

HERSCHEL / PLANCK

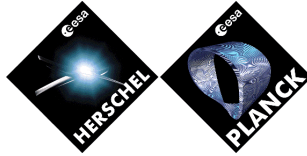
CDR THERMAL ANALYSES REPORT

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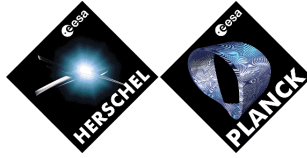
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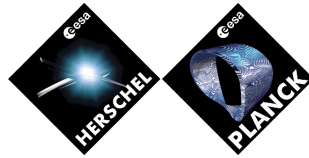
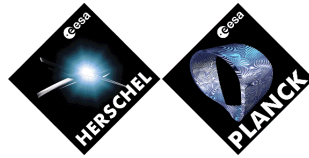


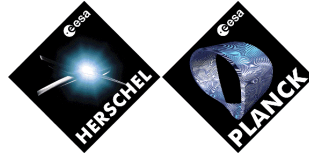
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1. SCOPE

1.1 Objectives

The aim of this document is to check:

- Ø the validity of the thermal interfaces requirement applicable on each module, after merging of their respective thermal and mathematical model.
- Ø both satellites overall thermal performances.

The description of the geometric and thermal mathematical model built for HERSCHEL and PLANCK is presented, as well as the studies derived from the thermal analyses performed on both satellites.

Each satellite is composed of:

- A Service Module (SVM)
- A Payload Module (PLM)

Herschel and Planck overall configuration are depicted in Figure 1-1 and Figure 1-2

