBB	FE_TEMP	UINT	STRING	GSKT0298TM	N				
4	0	5	8	GST0BDBC	ID	UINT	INTEGER	Z_IDENTITY	N				
5	0	6	8	GSTG1BBF	DESCRIPTION				N				
		0	4	GST0BDBD	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0DBDE	V	UINT	STRING	GSKT0299TM					
		5	3	GST0BDBF	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0BDC0	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	N				
7	0	8	16	GSTG1BC0	DESCRIPTION				N				
		0	4	GST0BDC1	CHAIN	UINT	STRING	GSKT0270TM					
		4	12	GST0BDC2	N_U_2	UINT	INTEGER	Z_IDENTITY					
8	0	10	16	GST0BDC3	N_POWER	SINT	INTEGER	GSKP0269TM	N				
9	0	12	32	GST0BDC4	N_U_3	UINT	INTEGER	Z_IDENTITY	N				
10	0	16	16	GST0BDC5	LVL_I_P3	UINT	INTEGER	Z_IDENTITY	N				
11	0	18	16	GST0BDC6	LVL_I_P1	UINT	INTEGER	Z_IDENTITY	N				
12	0	20	16	GST0BDC7	LVL_I_M1	UINT	INTEGER	Z_IDENTITY	N				
13	0	22	16	GST0BDC8	LVL_I_M3	UINT	INTEGER	Z_IDENTITY	N				
14	0	24	32	GST0BDC9	N_U_4	UINT	INTEGER	Z_IDENTITY	N				
15	0	28	32	GST0BDCA	N_U_5	UINT	INTEGER	Z_IDENTITY	N				
16	0	32	16	GST0BDCB	LVL_Q_P3	UINT	INTEGER	Z_IDENTITY	N				
17	0	34	16	GST0BDCC	LVL_Q_P1	UINT	INTEGER	Z_IDENTITY	N				
18	0	36	16	GST0BDCD	LVL_Q_M1	UINT	INTEGER	Z_IDENTITY	N				
19	0	38	16	GST0BDCE	LVL_Q_M3	UINT	INTEGER	Z_IDENTITY	N				
20	0	40	32	GST0BDCF	N_U_6	UINT	INTEGER	Z_IDENTITY	N				
21	0	44	16	GSTG1BC1	DESCRIPTION				N				
		0	4	GST0BDD0	CHAIN	UINT	STRING	GSKT0270TM					
		4	12	GST0BDD1	N_U_2	UINT	INTEGER	Z_IDENTITY					
22	0	46	16	GST0BDD2	N_POWER	SINT	INTEGER	GSKP0269TM	N				
23	0	48	32	GST0BDD3	N_U_3	UINT	INTEGER	Z_IDENTITY	N				



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
 Page: 2 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37236	R_ScienceDataReport__NoiseHistogram_3_	212	1	49	12	796	Y	94	FIXED	GST0BA77	NOISE_HIST			Y	37236	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
24	0	52	16	GST0BDD4	LVL_I_P3	UINT	INTEGER	Z_IDENTITY	N				
25	0	54	16	GST0BDD5	LVL_I_P1	UINT	INTEGER	Z_IDENTITY	N				
26	0	56	16	GST0BDD6	LVL_I_M1	UINT	INTEGER	Z_IDENTITY	N				
27	0	58	16	GST0BDD7	LVL_I_M3	UINT	INTEGER	Z_IDENTITY	N				
28	0	60	32	GST0BDD8	N_U_4	UINT	INTEGER	Z_IDENTITY	N				
29	0	64	32	GST0BDD9	N_U_5	UINT	INTEGER	Z_IDENTITY	N				
30	0	68	16	GST0BDDA	LVL_Q_P3	UINT	INTEGER	Z_IDENTITY	N				
31	0	70	16	GST0BDDB	LVL_Q_P1	UINT	INTEGER	Z_IDENTITY	N				
32	0	72	16	GST0BDDC	LVL_Q_M1	UINT	INTEGER	Z_IDENTITY	N				
33	0	74	16	GST0BDDD	LVL_Q_M3	UINT	INTEGER	Z_IDENTITY	N				
34	0	76	32	GST0BDDE	N_U_6	UINT	INTEGER	Z_IDENTITY	N				



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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**Name:** GSKP0269TM **Descr:** AMPL

**Unit:** dB

X

Y

**Referenced by:**

GST0BDC3 N\_POWER  
GST0BDD2 N\_POWER

**Modelname:** GENERIC

-32768 -327.68  
32767 327.67



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Page: 1 of 6

**Name:** GSKT0270TM **Descr:** CHAIN

**Referenced by:**

GST0BDC1 CHAIN  
GST0BDD0 CHAIN

From	To	Text
0		ANTENNA_1__L1_
1		ANTENNA_1__L2_

**Name:** GSKT0293TM **Descr:** SID

**Referenced by:**

GST0BA77 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Page: 2 of 6

Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0BDBB FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
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97	117
98	7
99	23
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103	_161
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105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
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115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
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123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 4 of 6

132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

**Name:** GSKT0299TM **Descr:** V

**Referenced by:**  
GST0BDBE V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

**Name:** GSKT0300TM **Descr:** R\_MODE

**Referenced by:**  
GST0BDBF R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
 Page: 1 of 1

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37237	R_SciD__ScienceDataReport__AGC_Status_	212	1	49	13	797	Y	34	VAR_WI	GST0B86E	AGC_STATUS		Y	37237	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0B86E	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST0BDF3	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST0BDF4	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST0BDF5	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG1BC2	DESCRIPTION				N	N	1	L	N
		0	4	GST0BDF6	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BDF7	V	UINT	STRING	GSKT0299TM					
		5	3	GST0BDF8	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0BDF9	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	32	GST0BDFA	GCTS_MSB	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
8	1	12	32	GST0BDFB	GCTS_LSB	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
9	1	16	8	GSTG1BC3	DESCRIPTION				N	N	1	L	N
		0	4	GST0BDFC	CHAIN	UINT	STRING	GSKT0271TM					
		4	1	GST0BDFD	N_U	UINT	INTEGER	Z_IDENTITY					
		5	1	GST0BDFF	L	UINT	STRING	GSKT0272TM					
		6	1	GST0BDFF	U	UINT	STRING	GSKT0273TM					
		7	1	GST0BE00	E	UINT	STRING	GSKT0274TM					
10	1	17	8	GST0BE01	GAIN	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
11	1	18	16	GST0BE02	N_U_2	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N



## Sentinel-2 SRDB Database Extract

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page:

Name: GSKT0271TM Descr: CHAIN

Referenced by:  
GST0BDFC CHAIN

From	To	Text
0		ANTENNA_1__L1_
1		ANTENNA_1__L2_

Name: GSKT0272TM Descr: L

Referenced by:  
GST0BDFF L

From	To	Text
0		NOT_BELOW_LOWE
1		LOWER_SETTLING

Name: GSKT0273TM Descr: U

Referenced by:  
GST0BDFF U

From	To	Text
0		NOT_ABOVE_UPPE
1		UPPER_SETTLING

Name: GSKT0274TM Descr: E

Referenced by:  
GST0BE00 E

From	To	Text
0		AGC_DISABLED
1		AGC_ENABLED

Name: GSKT0293TM Descr: SID

Referenced by:  
GST0B86E SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0BDF4 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 3 of 6

81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 4 of 6

132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 5 of 6

183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 6 of 6

234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST0BDF7 V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST0BDF8 R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
 Page: 1 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37238	R_ScienceDataReport__GPS_NAV_Almanac_	212	1	49	13	797	Y	58	VAR_WI	GST0B86E	PS_NAV_ALM			Y	37238	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0B86E	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST0BE17	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST0BE18	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST0BE19	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG1BC4	DESCRIPTION				N	N	1	L	N
		0	4	GST0BE1A	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BE1B	V	UINT	STRING	GSKT0299TM					
		5	3	GST0BE1C	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0BE1D	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG1BC5	DESCRIPTION				N	N	1	L	N
		0	3	GST0BE1E	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BE1F	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BE20	N_U	UINT	INTEGER	Z_IDENTITY					
8	1	10	16	GST0BE21	T_REC	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
9	1	12	8	GST0BE22	ACQ_SV_ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
10	1	13	8	GST0BE23	N_U_2	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
11	1	14	8	GST0BE24	WNa	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
12	1	15	8	GSTG1BC6	DESCRIPTION				N	N	1	L	N
		0	3	GST0BE25	NDH	UINT	STRING	GSKT0008TM					
		3	5	GST0BE26	SH	UINT	STRING	GSKT0009TM					
13	1	16	16	GST0BE27	a_f0	SINT	INTEGER	GSKP0010TM	N	N	1	L	N
14	1	18	16	GST0BE28	a_f1	SINT	INTEGER	GSKP0011TM	N	N	1	L	N
15	1	20	8	GST0BE29	N_U_3	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
16	1	21	8	GST0BE2A	t_oa	UINT	INTEGER	GSKP0012TM	N	N	1	L	N
17	1	22	16	GST0BE2B	E	UINT	INTEGER	GSKP0013TM	N	N	1	L	N
18	1	24	16	GST0BE2C	rho_i	SINT	INTEGER	GSKP0014TM	N	N	1	L	N
19	1	26	16	GST0BE2D	Omega_DOT	SINT	INTEGER	GSKP0015TM	N	N	1	L	N
20	1	28	32	GST0BE2E	Root_A	UINT	INTEGER	GSKP0016TM	N	N	1	L	N
21	1	32	32	GST0BE2F	Omega_0	SINT	INTEGER	GSKP0017TM	N	N	1	L	N
22	1	36	32	GST0BE30	w	SINT	INTEGER	GSKP0017TM	N	N	1	L	N



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37238	R_ScienceDataReport__GPS_NAV_Almanac_	212	1	49	13	797	Y	58	VAR_WI	GST0B86E	P	S_NAV_ALM		Y	37238	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
23	1	40	32	GST0BE31	M_0	SINT	INTEGER	GSKP0017TM	N	N	1	L	N



# Sentinel-2

## SRDB Database Extract

### TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 1 of 2

Name: GSKP0010TM Descr: a\_f0

Referenced by:

Unit: s X Y

GST0BE27 a\_f0

Modelname: GENERIC

-1024 -0.0009766  
1023 0.00097561

Name: GSKP0011TM Descr: a\_f1

Referenced by:

Unit: s/s X Y

GST0BE28 a\_f1

Modelname: GENERIC

-1024 -3.725E-09  
1023 3.7217E-09

Name: GSKP0012TM Descr: t\_oa

Referenced by:

Unit: s X Y

GST0BE2A t\_oa

Modelname: GENERIC

0 0  
255 1044480

Name: GSKP0013TM Descr: E

Referenced by:

Unit: X Y

GST0BE2B E

Modelname: GENERIC

0 0  
65535 0.03124952

Name: GSKP0014TM Descr: rho\_i

Referenced by:

Unit: sc X Y

GST0BE2C rho\_i

Modelname: GENERIC

-32768 -0.0625  
32767 0.06249809

Name: GSKP0015TM Descr: Omega\_DOT

Referenced by:

Unit: sc/s X Y

GST0BE2D Omega\_DOT

Modelname: GENERIC

-32768 -1.192E-07  
32767 1.1921E-07

Name: GSKP0016TM Descr: Root\_A

Referenced by:

Unit: rotm X Y

GST0BE2E Root\_A

Modelname: GENERIC

0 0  
16777215 8191.99951



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 2 of 2

**Name:** GSKP0017TM **Descr:** Omega\_0

**Unit:** sc X Y

**Referenced by:**

GST0BE2F Omega\_0  
GST0BE30 w  
GST0BE31 M\_0

---

**Modelname:** GENERIC

-8388608 -1

8388607 0.99999988

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 1 of 7

Name: GSKT0008TM Descr: NDH

Referenced by:  
GST0BE25 NDH

From	To	Text
0		ALL_OK
1		PARITY_FAILURE
2		TLM_HOW_PROBLE
3		Z_COUNT_BAD
4		SUBFRAMES_1_2_
5		SUBFRAMES_4_5_
6		ALL_UPLOADED_B
7		ALL_DATA_BAD

Name: GSKT0009TM Descr: SH

Referenced by:  
GST0BE26 SH

From	To	Text
0		ALL_OK
1		ALL_WEAK
2		ALL_DEAD
3		ALL_WITHOUT_DA
4		L1_P_WEAK
5		L1_P_DEAD
6		L1_P_WITHOUT_D
7		L2_P_WEAK
8		L2_P_DEAD
9		L2_P_WITHOUT_D
10		L1_C_WEAK
11		L1_C_DEAD
12		L1_C_WITHOUT_D
13		L2_C_WEAK
14		L2_C_DEAD
15		L2_C_WITHOUT_D
16		L1_AND_L2_P_WE
17		L1_AND_L2_P_DE
18		L1_AND_L2_P_WI
19		L1_AND_L2_C_WE
20		L1_AND_L2_C_DE
21		L1_AND_L2_C_WI
22		L1_WEAK
23		L1_DEAD
24		L1_WITHOUT_DAT
25		L2_WEAK
26		L2_DEAD
27		L2_WITHOUT_DAT
28		GPS_SV_TEMP_OU
29		GPS_SV_WILL_BE
30		SPARE
31		OTHER_ANOMALIE



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 2 of 7

Name: GSKT0293TM Descr: SID

Referenced by:  
GST0B86E SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 3 of 7

Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0BE18 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 4 of 7

81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST0BE1B V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST0BE1C R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



# Sentinel-2

## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2. 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37239	R_ScienceDataRepor__GPS_NAV_Ephemeris	212	1	49	13	797	Y	90	VAR_WI	GST0B86E	P_S_NAV_EPH		Y	37239	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0B86E	SID	UINT	STRING	GSKT0293TM	N	N	1	L	N
2	0	1	24	GST0BE46	FILLER	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
3	0	4	8	GST0BE47	FE_TEMP	UINT	STRING	GSKT0298TM	N	N	1	L	N
4	0	5	8	GST0BE48	ID	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
5	0	6	8	GSTG1BC7	DESCRIPTION				N	N	1	L	N
		0	4	GST0BE49	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BE4A	V	UINT	STRING	GSKT0299TM					
		5	3	GST0BE4B	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0BE4C	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	Y	N	1	L	N
7	1	8	16	GSTG1BC8	DESCRIPTION				N	N	1	L	N
		0	3	GST0BE4D	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BE4E	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BE4F	N_U	UINT	INTEGER	Z_IDENTITY					
8	1	10	16	GST0BE50	T_REC	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
9	1	12	16	GSTG1BC9	DESCRIPTION				N	N	1	L	N
		0	1	GST0BE51	AS	UINT	STRING	GSKT0018TM					
		1	1	GST0BE52	D2	UINT	STRING	GSKT0019TM					
		2	1	GST0BE53	CF	UINT	STRING	GSKT0020TM					
		3	2	GST0BE54	C2	UINT	STRING	GSKT0021TM					
		5	1	GST0BE55	A	UINT	STRING	GSKT0022TM					
		6	1	GST0BE56	NH	UINT	STRING	GSKT0023TM					
		7	5	GST0BE57	SH	UINT	STRING	GSKT0024TM					
		12	4	GST0BE58	URA	UINT	INTEGER	Z_IDM					
10	1	14	16	GSTG1BCA	DESCRIPTION				N	N	1	L	N
		0	6	GST0BE59	N_U_2	UINT	INTEGER	Z_IDENTITY					
		6	10	GST0BE5A	WN	UINT	INTEGER	Z_IDENTITY					
11	1	16	16	GST0BE5B	IODC	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
12	1	18	16	GST0BE5C	a_f1	SINT	INTEGER	GSKP0025TM	N	N	1	L	N
13	1	20	32	GST0BE5D	a_f0	SINT	INTEGER	GSKP0026TM	N	N	1	L	N
14	1	24	8	GST0BE5E	a_f2	SINT	INTEGER	GSKP0027TM	N	N	1	L	N
15	1	25	8	GST0BE5F	T_GD	SINT	INTEGER	GSKP0028TM	N	N	1	L	N
16	1	26	16	GST0BE60	t_oc	UINT	INTEGER	GSKP0029TM	N	N	1	L	N



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2. 51  
Page: 2 of 2

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37239	R_ScienceDataRepor__GPS_NAV_Ephemeris	212	1	49	13	797	Y	90	VAR_WI	GST0B86E	PS_NAV_EPH			Y	37239	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
17	1	28	16	GST0BE61	IODE	UINT	INTEGER	Z_IDENTITY	N	N	1	L	N
18	1	30	16	GST0BE62	C_rs	SINT	INTEGER	GSKP0030TM	N	N	1	L	N
19	1	32	16	GST0BE63	C_rc	SINT	INTEGER	GSKP0030TM	N	N	1	L	N
20	1	34	16	GST0BE64	C_us	SINT	INTEGER	GSKP0031TM	N	N	1	L	N
21	1	36	16	GST0BE65	C_uc	SINT	INTEGER	GSKP0031TM	N	N	1	L	N
22	1	38	16	GST0BE66	C_is	SINT	INTEGER	GSKP0031TM	N	N	1	L	N
23	1	40	16	GST0BE67	C_ic	SINT	INTEGER	GSKP0031TM	N	N	1	L	N
24	1	42	16	GST0BE68	Delta_n	SINT	INTEGER	GSKP0032TM	N	N	1	L	N
25	1	44	32	GST0BE69	M_0	SINT	INTEGER	GSKP0033TM	N	N	1	L	N
26	1	48	32	GST0BE6A	E	UINT	INTEGER	GSKP0034TM	N	N	1	L	N
27	1	52	32	GST0BE6B	Root_A	UINT	INTEGER	GSKP0035TM	N	N	1	L	N
28	1	56	32	GST0BE6C	Omega_0	SINT	INTEGER	GSKP0033TM	N	N	1	L	N
29	1	60	32	GST0BE6D	i_0	SINT	INTEGER	GSKP0033TM	N	N	1	L	N
30	1	64	32	GST0BE6E	w	SINT	INTEGER	GSKP0033TM	N	N	1	L	N
31	1	68	32	GST0BE6F	Omega_DOT	SINT	INTEGER	GSKP0036TM	N	N	1	L	N
32	1	72	16	GST0BE70	t_oe	UINT	INTEGER	GSKP0029TM	N	N	1	L	N
33	1	74	16	GST0BE71	I_DOT	SINT	INTEGER	GSKP0037TM	N	N	1	L	N



# Sentinel-2

## SRDB Database Extract

### TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 1 of 2

Name: GSKP0025TM Descr: a\_f1

Unit: s/s X Y

Modelname: GENERIC

-32768 -3.73E-09  
32767 3.725E-09

Referenced by:

GST0BE5C a\_f1

Name: GSKP0026TM Descr: a\_f0

Unit: s X Y

Modelname: GENERIC

-2097152 -0.000977  
2097151 0.0009766

Referenced by:

GST0BE5D a\_f0

Name: GSKP0027TM Descr: a\_f2

Unit: s/s2 X Y

Modelname: GENERIC

-128 -3.55E-15  
127 3.525E-15

Referenced by:

GST0BE5E a\_f2

Name: GSKP0028TM Descr: T\_GD

Unit: s X Y

Modelname: GENERIC

-128 -5.96E-08  
127 5.914E-08

Referenced by:

GST0BE5F T\_GD

Name: GSKP0029TM Descr: t\_oc

Unit: s X Y

Modelname: GENERIC

0 0  
65535 1048560

Referenced by:

GST0BE60 t\_oc  
GST0BE70 t\_oe

Name: GSKP0030TM Descr: C\_rs

Unit: m X Y

Modelname: GENERIC

-32768 -1024  
32767 1023.9688

Referenced by:

GST0BE62 C\_rs  
GST0BE63 C\_rc

Name: GSKP0031TM Descr: C\_us

Unit: rad X Y

Modelname: GENERIC

-32768 -6.10E-05  
32767 6.103E-05

Referenced by:

GST0BE64 C\_us  
GST0BE65 C\_uc  
GST0BE66 C\_is  
GST0BE67 C\_ic



# Sentinel-2

## SRDB Database Extract

### TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 2 of 2

Name: GSKP0032TM Descr: Delta\_n

Unit: sc/s X Y

Modelname: GENERIC

-32768 -3.73E-09  
32767 3.725E-09

Referenced by:

GST0BE68 Delta\_n

Name: GSKP0033TM Descr: M\_0

Unit: sc X Y

Modelname: GENERIC

-2.15E+09 -1  
2.147E+09 1

Referenced by:

GST0BE69 M\_0  
GST0BE6C Omega\_0  
GST0BE6D i\_0  
GST0BE6E w

Name: GSKP0034TM Descr: E

Unit: X Y

Modelname: GENERIC

0 0  
4.295E+09 0.5

Referenced by:

GST0BE6A E

Name: GSKP0035TM Descr: Root\_A

Unit: rotm X Y

Modelname: GENERIC

0 0  
4.295E+09 8192

Referenced by:

GST0BE6B Root\_A

Name: GSKP0036TM Descr: Omega\_DOT

Unit: sc/s X Y

Modelname: GENERIC

-8388608 -9.54E-07  
8388607 9.537E-07

Referenced by:

GST0BE6F Omega\_DOT

Name: GSKP0037TM Descr: I\_DOT

Unit: sc/s X Y

Modelname: GENERIC

-8192 -9.31E-10  
8191 9.312E-10

Referenced by:

GST0BE71 I\_DOT





## Sentinel-2 SRDB Database Extract

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Page:

Name: GSKT0018TM Descr: AS

Referenced by:  
GST0BE51 AS

From	To	Text
0		ANTISPOOF_OFF
1		ANTISPOOF_ON

Name: GSKT0019TM Descr: D2

Referenced by:  
GST0BE52 D2

From	To	Text
0		DATA_FLAG_ON
1		DATA_FLAG_OFF

Name: GSKT0020TM Descr: CF

Referenced by:  
GST0BE53 CF

From	To	Text
0		_4HRS
1		OVER_4HRS

Name: GSKT0021TM Descr: C2

Referenced by:  
GST0BE54 C2

From	To	Text
0		RESERVED
1		PCODE_ON
2		CACODE_ON

Name: GSKT0022TM Descr: A

Referenced by:  
GST0BE55 A

From	To	Text
0		NOMINAL
1		UNAUTHORIZED_U

Name: GSKT0023TM Descr: NH

Referenced by:  
GST0BE56 NH

From	To	Text
0		NAV_DATA_OK
1		SOME_OR_ALL_NA



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 2 of 8

Name: GSKT0024TM Descr: SH

Referenced by:  
GST0BE57 SH

From	To	Text
0		ALL_OK
1		ALL_WEAK
2		ALL_DEAD
3		ALL_WITHOUT_DA
4		L1_P_WEAK
5		L1_P_DEAD
6		L1_P_WITHOUT_D
7		L2_P_WEAK
8		L2_P_DEAD
9		L2_P_WITHOUT_D
10		L1_C_WEAK
11		L1_C_DEAD
12		L1_C_WITHOUT_D
13		L2_C_WEAK
14		L2_C_DEAD
15		L2_C_WITHOUT_D
16		L1_AND_L2_P_WE
17		L1_AND_L2_P_DE
18		L1_AND_L2_P_WI
19		L1_AND_L2_C_WE
20		L1_AND_L2_C_DE
21		L1_AND_L2_C_WI
22		L1_WEAK
23		L1_DEAD
24		L1_WITHOUT_DAT
25		L2_WEAK
26		L2_DEAD
27		L2_WITHOUT_DAT
28		GPS_SV_TEMP_OU
29		GPS_SV_WILL_BE
30		SPARE
31		OTHER_ANOMALIE