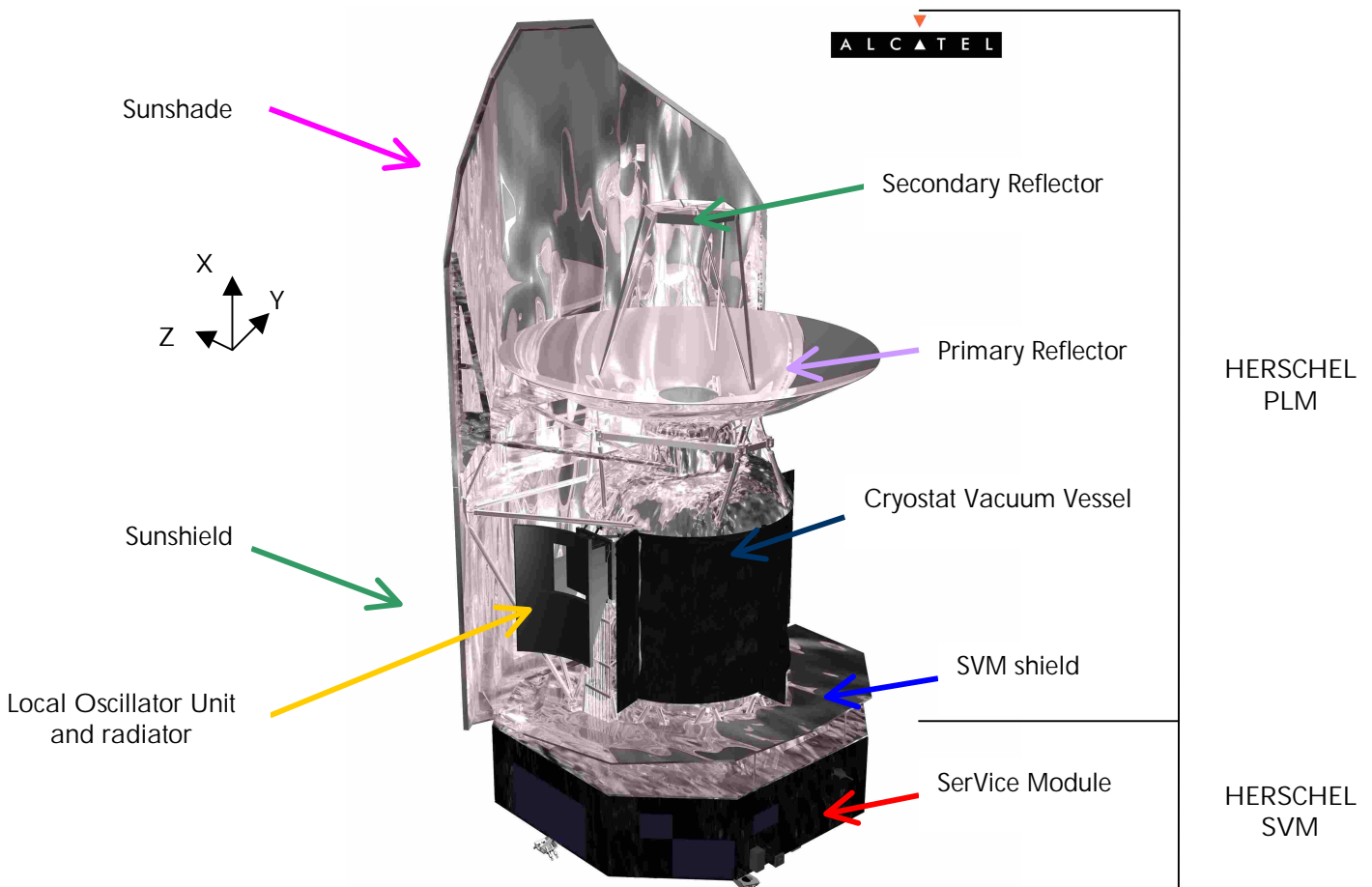


Figure 1-1: HERSCHEL overall configuration

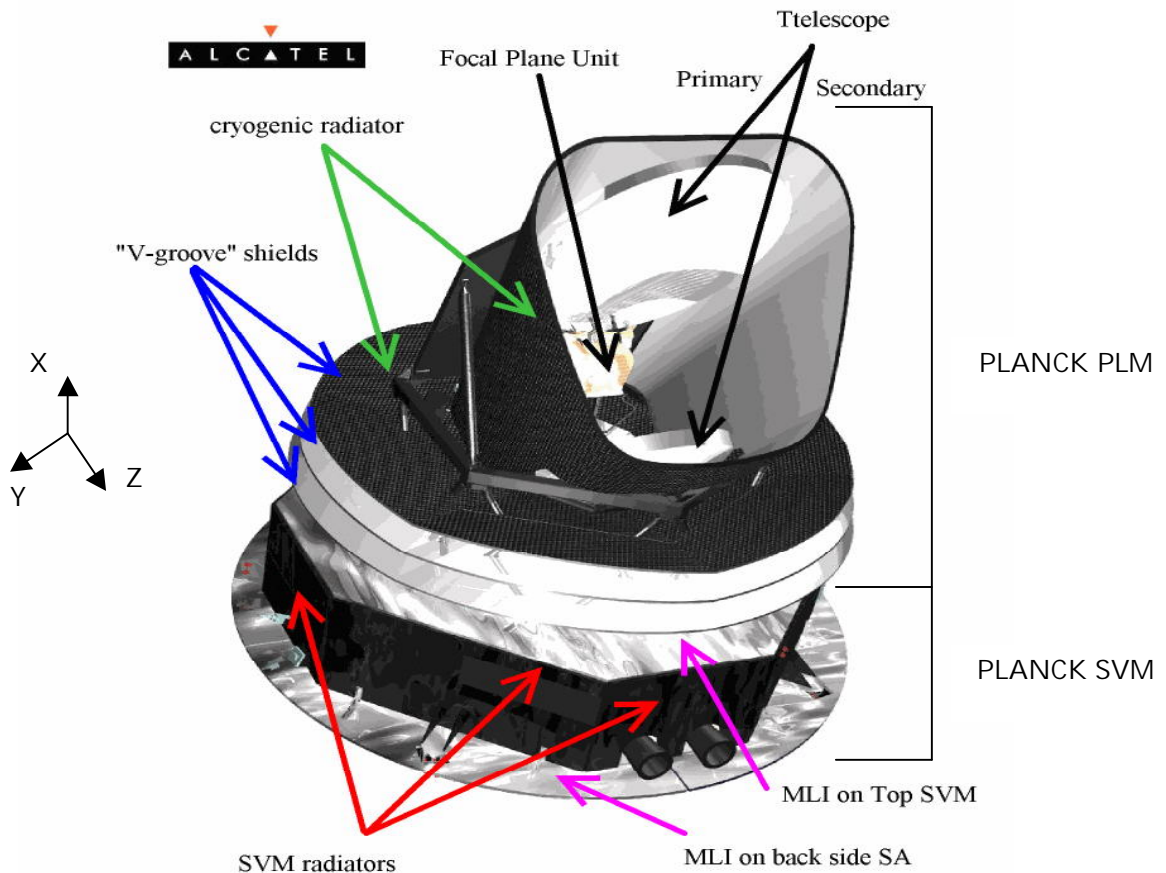


Figure 1-2: PLANCK overall configuration

ALCATEL has built overall Thermal and Mathematical Models (TMM) for each satellite, merging the different TMM made by the sub-contractors.

HERSCHEL global RTMM, delivered to ARIANESPACE [RD-12], used for the launch phase studies is composed of:

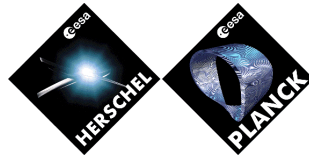
- H-PLM RTMM built by ASTRIUM and delivered in July 2003 [RD-16].
- H-SVM RTMM built by ALENIA and delivered in July 2003 [RD-14].