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name: GSKT0293TM Descr: SID

Referenced by:  
GST0B86E SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Page: 4 of 8

Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0BE47 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 6 of 8

132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 7 of 8

183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 8 of 8

234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST0BE4A V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST0BE4B R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE





## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37240	R_Science__GPS_NAV.UTC_and_Ionospher	212	1	49	13	797	Y	50	FIXED	GST0B86E	NAV.UTC_IO		Y	37240	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0B86E	SID	UINT	STRING	GSKT0293TM	N				
2	0	1	24	GST0BE86	FILLER	UINT	INTEGER	Z_IDENTITY	N				
3	0	4	8	GST0BE87	FE_TEMP	UINT	STRING	GSKT0298TM	N				
4	0	5	8	GST0BE88	ID	UINT	INTEGER	Z_IDENTITY	N				
5	0	6	8	GSTG1BCB	DESCRIPTION				N				
		0	4	GST0BE89	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BE8A	V	UINT	STRING	GSKT0299TM					
		5	3	GST0BE8B	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0BE8C	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	N				
7	0	8	16	GSTG1BCC	DESCRIPTION				N				
		0	3	GST0BE8D	CONS	UINT	INTEGER	Z_IDENTITY					
		3	8	GST0BE8E	ACQ_SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	5	GST0BE8F	N_U_3	UINT	INTEGER	Z_IDENTITY					
8	0	10	16	GST0BE90	T_REC	UINT	INTEGER	Z_IDENTITY	N				
9	0	12	16	GST0BE91	N_U_4	UINT	INTEGER	Z_IDENTITY	N				
10	0	14	8	GST0BE92	delta_t_ls	SINT	INTEGER	Z_IDS	N				
11	0	15	8	GST0BE93	t_ot	UINT	INTEGER	GSKP0012TM	N				
12	0	16	8	GST0BE94	WN_t	UINT	INTEGER	Z_IDWK	N				
13	0	17	8	GST0BE95	WN_LSF	UINT	INTEGER	Z_IDWK	N				
14	0	18	8	GST0BE96	DN	UINT	INTEGER	Z_IDENTITY	N				
15	0	19	8	GST0BE97	delta_t_LSF	SINT	INTEGER	Z_IDS	N				
16	0	20	32	GST0BE98	A_0	SINT	INTEGER	GSKP0038TM	N				
17	0	24	32	GST0BE99	A_1	SINT	INTEGER	GSKP0039TM	N				
18	0	28	8	GST0BE9A	alpha0	SINT	INTEGER	GSKP0040TM	N				
19	0	29	8	GST0BE9B	alpha1	SINT	INTEGER	GSKP0041TM	N				
20	0	30	8	GST0BE9C	alpha2	SINT	INTEGER	GSKP0042TM	N				
21	0	31	8	GST0BE9D	alpha3	SINT	INTEGER	GSKP0043TM	N				
22	0	32	8	GST0BE9E	beta0	SINT	INTEGER	GSKP0044TM	N				
23	0	33	8	GST0BE9F	beta1	SINT	INTEGER	GSKP0045TM	N				
24	0	34	8	GST0BEA0	beta2	SINT	INTEGER	GSKP0046TM	N				



# Sentinel-2 SRDB Database Extract

TM Packets Structure

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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37240	R_Science__GPS_NAV.UTC_and_Ionospher	212	1	49	13	797	Y	50	FIXED	GST0B86E	NAV.UTC_IO			Y	37240	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
25	0	35	8	GST0BEA1	beta3	SINT	INTEGER	GSKP0047TM	N				



# Sentinel-2

## SRDB Database Extract

### TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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Name: GSKP0012TM Descr: t\_oa

Unit: s X Y

Modelname: GENERIC

0 0  
255 1044480

Referenced by:

GST0BE93 t\_ot

Name: GSKP0038TM Descr: A\_0

Unit: s X Y

Modelname: GENERIC

-2.15E+09 -2  
2.147E+09 2

Referenced by:

GST0BE98 A\_0

Name: GSKP0039TM Descr: A\_1

Unit: s/s X Y

Modelname: GENERIC

-8388608 -7.45E-09  
8388607 7.451E-09

Referenced by:

GST0BE99 A\_1

Name: GSKP0040TM Descr: alpha0

Unit: s X Y

Modelname: GENERIC

-128 -1.19E-07  
127 1.183E-07

Referenced by:

GST0BE9A alpha0

Name: GSKP0041TM Descr: alpha1

Unit: s/sc X Y

Modelname: GENERIC

-128 -9.54E-07  
127 9.462E-07

Referenced by:

GST0BE9B alpha1

Name: GSKP0042TM Descr: alpha2

Unit: s/c2 X Y

Modelname: GENERIC

-128 -7.63E-06  
127 7.57E-06

Referenced by:

GST0BE9C alpha2

Name: GSKP0043TM Descr: alpha3

Unit: s/c3 X Y

Modelname: GENERIC

-128 -7.63E-06  
127 7.57E-06

Referenced by:

GST0BE9D alpha3

Name: GSKP0044TM Descr: beta0

Unit: s X Y

Modelname: GENERIC

-128 -262144  
127 260096

Referenced by:

GST0BE9E beta0





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
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Name: GSKT0293TM Descr: SID

Referenced by:  
GST0B86E SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

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**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0BE87 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571





**Sentinel-2**  
**SRDB Database Extract**  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

**Name:** GSKT0299TM **Descr:** V

**Referenced by:**  
GST0BE8A V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

**Name:** GSKT0300TM **Descr:** R\_MODE

**Referenced by:**  
GST0BE8B R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37241	R_SciDa__ScienceDataReport__Auxiliary_9_	212	1	49	6	790	Y	54	FIXED	GST0B617	INTINEL_AUX		Y	37241	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	GST0B617	SID	UINT	STRING	GSKT0293TM	N				
2	0	1	24	GST0BEB6	FILLER	UINT	INTEGER	Z_IDENTITY	N				
3	0	4	8	GST0BEB7	FE_TEMP	UINT	STRING	GSKT0298TM	N				
4	0	5	8	GST0BEB8	ID	UINT	INTEGER	Z_IDENTITY	N				
5	0	6	8	GSTG1BCD	DESCRIPTION				N				
		0	4	GST0BEB9	SN	UINT	INTEGER	Z_IDENTITY					
		4	1	GST0BEBA	V	UINT	STRING	GSKT0299TM					
		5	3	GST0BEBB	R_MODE	UINT	STRING	GSKT0300TM					
6	0	7	8	GST0BEC	NOF_RECORD	UINT	INTEGER	Z_IDENTITY	N				
7	0	8	16	GSTG1BFE	DESCRIPTION				N				
		0	3	GST0C0F5	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST0BEBE	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BEBF	AS	UINT	STRING	GSKT0168TM					
		12	4	GST0BEC0	MF_CHN	UINT	INTEGER	Z_IDENTITY					
8	0	10	8	GST0BEC1	MFC_TS	UINT	STRING	GSKT0275TM	N				
9	0	11	8	GSTG1BCF	DESCRIPTION				N				
		0	2	GST0BEC2	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST0BEC3	C3	UINT	STRING	GSKT0277TM					
		3	1	GST0BEC4	C2	UINT	STRING	GSKT0278TM					
		4	1	GST0BEC5	C1	UINT	STRING	GSKT0279TM					
		5	1	GST0BEC6	A3	UINT	STRING	GSKT0280TM					
		6	1	GST0BEC7	A2	UINT	STRING	GSKT0281TM					
		7	1	GST0BEC8	A1	UINT	STRING	GSKT0281TM					
10	0	12	16	GSTG1BFF	DESCRIPTION				N				
		0	3	GST0C0F6	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST0BECA	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BECB	AS	UINT	STRING	GSKT0168TM					
		12	4	GST0BECC	MF_CHN	UINT	INTEGER	Z_IDENTITY					
11	0	14	8	GST0BECD	MFC_TS	UINT	STRING	GSKT0275TM	N				
12	0	15	8	GSTG1BD1	DESCRIPTION				N				
		0	2	GST0BECE	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST0BECF	C3	UINT	STRING	GSKT0277TM					



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## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37241	R_SciDa__ScienceDataReport__Auxiliary_9_	212	1	49	6	790	Y	54	FIXED	GST0B617	INTINEL_AUX		Y	37241	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
		3	1	GST0BED0	C2	UINT	STRING	GSKT0278TM					
		4	1	GST0BED1	C1	UINT	STRING	GSKT0279TM					
		5	1	GST0BED2	A3	UINT	STRING	GSKT0280TM					
		6	1	GST0BED3	A2	UINT	STRING	GSKT0281TM					
		7	1	GST0BED4	A1	UINT	STRING	GSKT0281TM					
13	0	16	16	GSTG1C00	DESCRIPTION				N				
		0	3	GST0C0F7	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST0BED6	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BED7	AS	UINT	STRING	GSKT0168TM					
		12	4	GST0BED8	MF_CHN	UINT	INTEGER	Z_IDENTITY					
14	0	18	8	GST0BED9	MFC_TS	UINT	STRING	GSKT0275TM	N				
15	0	19	8	GSTG1BD3	DESCRIPTION				N				
		0	2	GST0BEDA	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST0BEDB	C3	UINT	STRING	GSKT0277TM					
		3	1	GST0BEDC	C2	UINT	STRING	GSKT0278TM					
		4	1	GST0BEDD	C1	UINT	STRING	GSKT0279TM					
		5	1	GST0BEDE	A3	UINT	STRING	GSKT0280TM					
		6	1	GST0BEDF	A2	UINT	STRING	GSKT0281TM					
		7	1	GST0BEE0	A1	UINT	STRING	GSKT0281TM					
16	0	20	16	GSTG1C01	DESCRIPTION				N				
		0	3	GST0C0F8	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST0BEE2	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BEE3	AS	UINT	STRING	GSKT0168TM					
		12	4	GST0BEE4	MF_CHN	UINT	INTEGER	Z_IDENTITY					
17	0	22	8	GST0BEE5	MFC_TS	UINT	STRING	GSKT0275TM	N				
18	0	23	8	GSTG1BD5	DESCRIPTION				N				
		0	2	GST0BEE6	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST0BEE7	C3	UINT	STRING	GSKT0277TM					
		3	1	GST0BEE8	C2	UINT	STRING	GSKT0278TM					
		4	1	GST0BEE9	C1	UINT	STRING	GSKT0279TM					
		5	1	GST0BEEA	A3	UINT	STRING	GSKT0280TM					
		6	1	GST0BEEB	A2	UINT	STRING	GSKT0281TM					
		7	1	GST0BEEC	A1	UINT	STRING	GSKT0281TM					



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37241	R_SciDa__ScienceDataReport__Auxiliary_9_	212	1	49	6	790	Y	54	FIXED	GST0B617	INTINEL_AUX		Y	37241	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
19	0	24	16	GSTG1C02	DESCRIPTION				N				
		0	3	GST0C0F9	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST0BEEE	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BEEF	AS	UINT	STRING	GSKT0168TM					
		12	4	GST0BEF0	MF_CHN	UINT	INTEGER	Z_IDENTITY					
20	0	26	8	GST0BEF1	MFC_TS	UINT	STRING	GSKT0275TM	N				
21	0	27	8	GSTG1BD7	DESCRIPTION				N				
		0	2	GST0BEF2	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST0BEF3	C3	UINT	STRING	GSKT0277TM					
		3	1	GST0BEF4	C2	UINT	STRING	GSKT0278TM					
		4	1	GST0BEF5	C1	UINT	STRING	GSKT0279TM					
		5	1	GST0BEF6	A3	UINT	STRING	GSKT0280TM					
		6	1	GST0BEF7	A2	UINT	STRING	GSKT0281TM					
		7	1	GST0BEF8	A1	UINT	STRING	GSKT0281TM					
22	0	28	16	GSTG1C03	DESCRIPTION				N				
		0	3	GST0C0FA	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST0BEFA	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BEFB	AS	UINT	STRING	GSKT0168TM					
		12	4	GST0BEFC	MF_CHN	UINT	INTEGER	Z_IDENTITY					
23	0	30	8	GST0BEFD	MFC_TS	UINT	STRING	GSKT0275TM	N				
24	0	31	8	GSTG1BD9	DESCRIPTION				N				
		0	2	GST0BEFE	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST0BEFF	C3	UINT	STRING	GSKT0277TM					
		3	1	GST0BF00	C2	UINT	STRING	GSKT0278TM					
		4	1	GST0BF01	C1	UINT	STRING	GSKT0279TM					
		5	1	GST0BF02	A3	UINT	STRING	GSKT0280TM					
		6	1	GST0BF03	A2	UINT	STRING	GSKT0281TM					
		7	1	GST0BF04	A1	UINT	STRING	GSKT0281TM					
25	0	32	16	GSTG1C04	DESCRIPTION				N				
		0	3	GST0C0FB	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST0BF06	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BF07	AS	UINT	STRING	GSKT0168TM					
		12	4	GST0BF08	MF_CHN	UINT	INTEGER	Z_IDENTITY					



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
GSY_GSS37241	R_SciDa__ScienceDataReport__Auxiliary_9_	212	1	49	6	790	Y	54	FIXED	GST0B617	INTINEL_AUX			Y	37241	

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
26	0	34	8	GST0BF09	MFC_TS	UINT	STRING	GSKT0275TM	N				
27	0	35	8	GSTG1BDB	DESCRIPTION				N				
		0	2	GST0BF0A	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST0BF0B	C3	UINT	STRING	GSKT0277TM					
		3	1	GST0BF0C	C2	UINT	STRING	GSKT0278TM					
		4	1	GST0BF0D	C1	UINT	STRING	GSKT0279TM					
		5	1	GST0BF0E	A3	UINT	STRING	GSKT0280TM					
		6	1	GST0BF0F	A2	UINT	STRING	GSKT0281TM					
		7	1	GST0BF10	A1	UINT	STRING	GSKT0281TM					
28	0	36	16	GSTG1C05	DESCRIPTION				N				
		0	3	GST0C0FC	SCHEME	UINT	STRING	GSKT0301TM					
		3	8	GST0BF12	SV_ID	UINT	INTEGER	Z_IDENTITY					
		11	1	GST0BF13	AS	UINT	STRING	GSKT0168TM					
		12	4	GST0BF14	MF_CHN	UINT	INTEGER	Z_IDENTITY					
29	0	38	8	GST0BF15	MFC_TS	UINT	STRING	GSKT0275TM	N				
30	0	39	8	GSTG1BDD	DESCRIPTION				N				
		0	2	GST0BF16	NDS	UINT	STRING	GSKT0276TM					
		2	1	GST0BF17	C3	UINT	STRING	GSKT0277TM					
		3	1	GST0BF18	C2	UINT	STRING	GSKT0278TM					
		4	1	GST0BF19	C1	UINT	STRING	GSKT0279TM					
		5	1	GST0BF1A	A3	UINT	STRING	GSKT0280TM					
		6	1	GST0BF1B	A2	UINT	STRING	GSKT0281TM					
		7	1	GST0BF1C	A1	UINT	STRING	GSKT0281TM					



**Sentinel-2**  
**SRDB Database Extract**  
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Name: GSKT0168TM Descr: AS

**Referenced by:**

From To Text

GST0BEBF AS  
GST0BECB AS  
GST0BED7 AS  
GST0BEE3 AS  
GST0BEEF AS  
GST0BEFB AS  
GST0BF07 AS  
GST0BF13 AS

0 ANTISPOOF\_OFF  
1 ANTISPOOF\_ON

Name: GSKT0275TM Descr: MFC\_TS

**Referenced by:**

From To Text

GST0BEC1 MFC\_TS  
GST0BEC9 MFC\_TS  
GST0BED9 MFC\_TS  
GST0BEE5 MFC\_TS  
GST0BEF1 MFC\_TS  
GST0BEFD MFC\_TS  
GST0BF09 MFC\_TS  
GST0BF15 MFC\_TS

0 NO\_MEASDATA\_AV  
1 CODE\_ACQUISITI  
2 CODE\_ACQUISITI  
3 CODE\_TRACKING\_  
4 CODE\_AND\_CARRI  
5 CODE\_AND\_CARRI  
6 FINAL\_TRACKING  
7 FINAL\_TRACKING  
8 FINAL\_TRACKING  
9 FINAL\_TRACKING  
10 FINAL\_TRACKING  
11 FINAL\_TRACKING

Name: GSKT0276TM Descr: NDS

**Referenced by:**

From To Text

GST0BEC2 NDS  
GST0BECE NDS  
GST0BEDA NDS  
GST0BEE6 NDS  
GST0BEF2 NDS  
GST0BEFE NDS  
GST0BF0A NDS  
GST0BF16 NDS

0 NOT\_SYNC  
1 SYNC\_NAVDATA\_N  
2 INVALID  
3 SYNC\_NAVDATA\_I



**Sentinel-2**  
**SRDB Database Extract**  
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Name: GSKT0277TM Descr: C3

**Referenced by:**

			GST0BEC3	C3
			GST0BECF	C3
			GST0BEDB	C3
			GST0BEE7	C3
			GST0BEF3	C3
			GST0BEFF	C3
			GST0BF0B	C3
			GST0BF17	C3
	0		NO_CODE_LOCK	
	1		P2_CODE_LOCK	

Name: GSKT0278TM Descr: C2

**Referenced by:**

			GST0BEC4	C2
			GST0BED0	C2
			GST0BEDC	C2
			GST0BEE8	C2
			GST0BEF4	C2
			GST0BF00	C2
			GST0BF0C	C2
			GST0BF18	C2
	0		NO_CODE_LOCK	
	1		P1CM_CODE_LOCK	

Name: GSKT0279TM Descr: C1

**Referenced by:**

			GST0BEC5	C1
			GST0BED1	C1
			GST0BEDD	C1
			GST0BEE9	C1
			GST0BEF5	C1
			GST0BF01	C1
			GST0BF0D	C1
			GST0BF19	C1
	0		NO_CODE_LOCK	
	1		CA_CODE_LOCK	





**Sentinel-2**  
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Name: GSKT0280TM Descr: A3

**Referenced by:**

From	To	Text
		GST0BEC6 A3
		GST0BED2 A3
		GST0BEDE A3
		GST0BEEA A3
		GST0BEF6 A3
		GST0BF02 A3
		GST0BF0E A3
		GST0BF1A A3

0	NO_CARRIER_LOC
1	L2_CARRIER_LOC

Name: GSKT0281TM Descr: A2

**Referenced by:**

From	To	Text
		GST0BEC7 A2
		GST0BEC8 A1
		GST0BED3 A2
		GST0BED4 A1
		GST0BEDF A2
		GST0BEE0 A1
		GST0BEEB A2
		GST0BEEC A1
		GST0BEF7 A2
		GST0BEF8 A1
		GST0BF03 A2
		GST0BF04 A1
		GST0BF0F A2
		GST0BF10 A1
		GST0BF1B A2
		GST0BF1C A1

0	NO_CARRIER_LOC
1	L1_CARRIER_LOC



**Sentinel-2**  
**SRDB Database Extract**  
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Name: GSKT0293TM Descr: SID

Referenced by:  
GST0B617 SID

From	To	Text
215		TRACKING_STATE
216		MIN_NAV_SOL
217		IMT_GPST_CORR
218		SENTINEL_AUX
223		SAT_IN_VIEW
224		CHN_STATUS
225		CARR_PHASE
226		CARR_AMPL
227		CODE_PHASE
229		CONST_STAT
230		GPS_NAV_ALM
231		GPS_NAV_EPH
232		GPS_NAV_UTC_IO
234		AGC_STATUS
235		NOISE_HIST

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**Sentinel-2**  
**SRDB Database Extract**  
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Name: GSKT0298TM Descr: FE\_TEMP

Referenced by:  
GST0BEB7 FE\_TEMP

From	To	Text
0		NA
35		8880
36		888
37		7154
38		637
39		5843
40		544
41		5111
42		4832
43		4588
44		4372
45		4177
46		3998
47		3834
48		3681
49		3538
50		3404
51		3277
52		3156
53		3042
54		2933
55		2828
56		2727
57		263
58		2537
59		2447
60		2359
61		2275
62		2193
63		2113
64		2035
65		1959
66		1885
67		1813
68		1742
69		1673
70		1606
71		1539
72		1474
73		141
74		1348
75		1286
76		1225
77		1166
78		1107
79		1049
80		992



**Sentinel-2**  
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81	936
82	88
83	825
84	771
85	718
86	665
87	613
88	561
89	51
90	459
91	409
92	359
93	31
94	261
95	213
96	165
97	117
98	7
99	23
100	_023
101	_07
102	_116
103	_161
104	_206
105	_252
106	_296
107	_341
108	_385
109	_429
110	_473
111	_517
112	_56
113	_604
114	_647
115	_69
116	_733
117	_775
118	_818
119	_86
120	_902
121	_945
122	_987
123	_1029
124	_1071
125	_1112
126	_1154
127	_1196
128	_1237
129	_1279
130	_132
131	_1362



**Sentinel-2**  
**SRDB Database Extract**  
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132	_1403
133	_1444
134	_1486
135	_1527
136	_1568
137	_161
138	_1651
139	_1692
140	_1733
141	_1775
142	_1816
143	_1858
144	_1899
145	_1941
146	_1982
147	_2024
148	_2065
149	_2107
150	_2149
151	_2191
152	_2233
153	_2275
154	_2317
155	_2359
156	_2402
157	_2444
158	_2487
159	_253
160	_2573
161	_2616
162	_2659
163	_2703
164	_2746
165	_279
166	_2834
167	_2878
168	_2923
169	_2967
170	_3012
171	_3057
172	_3103
173	_3148
174	_3194
175	_324
176	_3286
177	_3333
178	_338
179	_3427
180	_3475
181	_3523
182	_3571



**Sentinel-2**  
**SRDB Database Extract**  
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183	_362
184	_3669
185	_3718
186	_3768
187	_3818
188	_3869
189	_392
190	_3971
191	_4023
192	_4076
193	_4129
194	_4182
195	_4236
196	_4291
197	_4346
198	_4402
199	_4458
200	_4515
201	_4573
202	_4631
203	_469
204	_475
205	_4811
206	_4872
207	_4934
208	_4997
209	_5061
210	_5126
211	_5192
212	_5259
213	_5327
214	_5396
215	_5466
216	_5538
217	_561
218	_5684
219	_5759
220	_5836
221	_5914
222	_5994
223	_6076
224	_6159
225	_6244
226	_6331
227	_6419
228	_6511
229	_6604
230	_6699
231	_6798
232	_6898
233	_7002