HERSCHEL global TMM, used for orbit phase studies, is built from the compilation of:

- H-SVM TMM, TCS CDR status, built by ALENIA and delivered in March 2004 [RD-6].
- H-PLM TMM issue 4 built by ASTRIUM and delivered in April 2004 [RD-5].

PLANCK global RTMM, delivered to ARIANESPACE [RD-13], used for the launch phase studies is composed of:

Reference du modèle : MD23-3



- P-PLM RTMM built by ALCATEL and delivered in August 2003 [RD-15].
- P-SVM RTMM built by ALENIA and delivered in July 2003 [RD-14].

PLANCK global TMM, used for the orbit phase studies, is built from the compilation of:

- P-SVM TMM, TCS CDR status, built by ALENIA and delivered in March 2004 [RD-6].
- P-PLM TMM, P-PLM CDR status, built by ALCATEL [RD-7].

The SVM thermal modelling, used for the system TMMs, is representative of the SVM TCS CDR configuration. Especially, the instruments warm unit definition in term of size, mass and thermal dissipation is in accordance with their respective Interfaces document (IID-B). The purpose of the overall thermal analyses is however not dedicated to verification of the SVM thermal control, which is performed by ALENIA with a model representative of the working baseline configuration agreed for the CDR Data Package. The main objective of the system thermal analyses is to validate the thermal interfaces between the modules (SVM and PLM). System thermal analyses support also trade-off activities at system level and management of the instruments thermal interfaces. An up to date configuration is therefore usually not required. Anyway, potential impacts of the upgraded configuration are always identified.

1.2 Organisation of the document

In the present document, the different descriptions and studies concerning each satellite have been described in a dedicated chapter. HERSCHEL model description and thermal analyses are presented in chapter 3. Chapter 4 is dedicated to PLANCK.

1.3 Sizing cases

For both satellites, the thermal cases, which have been analysed for the system CDR, result from the compilation of cases performed by each sub-contractors. These thermal cases have been already validated at PDR level, therefore for simplification reasons, only sizing cases have been kept.

1.4 Thermal interface specification

All the thermal interface specifications, which will be verified in the following chapters, are described in the [AD-4]. The other specifications with regards to the thermal aspects (instruments, modules, system,...) are discussed in [AD-6].

2. DOCUMENTS

2.1 Applicable documents

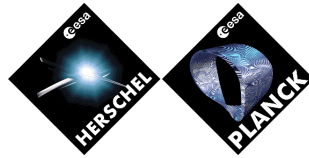
The applicable documents reported below are applicable in their last issue.

The rules and requirements that they contain shall be applied for the HERSCHEL/PLANCK thermal control development and design.

[AD-1]: "General design & interface requirements"	Ref: H-P-1-ASPI-SP-0027 issue 4.2
[AD-2]: "H/P system requirements specification"	Ref: SCI-PT-RS-05991 issue 3.2
[AD-3]: "H/P environment and tests requirements"	Ref: H-P-1-ASPI-SP-0030 issue 4.2
[AD-4]: "SVM interface specification"	Ref: H-P-4-ASPI-IS-0042 issue 5.0
[AD-5]: "SVM requirement specification"	Ref: H-P-4-ASPI-SP-0019 issue 4.1
[AD-6]: "CDR Design report"	Ref: H-P-1-ASP-RP-0666 issue 1.0
[AD-7]: "PLANCK SVM thermal interfaces"	Ref: H-P-1-ASP-TN-0417 issue 1.0
[AD-8]: "HERSCHEL SVM thermal interfaces"	Ref: H-P-1-ASP-TN-0418 issue 2.0