**Sentinel-2**  
**SRDB Database Extract**  
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234	_7109
235	_7219
236	_7332
237	_7449
238	_757
239	_7695
240	_7824
241	_7959
242	_8099
243	_8244
244	_8396
245	_8555
246	_8721
247	_8896
248	_908
249	_9274
250	_9479
251	_9697
252	_993
253	_10179
254	_10447
255	_10737

Name: GSKT0299TM Descr: V

Referenced by:  
GST0BEBA V

From	To	Text
0		NOT_ALL_DATA_V
1		ALL_DATA_VALID

Name: GSKT0300TM Descr: R\_MODE

Referenced by:  
GST0BEBB R\_MODE

From	To	Text
1		STARTUP
2		STANDBY
3		NAVIGATE

Name: GSKT0301TM Descr: SCHEME

Referenced by:  
GST0C0F5 SCHEME  
GST0C0F6 SCHEME  
GST0C0F7 SCHEME  
GST0C0F8 SCHEME  
GST0C0F9 SCHEME  
GST0C0FA SCHEME  
GST0C0FB SCHEME  
GST0C0FC SCHEME

From	To	Text
0		L1CAL1PYL2PY
1		L1CAL1CA
2		L1CAL2CM



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35501	TM_ADB_1		3,25	37	6	598	Y	53	FIXED	SST01000	105		Y	35501	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	SST01000	SID_1	UINT	INTEGER	Z_IDENTITY	N				
2	0	1	32	SST00001	qv1_1	SINT	REAL	SSKP0001TM	N				
3	0	5	32	SST00002	qv2_1	SINT	REAL	SSKP0001TM	N				
4	0	9	32	SST00003	qv3_1	SINT	REAL	SSKP0001TM	N				
5	0	13	32	SST00004	qs_1	SINT	REAL	SSKP0001TM	N				
6	0	17	16	SST00005	rateX_1	SINT	REAL	SSKP0002TM	N				
7	0	19	16	SST00006	rateY_1	SINT	REAL	SSKP0002TM	N				
8	0	21	16	SST00007	rateZ_1	SINT	REAL	SSKP0002TM	N				
9	0	23	48	SST00008	TimeStamp_1	UINT	INTEGER	Z_IDENTITY	N				
10	0	29	16	SST00009	julianDate_1	UINT	INTEGER	Z_IDD	N				
11	0	31	16	SST00010	vVectorSciX_1	SINT	REAL	SSKP0004TM	N				
12	0	33	16	SST00011	vVectorSciY_1	SINT	REAL	SSKP0004TM	N				
13	0	35	16	SST00012	vVectorSciZ_1	SINT	REAL	SSKP0004TM	N				
14	0	37	8	SSTG0001	GloPar1ADB_1				N				
		0	3	SSTD0013	altitQuality_1	UINT	STRING	SSKT0005TM					
		3	1	SSTD0014	isPrecCorr_1	UINT	STRING	SSKT0006TM					
		4	1	SSTD0015	isAbberCorr_1	UINT	STRING	SSKT0006TM					
		5	2	SSTD0016	rateQuality_1	UINT	STRING	SSKT0007TM					
		7	1	SSTD0017	isValidRate_1	UINT	STRING	SSKT0006TM					
15	0	38	8	SST01017	attQualitylx_1	UINT	INTEGER	Z_IDENTITY	N				





# Sentinel-2

## SRDB Database Extract

### TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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**Name:** SSKP0001TM **Descr:** attitude

**Unit:** X Y

**Referenced by:**

SST00001 qv1\_1  
SST00002 qv2\_1  
SST00003 qv3\_1  
SST00004 qs\_1

**Modelname:** GENERIC

-2.147E+09 -2  
2147483647 2

**Name:** SSKP0002TM **Descr:** angular rate

**Unit:** dg/s X Y

**Referenced by:**

SST00005 rateX\_1  
SST00006 rateY\_1  
SST00007 rateZ\_1

**Modelname:** GENERIC

-32768 -16  
32767 16

**Name:** SSKP0004TM **Descr:** velocity vector

**Unit:** m/s X Y

**Referenced by:**

SST00010 vVectorSciX\_1  
SST00011 vVectorSciY\_1  
SST00012 vVectorSciZ\_1

**Modelname:** GENERIC

-32768 -2342128.6  
32767 2342057.10



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
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**Name:** SSKT0005TM **Descr:** attitude quality

**Referenced by:**  
SSTD0013 altitQuality\_1

From	To	Text
0		NOATTITUDE
1		APRIORIATT
5		COARSEATT
6		UNCONFATT
7		VALIDATT

**Name:** SSKT0006TM **Descr:** applied Y/N

**Referenced by:**  
SSTD0014 isPrecCorr\_1  
SSTD0015 isAbberCorr\_1  
SSTD0017 isValidRate\_1

From	To	Text
0		NOTAPPLIED
1		APPLIED

**Name:** SSKT0007TM **Descr:** rate quality

**Referenced by:**  
SSTD0016 rateQuality\_1

From	To	Text
0		NORATE
1		COARSERATE
2		FINERATE
3		FILTEREDRATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35503	TM_TDB_1		3,25	37	6	598	Y	161	FIXED	SST01000	106		Y	35503	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	SST01000	SID_1	UINT	INTEGER	Z_IDENTITY	N				
2	0	1	24	SST00057	S1_TA_1	SINT	REAL	SSKP0016TM	N				
3	0	4	24	SST00058	S1_TB_1	SINT	REAL	SSKP0016TM	N				
4	0	7	24	SST00059	S2_TA_1	SINT	REAL	SSKP0016TM	N				
5	0	10	24	SST00060	S2_TB_1	SINT	REAL	SSKP0016TM	N				
6	0	13	24	SST00061	S3_TA_1	SINT	REAL	SSKP0016TM	N				
7	0	16	24	SST00062	S3_TB_1	SINT	REAL	SSKP0016TM	N				
8	0	19	24	SST00063	S4_TA_1	SINT	REAL	SSKP0016TM	N				
9	0	22	24	SST00064	S4_TB_1	SINT	REAL	SSKP0016TM	N				
10	0	25	24	SST00065	S5_TA_1	SINT	REAL	SSKP0016TM	N				
11	0	28	24	SST00066	S5_TB_1	SINT	REAL	SSKP0016TM	N				
12	0	31	24	SST00067	S6_TA_1	SINT	REAL	SSKP0016TM	N				
13	0	34	24	SST00068	S6_TB_1	SINT	REAL	SSKP0016TM	N				
14	0	37	24	SST00069	S7_TA_1	SINT	REAL	SSKP0016TM	N				
15	0	40	24	SST00070	S7_TB_1	SINT	REAL	SSKP0016TM	N				
16	0	43	24	SST00071	S8_TA_1	SINT	REAL	SSKP0016TM	N				
17	0	46	24	SST00072	S8_TB_1	SINT	REAL	SSKP0016TM	N				
18	0	49	24	SST00073	S9_TA_1	SINT	REAL	SSKP0016TM	N				
19	0	52	24	SST00074	S9_TB_1	SINT	REAL	SSKP0016TM	N				
20	0	55	24	SST00075	S10_TA_1	SINT	REAL	SSKP0016TM	N				
21	0	58	24	SST00076	S10_TB_1	SINT	REAL	SSKP0016TM	N				
22	0	61	24	SST00077	S11_TA_1	SINT	REAL	SSKP0016TM	N				
23	0	64	24	SST00078	S11_TB_1	SINT	REAL	SSKP0016TM	N				
24	0	67	24	SST00079	S12_TA_1	SINT	REAL	SSKP0016TM	N				
25	0	70	24	SST00080	S12_TB_1	SINT	REAL	SSKP0016TM	N				
26	0	73	24	SST00081	S13_TA_1	SINT	REAL	SSKP0016TM	N				
27	0	76	24	SST00082	S13_TB_1	SINT	REAL	SSKP0016TM	N				
28	0	79	24	SST00083	S14_TA_1	SINT	REAL	SSKP0016TM	N				
29	0	82	24	SST00084	S14_TB_1	SINT	REAL	SSKP0016TM	N				



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35503	TM_TDB_1		3,25	37	6	598	Y	161	FIXED	SST01000	106		Y	35503	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	85	24	SST00085	S15_TA_1	SINT	REAL	SSKP0016TM	N				
31	0	88	24	SST00086	S15_TB_1	SINT	REAL	SSKP0016TM	N				
32	0	91	24	SST00087	S16_TA_1	SINT	REAL	SSKP0016TM	N				
33	0	94	24	SST00088	S16_TB_1	SINT	REAL	SSKP0016TM	N				
34	0	97	16	SST00089	S1_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
35	0	99	16	SST00090	S2_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
36	0	101	16	SST00091	S3_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
37	0	103	16	SST00092	S4_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
38	0	105	16	SST00093	S5_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
39	0	107	16	SST00094	S6_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
40	0	109	16	SST00095	S7_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
41	0	111	16	SST00096	S8_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
42	0	113	16	SST00097	S9_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
43	0	115	16	SST00098	S10_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
44	0	117	16	SST00099	S11_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
45	0	119	16	SST00100	S12_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
46	0	121	16	SST00101	S13_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
47	0	123	16	SST00102	S14_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
48	0	125	16	SST00103	S15_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
49	0	127	16	SST00104	S16_CNR_1	UINT	INTEGER	Z_IDENTITY	N				
50	0	129	8	SST00105	S1_MAG_1	SINT	REAL	SSKP0017TM	N				
51	0	130	8	SST00106	S2_MAG_1	SINT	REAL	SSKP0017TM	N				
52	0	131	8	SST00107	S3_MAG_1	SINT	REAL	SSKP0017TM	N				
53	0	132	8	SST00108	S4_MAG_1	SINT	REAL	SSKP0017TM	N				
54	0	133	8	SST00109	S5_MAG_1	SINT	REAL	SSKP0017TM	N				
55	0	134	8	SST00110	S6_MAG_1	SINT	REAL	SSKP0017TM	N				
56	0	135	8	SST00111	S7_MAG_1	SINT	REAL	SSKP0017TM	N				
57	0	136	8	SST00112	S8_MAG_1	SINT	REAL	SSKP0017TM	N				
58	0	137	8	SST00113	S9_MAG_1	SINT	REAL	SSKP0017TM	N				



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## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
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Page: 3 of 3

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatn	Len[Byte]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35503	TM_TDB_1		3,25	37	6	598	Y	161	FIXED	SST01000		106		Y	35503	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
59	0	138	8	SST00114	S10_MAG_1	SINT	REAL	SSKP0017TM	N				
60	0	139	8	SST00115	S11_MAG_1	SINT	REAL	SSKP0017TM	N				
61	0	140	8	SST00116	S12_MAG_1	SINT	REAL	SSKP0017TM	N				
62	0	141	8	SST00117	S13_MAG_1	SINT	REAL	SSKP0017TM	N				
63	0	142	8	SST00118	S14_MAG_1	SINT	REAL	SSKP0017TM	N				
64	0	143	8	SST00119	S15_MAG_1	SINT	REAL	SSKP0017TM	N				
65	0	144	8	SST00120	S16_MAG_1	SINT	REAL	SSKP0017TM	N				
66	0	145	16	SSTG0006	GloPar1TDB_1				N				
		0	1	SSTD0121	S1_VALID_1	UINT	STRING	SSKT0018TM					
		1	1	SSTD0122	S2_VALID_1	UINT	STRING	SSKT0018TM					
		2	1	SSTD0123	S3_VALID_1	UINT	STRING	SSKT0018TM					
		3	1	SSTD0124	S4_VALID_1	UINT	STRING	SSKT0018TM					
		4	1	SSTD0125	S5_VALID_1	UINT	STRING	SSKT0018TM					
		5	1	SSTD0126	S6_VALID_1	UINT	STRING	SSKT0018TM					
		6	1	SSTD0127	S7_VALID_1	UINT	STRING	SSKT0018TM					
		7	1	SSTD0128	S8_VALID_1	UINT	STRING	SSKT0018TM					
		8	1	SSTD0129	S9_VALID_1	UINT	STRING	SSKT0018TM					
		9	1	SSTD0130	S10_VALID_1	UINT	STRING	SSKT0018TM					
		10	1	SSTD0131	S11_VALID_1	UINT	STRING	SSKT0018TM					
		11	1	SSTD0132	S12_VALID_1	UINT	STRING	SSKT0018TM					
		12	1	SSTD0133	S13_VALID_1	UINT	STRING	SSKT0018TM					
		13	1	SSTD0134	S14_VALID_1	UINT	STRING	SSKT0018TM					
		14	1	SSTD0135	S15_VALID_1	UINT	STRING	SSKT0018TM					
		15	1	SSTD0136	S16_VALID_1	UINT	STRING	SSKT0018TM					



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 2

**Name:** SSKP0016TM **Descr:** tangent value

**Unit:**

X

Y

**Referenced by:**

SST00057 S1\_TA\_1  
SST00058 S1\_TB\_1  
SST00059 S2\_TA\_1  
SST00060 S2\_TB\_1  
SST00061 S3\_TA\_1  
SST00062 S3\_TB\_1  
SST00063 S4\_TA\_1  
SST00064 S4\_TB\_1  
SST00065 S5\_TA\_1  
SST00066 S5\_TB\_1  
SST00067 S6\_TA\_1  
SST00068 S6\_TB\_1  
SST00069 S7\_TA\_1  
SST00070 S7\_TB\_1  
SST00071 S8\_TA\_1  
SST00072 S8\_TB\_1  
SST00073 S9\_TA\_1  
SST00074 S9\_TB\_1  
SST00075 S10\_TA\_1  
SST00076 S10\_TB\_1  
SST00077 S11\_TA\_1  
SST00078 S11\_TB\_1  
SST00079 S12\_TA\_1  
SST00080 S12\_TB\_1  
SST00081 S13\_TA\_1  
SST00082 S13\_TB\_1  
SST00083 S14\_TA\_1  
SST00084 S14\_TB\_1  
SST00085 S15\_TA\_1  
SST00086 S15\_TB\_1  
SST00087 S16\_TA\_1  
SST00088 S16\_TB\_1

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**Modelname:** GENERIC

-16777216 -1  
16777215 1

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 2 of 2

**Name:** SSKP0017TM **Descr:** instrumental magnitude

**Unit:** X Y

**Referenced by:**

SST00105 S1\_MAG\_1  
SST00106 S2\_MAG\_1  
SST00107 S3\_MAG\_1  
SST00108 S4\_MAG\_1  
SST00109 S5\_MAG\_1  
SST00110 S6\_MAG\_1  
SST00111 S7\_MAG\_1  
SST00112 S8\_MAG\_1  
SST00113 S9\_MAG\_1  
SST00114 S10\_MAG\_1  
SST00115 S11\_MAG\_1  
SST00116 S12\_MAG\_1  
SST00117 S13\_MAG\_1  
SST00118 S14\_MAG\_1  
SST00119 S15\_MAG\_1  
SST00120 S16\_MAG\_1

---

**Modelname:** GENERIC

-128 12.8  
127 17.7

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 1 of 1

**Name:** SSKT0018TM **Descr:** valid N/Y

**Referenced by:**

**From To Text**

SSTD0121 S1\_VALID\_1  
SSTD0122 S2\_VALID\_1  
SSTD0123 S3\_VALID\_1  
SSTD0124 S4\_VALID\_1  
SSTD0125 S5\_VALID\_1  
SSTD0126 S6\_VALID\_1  
SSTD0127 S7\_VALID\_1  
SSTD0128 S8\_VALID\_1  
SSTD0129 S9\_VALID\_1  
SSTD0130 S10\_VALID\_1  
SSTD0131 S11\_VALID\_1  
SSTD0132 S12\_VALID\_1  
SSTD0133 S13\_VALID\_1  
SSTD0134 S14\_VALID\_1  
SSTD0135 S15\_VALID\_1  
SSTD0136 S16\_VALID\_1

0 NOTVALID  
1 VALID

---





## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
 Page: 1 of 1

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35651	TM_ADB_2		3,25	38	6	614	Y	53	FIXED	SST04000		105		Y	35651	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	SST04000	SID_2	UINT	INTEGER	Z_IDENTITY	N				
2	0	1	32	SST03001	qv1_2	SINT	REAL	SSKP0001TM	N				
3	0	5	32	SST03002	qv2_2	SINT	REAL	SSKP0001TM	N				
4	0	9	32	SST03003	qv3_2	SINT	REAL	SSKP0001TM	N				
5	0	13	32	SST03004	qs_2	SINT	REAL	SSKP0001TM	N				
6	0	17	16	SST03005	rateX_2	SINT	REAL	SSKP0002TM	N				
7	0	19	16	SST03006	rateY_2	SINT	REAL	SSKP0002TM	N				
8	0	21	16	SST03007	rateZ_2	SINT	REAL	SSKP0002TM	N				
9	0	23	48	SST03008	TimeStamp_2	UINT	INTEGER	Z_IDENTITY	N				
10	0	29	16	SST03009	julianDate_2	UINT	INTEGER	Z_IDD	N				
11	0	31	16	SST03010	vVectorSciX_2	SINT	REAL	SSKP0004TM	N				
12	0	33	16	SST03011	vVectorSciY_2	SINT	REAL	SSKP0004TM	N				
13	0	35	16	SST03012	vVectorSciZ_2	SINT	REAL	SSKP0004TM	N				
14	0	37	8	SSTG3001	GloPar1ADB_2				N				
		0	3	SSTD3013	altitQuality_2	UINT	STRING	SSKT0005TM					
		3	1	SSTD3014	isPrecCorr_2	UINT	STRING	SSKT0006TM					
		4	1	SSTD3015	isAbberCorr_2	UINT	STRING	SSKT0006TM					
		5	2	SSTD3016	rateQuality_2	UINT	STRING	SSKT0007TM					
		7	1	SSTD3017	isValidRate_2	UINT	STRING	SSKT0006TM					
15	0	38	8	SST04017	attQualitylx_2	UINT	INTEGER	Z_IDENTITY	N				



# Sentinel-2

## SRDB Database Extract

### TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 1

**Name:** SSKP0001TM **Descr:** attitude

**Unit:** X Y

**Referenced by:**

SST03001 qv1\_2  
SST03002 qv2\_2  
SST03003 qv3\_2  
SST03004 qs\_2

**Modelname:** GENERIC

-2.147E+09 -2  
2147483647 2

**Name:** SSKP0002TM **Descr:** angular rate

**Unit:** dg/s X Y

**Referenced by:**

SST03005 rateX\_2  
SST03006 rateY\_2  
SST03007 rateZ\_2

**Modelname:** GENERIC

-32768 -16  
32767 16

**Name:** SSKP0004TM **Descr:** velocity vector

**Unit:** m/s X Y

**Referenced by:**

SST03010 vVectorSciX\_2  
SST03011 vVectorSciY\_2  
SST03012 vVectorSciZ\_2

**Modelname:** GENERIC

-32768 -2342128.6  
32767 2342057.10



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 1 of 1

**Name:** SSKT0005TM **Descr:** attitude quality

**Referenced by:**  
SSTD3013 altitQuality\_2

From	To	Text
0		NOATTITUDE
1		APRIORIATT
5		COARSEATT
6		UNCONFATT
7		VALIDATT

**Name:** SSKT0006TM **Descr:** applied Y/N

**Referenced by:**  
SSTD3014 isPrecCorr\_2  
SSTD3015 isAbberCorr\_2  
SSTD3017 isValidRate\_2

From	To	Text
0		NOTAPPLIED
1		APPLIED

**Name:** SSKT0007TM **Descr:** rate quality

**Referenced by:**  
SSTD3016 rateQuality\_2

From	To	Text
0		NORATE
1		COARSERATE
2		FINERATE
3		FILTEREDRATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
Page: 1 of 3

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35653	TM_TDB_2		3,25	38	6	614	Y	161	FIXED	SST04000	106		Y	35653	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	SST04000	SID_2	UINT	INTEGER	Z_IDENTITY	N				
2	0	1	24	SST03057	S1_TA_2	SINT	REAL	SSKP0016TM	N				
3	0	4	24	SST03058	S1_TB_2	SINT	REAL	SSKP0016TM	N				
4	0	7	24	SST03059	S2_TA_2	SINT	REAL	SSKP0016TM	N				
5	0	10	24	SST03060	S2_TB_2	SINT	REAL	SSKP0016TM	N				
6	0	13	24	SST03061	S3_TA_2	SINT	REAL	SSKP0016TM	N				
7	0	16	24	SST03062	S3_TB_2	SINT	REAL	SSKP0016TM	N				
8	0	19	24	SST03063	S4_TA_2	SINT	REAL	SSKP0016TM	N				
9	0	22	24	SST03064	S4_TB_2	SINT	REAL	SSKP0016TM	N				
10	0	25	24	SST03065	S5_TA_2	SINT	REAL	SSKP0016TM	N				
11	0	28	24	SST03066	S5_TB_2	SINT	REAL	SSKP0016TM	N				
12	0	31	24	SST03067	S6_TA_2	SINT	REAL	SSKP0016TM	N				
13	0	34	24	SST03068	S6_TB_2	SINT	REAL	SSKP0016TM	N				
14	0	37	24	SST03069	S7_TA_2	SINT	REAL	SSKP0016TM	N				
15	0	40	24	SST03070	S7_TB_2	SINT	REAL	SSKP0016TM	N				
16	0	43	24	SST03071	S8_TA_2	SINT	REAL	SSKP0016TM	N				
17	0	46	24	SST03072	S8_TB_2	SINT	REAL	SSKP0016TM	N				
18	0	49	24	SST03073	S9_TA_2	SINT	REAL	SSKP0016TM	N				
19	0	52	24	SST03074	S9_TB_2	SINT	REAL	SSKP0016TM	N				
20	0	55	24	SST03075	S10_TA_2	SINT	REAL	SSKP0016TM	N				
21	0	58	24	SST03076	S10_TB_2	SINT	REAL	SSKP0016TM	N				
22	0	61	24	SST03077	S11_TA_2	SINT	REAL	SSKP0016TM	N				
23	0	64	24	SST03078	S11_TB_2	SINT	REAL	SSKP0016TM	N				
24	0	67	24	SST03079	S12_TA_2	SINT	REAL	SSKP0016TM	N				
25	0	70	24	SST03080	S12_TB_2	SINT	REAL	SSKP0016TM	N				
26	0	73	24	SST03081	S13_TA_2	SINT	REAL	SSKP0016TM	N				
27	0	76	24	SST03082	S13_TB_2	SINT	REAL	SSKP0016TM	N				
28	0	79	24	SST03083	S14_TA_2	SINT	REAL	SSKP0016TM	N				
29	0	82	24	SST03084	S14_TB_2	SINT	REAL	SSKP0016TM	N				



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
 Page: 2 of 3

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35653	TM_TDB_2		3,25	38	6	614	Y	161	FIXED	SST04000	106		Y	35653	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	85	24	SST03085	S15_TA_2	SINT	REAL	SSKP0016TM	N				
31	0	88	24	SST03086	S15_TB_2	SINT	REAL	SSKP0016TM	N				
32	0	91	24	SST03087	S16_TA_2	SINT	REAL	SSKP0016TM	N				
33	0	94	24	SST03088	S16_TB_2	SINT	REAL	SSKP0016TM	N				
34	0	97	16	SST03089	S1_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
35	0	99	16	SST03090	S2_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
36	0	101	16	SST03091	S3_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
37	0	103	16	SST03092	S4_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
38	0	105	16	SST03093	S5_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
39	0	107	16	SST03094	S6_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
40	0	109	16	SST03095	S7_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
41	0	111	16	SST03096	S8_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
42	0	113	16	SST03097	S9_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
43	0	115	16	SST03098	S10_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
44	0	117	16	SST03099	S11_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
45	0	119	16	SST03100	S12_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
46	0	121	16	SST03101	S13_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
47	0	123	16	SST03102	S14_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
48	0	125	16	SST03103	S15_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
49	0	127	16	SST03104	S16_CNR_2	UINT	INTEGER	Z_IDENTITY	N				
50	0	129	8	SST03105	S1_MAG_2	SINT	REAL	SSKP0017TM	N				
51	0	130	8	SST03106	S2_MAG_2	SINT	REAL	SSKP0017TM	N				
52	0	131	8	SST03107	S3_MAG_2	SINT	REAL	SSKP0017TM	N				
53	0	132	8	SST03108	S4_MAG_2	SINT	REAL	SSKP0017TM	N				
54	0	133	8	SST03109	S5_MAG_2	SINT	REAL	SSKP0017TM	N				
55	0	134	8	SST03110	S6_MAG_2	SINT	REAL	SSKP0017TM	N				
56	0	135	8	SST03111	S7_MAG_2	SINT	REAL	SSKP0017TM	N				
57	0	136	8	SST03112	S8_MAG_2	SINT	REAL	SSKP0017TM	N				
58	0	137	8	SST03113	S9_MAG_2	SINT	REAL	SSKP0017TM	N				



# Sentinel-2

## SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
Page: 3 of 3

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatn	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35653	TM_TDB_2		3,25	38	6	614	Y	161	FIXED	SST04000	106		Y	35653	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
59	0	138	8	SST03114	S10_MAG_2	SINT	REAL	SSKP0017TM	N				
60	0	139	8	SST03115	S11_MAG_2	SINT	REAL	SSKP0017TM	N				
61	0	140	8	SST03116	S12_MAG_2	SINT	REAL	SSKP0017TM	N				
62	0	141	8	SST03117	S13_MAG_2	SINT	REAL	SSKP0017TM	N				
63	0	142	8	SST03118	S14_MAG_2	SINT	REAL	SSKP0017TM	N				
64	0	143	8	SST03119	S15_MAG_2	SINT	REAL	SSKP0017TM	N				
65	0	144	8	SST03120	S16_MAG_2	SINT	REAL	SSKP0017TM	N				
66	0	145	16	SSTG3006	GloPar1TDB_2				N				
		0	1	SSTD3121	S1_VALID_2	UINT	STRING	SSKT0018TM					
		1	1	SSTD3122	S2_VALID_2	UINT	STRING	SSKT0018TM					
		2	1	SSTD3123	S3_VALID_2	UINT	STRING	SSKT0018TM					
		3	1	SSTD3124	S4_VALID_2	UINT	STRING	SSKT0018TM					
		4	1	SSTD3125	S5_VALID_2	UINT	STRING	SSKT0018TM					
		5	1	SSTD3126	S6_VALID_2	UINT	STRING	SSKT0018TM					
		6	1	SSTD3127	S7_VALID_2	UINT	STRING	SSKT0018TM					
		7	1	SSTD3128	S8_VALID_2	UINT	STRING	SSKT0018TM					
		8	1	SSTD3129	S9_VALID_2	UINT	STRING	SSKT0018TM					
		9	1	SSTD3130	S10_VALID_2	UINT	STRING	SSKT0018TM					
		10	1	SSTD3131	S11_VALID_2	UINT	STRING	SSKT0018TM					
		11	1	SSTD3132	S12_VALID_2	UINT	STRING	SSKT0018TM					
		12	1	SSTD3133	S13_VALID_2	UINT	STRING	SSKT0018TM					
		13	1	SSTD3134	S14_VALID_2	UINT	STRING	SSKT0018TM					
		14	1	SSTD3135	S15_VALID_2	UINT	STRING	SSKT0018TM					
		15	1	SSTD3136	S16_VALID_2	UINT	STRING	SSKT0018TM					



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 2

**Name:** SSKP0016TM **Descr:** tangent value

**Unit:**

X

Y

**Referenced by:**

SST03057 S1\_TA\_2  
SST03058 S1\_TB\_2  
SST03059 S2\_TA\_2  
SST03060 S2\_TB\_2  
SST03061 S3\_TA\_2  
SST03062 S3\_TB\_2  
SST03063 S4\_TA\_2  
SST03064 S4\_TB\_2  
SST03065 S5\_TA\_2  
SST03066 S5\_TB\_2  
SST03067 S6\_TA\_2  
SST03068 S6\_TB\_2  
SST03069 S7\_TA\_2  
SST03070 S7\_TB\_2  
SST03071 S8\_TA\_2  
SST03072 S8\_TB\_2  
SST03073 S9\_TA\_2  
SST03074 S9\_TB\_2  
SST03075 S10\_TA\_2  
SST03076 S10\_TB\_2  
SST03077 S11\_TA\_2  
SST03078 S11\_TB\_2  
SST03079 S12\_TA\_2  
SST03080 S12\_TB\_2  
SST03081 S13\_TA\_2  
SST03082 S13\_TB\_2  
SST03083 S14\_TA\_2  
SST03084 S14\_TB\_2  
SST03085 S15\_TA\_2  
SST03086 S15\_TB\_2  
SST03087 S16\_TA\_2  
SST03088 S16\_TB\_2

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**Modelname:** GENERIC

-16777216 -1  
16777215 1

---



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 2 of 2

**Name:** SSKP0017TM **Descr:** instrumental magnitude

**Unit:** X Y

**Referenced by:**

SST03105 S1\_MAG\_2  
SST03106 S2\_MAG\_2  
SST03107 S3\_MAG\_2  
SST03108 S4\_MAG\_2  
SST03109 S5\_MAG\_2  
SST03110 S6\_MAG\_2  
SST03111 S7\_MAG\_2  
SST03112 S8\_MAG\_2  
SST03113 S9\_MAG\_2  
SST03114 S10\_MAG\_2  
SST03115 S11\_MAG\_2  
SST03116 S12\_MAG\_2  
SST03117 S13\_MAG\_2  
SST03118 S14\_MAG\_2  
SST03119 S15\_MAG\_2  
SST03120 S16\_MAG\_2

---

**Modelname:** GENERIC

-128 12.8  
127 17.7

---





**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 1 of 1

**Name:** SSKT0018TM **Descr:** valid N/Y

**Referenced by:**

**From To Text**

SSTD3121 S1\_VALID\_2  
SSTD3122 S2\_VALID\_2  
SSTD3123 S3\_VALID\_2  
SSTD3124 S4\_VALID\_2  
SSTD3125 S5\_VALID\_2  
SSTD3126 S6\_VALID\_2  
SSTD3127 S7\_VALID\_2  
SSTD3128 S8\_VALID\_2  
SSTD3129 S9\_VALID\_2  
SSTD3130 S10\_VALID\_2  
SSTD3131 S11\_VALID\_2  
SSTD3132 S12\_VALID\_2  
SSTD3133 S13\_VALID\_2  
SSTD3134 S14\_VALID\_2  
SSTD3135 S15\_VALID\_2  
SSTD3136 S16\_VALID\_2

0 NOTVALID  
1 VALID

---



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
 Page: 1 of 1

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35801	TM_ADB_3		3,25	39	6	630	Y	53	FIXED	SST07000	105		Y	35801	ENABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	SST07000	SID_3	UINT	INTEGER	Z_IDENTITY	N				
2	0	1	32	SST06001	qv1_3	SINT	REAL	SSKP0001TM	N				
3	0	5	32	SST06002	qv2_3	SINT	REAL	SSKP0001TM	N				
4	0	9	32	SST06003	qv3_3	SINT	REAL	SSKP0001TM	N				
5	0	13	32	SST06004	qs_3	SINT	REAL	SSKP0001TM	N				
6	0	17	16	SST06005	rateX_3	SINT	REAL	SSKP0002TM	N				
7	0	19	16	SST06006	rateY_3	SINT	REAL	SSKP0002TM	N				
8	0	21	16	SST06007	rateZ_3	SINT	REAL	SSKP0002TM	N				
9	0	23	48	SST06008	TimeStamp_3	UINT	INTEGER	Z_IDENTITY	N				
10	0	29	16	SST06009	julianDate_3	UINT	INTEGER	Z_IDD	N				
11	0	31	16	SST06010	vVectorSciX_3	SINT	REAL	SSKP0004TM	N				
12	0	33	16	SST06011	vVectorSciY_3	SINT	REAL	SSKP0004TM	N				
13	0	35	16	SST06012	vVectorSciZ_3	SINT	REAL	SSKP0004TM	N				
14	0	37	8	SSTG6001	GloPar1ADB_3				N				
		0	3	SSTD6013	altitQuality_3	UINT	STRING	SSKT0005TM					
		3	1	SSTD6014	isPrecCorr_3	UINT	STRING	SSKT0006TM					
		4	1	SSTD6015	isAbberCorr_3	UINT	STRING	SSKT0006TM					
		5	2	SSTD6016	rateQuality_3	UINT	STRING	SSKT0007TM					
		7	1	SSTD6017	isValidRate_3	UINT	STRING	SSKT0006TM					
15	0	38	8	SST07017	attQualitylx_3	UINT	INTEGER	Z_IDENTITY	N				



# Sentinel-2 SRDB Database Extract TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
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**Name:** SSKP0001TM **Descr:** attitude

**Unit:** X Y

**Referenced by:**

SST06001 qv1\_3  
SST06002 qv2\_3  
SST06003 qv3\_3  
SST06004 qs\_3

**Modelname:** GENERIC

-2.147E+09 -2  
2147483647 2

**Name:** SSKP0002TM **Descr:** angular rate

**Unit:** dg/s X Y

**Referenced by:**

SST06005 rateX\_3  
SST06006 rateY\_3  
SST06007 rateZ\_3

**Modelname:** GENERIC

-32768 -16  
32767 16

**Name:** SSKP0004TM **Descr:** velocity vector

**Unit:** m/s X Y

**Referenced by:**

SST06010 vVectorSciX\_3  
SST06011 vVectorSciY\_3  
SST06012 vVectorSciZ\_3

**Modelname:** GENERIC

-32768 -2342128.6  
32767 2342057.10



**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 1 of 1

**Name:** SSKT0005TM **Descr:** attitude quality

**Referenced by:**  
SSTD6013 altitQuality\_3

From	To	Text
0		NOATTITUDE
1		APRIORIATT
5		COARSEATT
6		UNCONFATT
7		VALIDATT

**Name:** SSKT0006TM **Descr:** applied Y/N

**Referenced by:**  
SSTD6014 isPrecCorr\_3  
SSTD6015 isAbberCorr\_3  
SSTD6017 isValidRate\_3

From	To	Text
0		NOTAPPLIED
1		APPLIED

**Name:** SSKT0007TM **Descr:** rate quality

**Referenced by:**  
SSTD6016 rateQuality\_3

From	To	Text
0		NORATE
1		COARSERATE
2		FINERATE
3		FILTEREDRATE



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
 Page: 1 of 3

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35803	TM_TDB_3		3,25	39	6	630	Y	161	FIXED	SST07000	106		Y	35803	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
1	0	0	8	SST07000	SID_3	UINT	INTEGER	Z_IDENTITY	N				
2	0	1	24	SST06057	S1_TA_3	SINT	REAL	SSKP0016TM	N				
3	0	4	24	SST06058	S1_TB_3	SINT	REAL	SSKP0016TM	N				
4	0	7	24	SST06059	S2_TA_3	SINT	REAL	SSKP0016TM	N				
5	0	10	24	SST06060	S2_TB_3	SINT	REAL	SSKP0016TM	N				
6	0	13	24	SST06061	S3_TA_3	SINT	REAL	SSKP0016TM	N				
7	0	16	24	SST06062	S3_TB_3	SINT	REAL	SSKP0016TM	N				
8	0	19	24	SST06063	S4_TA_3	SINT	REAL	SSKP0016TM	N				
9	0	22	24	SST06064	S4_TB_3	SINT	REAL	SSKP0016TM	N				
10	0	25	24	SST06065	S5_TA_3	SINT	REAL	SSKP0016TM	N				
11	0	28	24	SST06066	S5_TB_3	SINT	REAL	SSKP0016TM	N				
12	0	31	24	SST06067	S6_TA_3	SINT	REAL	SSKP0016TM	N				
13	0	34	24	SST06068	S6_TB_3	SINT	REAL	SSKP0016TM	N				
14	0	37	24	SST06069	S7_TA_3	SINT	REAL	SSKP0016TM	N				
15	0	40	24	SST06070	S7_TB_3	SINT	REAL	SSKP0016TM	N				
16	0	43	24	SST06071	S8_TA_3	SINT	REAL	SSKP0016TM	N				
17	0	46	24	SST06072	S8_TB_3	SINT	REAL	SSKP0016TM	N				
18	0	49	24	SST06073	S9_TA_3	SINT	REAL	SSKP0016TM	N				
19	0	52	24	SST06074	S9_TB_3	SINT	REAL	SSKP0016TM	N				
20	0	55	24	SST06075	S10_TA_3	SINT	REAL	SSKP0016TM	N				
21	0	58	24	SST06076	S10_TB_3	SINT	REAL	SSKP0016TM	N				
22	0	61	24	SST06077	S11_TA_3	SINT	REAL	SSKP0016TM	N				
23	0	64	24	SST06078	S11_TB_3	SINT	REAL	SSKP0016TM	N				
24	0	67	24	SST06079	S12_TA_3	SINT	REAL	SSKP0016TM	N				
25	0	70	24	SST06080	S12_TB_3	SINT	REAL	SSKP0016TM	N				
26	0	73	24	SST06081	S13_TA_3	SINT	REAL	SSKP0016TM	N				
27	0	76	24	SST06082	S13_TB_3	SINT	REAL	SSKP0016TM	N				
28	0	79	24	SST06083	S14_TA_3	SINT	REAL	SSKP0016TM	N				
29	0	82	24	SST06084	S14_TB_3	SINT	REAL	SSKP0016TM	N				



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2, 51  
Page: 2 of 3

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatr	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35803	TM_TDB_3		3,25	39	6	630	Y	161	FIXED	SST07000	106		Y	35803	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
30	0	85	24	SST06085	S15_TA_3	SINT	REAL	SSKP0016TM	N				
31	0	88	24	SST06086	S15_TB_3	SINT	REAL	SSKP0016TM	N				
32	0	91	24	SST06087	S16_TA_3	SINT	REAL	SSKP0016TM	N				
33	0	94	24	SST06088	S16_TB_3	SINT	REAL	SSKP0016TM	N				
34	0	97	16	SST06089	S1_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
35	0	99	16	SST06090	S2_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
36	0	101	16	SST06091	S3_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
37	0	103	16	SST06092	S4_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
38	0	105	16	SST06093	S5_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
39	0	107	16	SST06094	S6_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
40	0	109	16	SST06095	S7_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
41	0	111	16	SST06096	S8_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
42	0	113	16	SST06097	S9_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
43	0	115	16	SST06098	S10_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
44	0	117	16	SST06099	S11_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
45	0	119	16	SST06100	S12_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
46	0	121	16	SST06101	S13_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
47	0	123	16	SST06102	S14_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
48	0	125	16	SST06103	S15_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
49	0	127	16	SST06104	S16_CNR_3	UINT	INTEGER	Z_IDENTITY	N				
50	0	129	8	SST06105	S1_MAG_3	SINT	REAL	SSKP0017TM	N				
51	0	130	8	SST06106	S2_MAG_3	SINT	REAL	SSKP0017TM	N				
52	0	131	8	SST06107	S3_MAG_3	SINT	REAL	SSKP0017TM	N				
53	0	132	8	SST06108	S4_MAG_3	SINT	REAL	SSKP0017TM	N				
54	0	133	8	SST06109	S5_MAG_3	SINT	REAL	SSKP0017TM	N				
55	0	134	8	SST06110	S6_MAG_3	SINT	REAL	SSKP0017TM	N				
56	0	135	8	SST06111	S7_MAG_3	SINT	REAL	SSKP0017TM	N				
57	0	136	8	SST06112	S8_MAG_3	SINT	REAL	SSKP0017TM	N				
58	0	137	8	SST06113	S9_MAG_3	SINT	REAL	SSKP0017TM	N				



## Sentinel-2 SRDB Database Extract

TM Packets Structure

Date: 21.11.2011  
 Comment/Unit:  
 Database: SISS2MAS  
 Rel./Iss.: 2, 51  
 Page: 3 of 3

Name	Description	Serv	Subserv	PID	PCAT	APID	Datatn	Len[By]	Variab	Discrim 1	SID	PID_Inter	PID_Valid	SPID	Gen_Stat
SSY_HK_35803	TM_TDB_3		3,25	39	6	630	Y	161	FIXED	SST07000	106		Y	35803	DISABLED

Rank	Level	Pos[Byte / Bit]	Len[bit]	Name	Description	Code	Type	Cal.	REPET	PIDREF	Width	Justify	Newline
59	0	138	8	SST06114	S10_MAG_3	SINT	REAL	SSKP0017TM	N				
60	0	139	8	SST06115	S11_MAG_3	SINT	REAL	SSKP0017TM	N				
61	0	140	8	SST06116	S12_MAG_3	SINT	REAL	SSKP0017TM	N				
62	0	141	8	SST06117	S13_MAG_3	SINT	REAL	SSKP0017TM	N				
63	0	142	8	SST06118	S14_MAG_3	SINT	REAL	SSKP0017TM	N				
64	0	143	8	SST06119	S15_MAG_3	SINT	REAL	SSKP0017TM	N				
65	0	144	8	SST06120	S16_MAG_3	SINT	REAL	SSKP0017TM	N				
66	0	145	16	SSTG6006	GloPar1TDB_3				N				
		0	1	SSTD6121	S1_VALID_3	UINT	STRING	SSKT0018TM					
		1	1	SSTD6122	S2_VALID_3	UINT	STRING	SSKT0018TM					
		2	1	SSTD6123	S3_VALID_3	UINT	STRING	SSKT0018TM					
		3	1	SSTD6124	S4_VALID_3	UINT	STRING	SSKT0018TM					
		4	1	SSTD6125	S5_VALID_3	UINT	STRING	SSKT0018TM					
		5	1	SSTD6126	S6_VALID_3	UINT	STRING	SSKT0018TM					
		6	1	SSTD6127	S7_VALID_3	UINT	STRING	SSKT0018TM					
		7	1	SSTD6128	S8_VALID_3	UINT	STRING	SSKT0018TM					
		8	1	SSTD6129	S9_VALID_3	UINT	STRING	SSKT0018TM					
		9	1	SSTD6130	S10_VALID_3	UINT	STRING	SSKT0018TM					
		10	1	SSTD6131	S11_VALID_3	UINT	STRING	SSKT0018TM					
		11	1	SSTD6132	S12_VALID_3	UINT	STRING	SSKT0018TM					
		12	1	SSTD6133	S13_VALID_3	UINT	STRING	SSKT0018TM					
		13	1	SSTD6134	S14_VALID_3	UINT	STRING	SSKT0018TM					
		14	1	SSTD6135	S15_VALID_3	UINT	STRING	SSKT0018TM					
		15	1	SSTD6136	S16_VALID_3	UINT	STRING	SSKT0018TM					



**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 . 51  
Page: 1 of 2

**Name:** SSKP0016TM **Descr:** tangent value

**Unit:**

X

Y

**Referenced by:**

SST06057 S1\_TA\_3  
SST06058 S1\_TB\_3  
SST06059 S2\_TA\_3  
SST06060 S2\_TB\_3  
SST06061 S3\_TA\_3  
SST06062 S3\_TB\_3  
SST06063 S4\_TA\_3  
SST06064 S4\_TB\_3  
SST06065 S5\_TA\_3  
SST06066 S5\_TB\_3  
SST06067 S6\_TA\_3  
SST06068 S6\_TB\_3  
SST06069 S7\_TA\_3  
SST06070 S7\_TB\_3  
SST06071 S8\_TA\_3  
SST06072 S8\_TB\_3  
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SST06075 S10\_TA\_3  
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SST06077 S11\_TA\_3  
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SST06079 S12\_TA\_3  
SST06080 S12\_TB\_3  
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SST06082 S13\_TB\_3  
SST06083 S14\_TA\_3  
SST06084 S14\_TB\_3  
SST06085 S15\_TA\_3  
SST06086 S15\_TB\_3  
SST06087 S16\_TA\_3  
SST06088 S16\_TB\_3

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**Modelname:** GENERIC

-16777216 -1  
16777215 1

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**Sentinel-2**  
**SRDB Database Extract**  
TM Numerical Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 2 of 2

**Name:** SSKP0017TM **Descr:** instrumental magnitude

**Unit:** X Y

**Referenced by:**

SST06105 S1\_MAG\_3  
SST06106 S2\_MAG\_3  
SST06107 S3\_MAG\_3  
SST06108 S4\_MAG\_3  
SST06109 S5\_MAG\_3  
SST06110 S6\_MAG\_3  
SST06111 S7\_MAG\_3  
SST06112 S8\_MAG\_3  
SST06113 S9\_MAG\_3  
SST06114 S10\_MAG\_3  
SST06115 S11\_MAG\_3  
SST06116 S12\_MAG\_3  
SST06117 S13\_MAG\_3  
SST06118 S14\_MAG\_3  
SST06119 S15\_MAG\_3  
SST06120 S16\_MAG\_3

---

**Modelname:** GENERIC

-128 12.8  
127 17.7

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**Sentinel-2**  
**SRDB Database Extract**  
TM Textual Calibration Curves

Date: 21.11.2011  
Comment/Unit:  
Database: SISS2MAS  
Rel./Iss.: 2 , 51  
Page: 1 of 1

**Name:** SSKT0018TM **Descr:** valid N/Y

**Referenced by:**

**From To Text**

SSTD6121 S1\_VALID\_3  
SSTD6122 S2\_VALID\_3  
SSTD6123 S3\_VALID\_3  
SSTD6124 S4\_VALID\_3  
SSTD6125 S5\_VALID\_3  
SSTD6126 S6\_VALID\_3  
SSTD6127 S7\_VALID\_3  
SSTD6128 S8\_VALID\_3  
SSTD6129 S9\_VALID\_3  
SSTD6130 S10\_VALID\_3  
SSTD6131 S11\_VALID\_3  
SSTD6132 S12\_VALID\_3  
SSTD6133 S13\_VALID\_3  
SSTD6134 S14\_VALID\_3  
SSTD6135 S15\_VALID\_3  
SSTD6136 S16\_VALID\_3

0 NOTVALID  
1 VALID

---

# Sentinel 2 Distribution Sheet

Doc. No: GS2.ICD.ASD.SY.00012

Issue: 5

Date: 24.11.2011

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