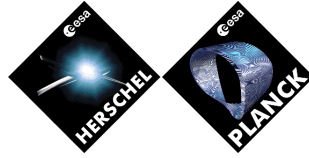
2.2 Reference documents

[RD-1]: "IID, Part B: "High Frequency Instrument"	Ref: SCI-PT-IIDB/HFI-04141 issue 3.1
[RD-2]: " IID, Part B: "Low Frequency Instrument"	Ref: SCI-PT-IIDB/LFI-04142 issue 3.0
[RD-3]: " IID, Part B: "Photoconductor Instrument"	Ref: SCI-PT-IIDB/PACS-2126 issue 3.2
[RD-4]: " IID, Part B: "Instrument HIFI"	Ref: SCI-PT-IIDB/HIFI-2125 issue 3.2
[RD-5]: "H-EPLM Thermal Model and Analysis"	Ref: HP-2-ASED-RP-0011 issue 4.0
[RD-6]: "SVM TCS Thermal Analysis Report"	Ref: H-P-RP-AI-0040 issue 2.0
[RD-7]: "PPLM Thermal analyses"	Ref: H-P-3-ASPI-AN-0330 issue 2.0
[RD-8]: "HERSCHEL thermal analysis results and breakdown"	Ref: H-P-RP-AI-0065 issue 1.0
[RD-9]: "PLANCK thermal analysis results and breakdown"	Ref: H-P-RP-AI-0066 issue 1.0
[RD-10]: "Uncertainties thermal analysis"	Ref: H-P-TN-AI-0045 issue 3.0
[RD-11]: "SVM TCS transfer orbit"	Ref: H-P-RP-AI-0067 issue 1.0
[RD-12]: "HERSCHEL reduced thermal model for CLA"	Ref: H-P-1-ASP-TN-3590 issue 1.0
[RD-13]: "PLANCK reduced thermal model for CLA"	Ref: H-P-1-ASP-TN-3589 issue 1.0
[RD-14]: "H/P RGMM & RTMM description for CLA analysis"	Ref: H-P-TN-AI-0061 issue 1.0
[RD-15]: "Reduced PLANCK PLM TMM"	Ref: H-P-ASPI-DD-1568 issue 1.0
[RD-16]: "H-EPLM reduced thermal model for CLA"	Ref: HP-2-ASED-RP-0094 issue 1.0
[RD-17]: "PLANCK PLM RF performance analysis"	Ref: H-P-3-ASPI-AN-323 issue 2.0
[RD-18]: " IID, Part B: "Instrument SPIRE"	Ref: SCI-PT-IIDB/SPIRE-2124 issue 3.2



2.3 Acronyms

AE	ArianEspace
AD	Applicable Document
BEU	Back End Unit
BOL	Beginning of Life
CFRP	Carbon Fiber Reinforced Plastic
CTE	Coefficient of thermal expansion
CVV	Cryostat Vacuum Vessel
DAE	Data Acquisition Electronics
EOL	End Of Life
EP	Entrance Pupil
FPA	Focal Plane Assembly
FOV	Field-Of-View
GMM	Geometric Mathematical Model
HFI	High Frequency Instrument
LFI	Low Frequency Instrument
LOS	Line Of Sight
LVA	Launcher Vehicle Adapter
MLI	Multi Layers Insulation
MOS	Margin Of Safety
N/A	Not Applicable
OSR	Optical Solar Reflector
PA	Product Assurance
PAU	Pre Amplifier Unit
PDR	Preliminary Design Review
PLM	Payload Module
PPLM	Planck Payload Module
PR	Primary Reflector
PtV	Pic to valley
RD	Reference Document
RCS	Reaction Control Subsystem
RH	Relative Humidity
RMS	Root Mean Square
RTMM	Reduced Thermal Mathematical Model
S/C	Spacecraft
SCC	Sorption Cooler Compressor
SCE	Sorption Cooler Electronics
SR	Secondary Reflector
SRS	System Requirements Specification
SVM	SerVice Module
TA	Telescope Assembly
TCS	Thermal Control Subsystem



TBC	To Be Confirmed
TBD	To Be Determined
TMM	Thermal Mathematical Model
WFE	Wave Front Error
wrt	With Regards To

3. HERSCHEL SYSTEM THERMAL ANALYSES

3.1 Spacecraft thermal modelling

3.1.1 Model Description

The HERSCHEL spacecraft geometrical and mathematical thermal Models (GMM and TMM) have been built merging the GMM and TMM of each module:

- HERSCHEL Service Module (H-SVM), the complete H-SVM model description is available in [RD-6] and [RD-8].
- HERSCHEL Payload Module (H-PLM), the complete H-PLM model description is available in [RD-5].

HERSCHEL SVM GMM and TMM have been built by ALENIA, whereas the HERSCHEL PLM GMM and TMM have been developed by ASED.

The mathematical model has been prepared using ESARAD 5.1.3 for the GMM and ESATAN 8.7.1 for the temperature solving.

3.1.1.1 HERSCHEL Geometrical and Mathematical Model

The GMM used for computation of the radiative exchange factor results from the compilation of the ALENIA GMM delivered at the TCS CDR and the ASED PLM GMM CDR status. No unit has been modified wrt ALENIA or ASED deliveries.

The HERSCHEL GMM has been split in two enclosures radiatively independent, as described hereunder :

- ∅ The spacecraft external enclosure, composed of the H-SVM external enclosure and the H-PLM,
- ∅ The H-SVM internal enclosure, where the location and the size of the instruments warm units are compliant with the instruments IID-B. The HIFI warm units are located on two dedicated panels (the -Y and the -Y-Z panels). This position allows to guarantee a stable environment for these instruments, independently of the SAA variations. The PACS warm units are grouped on a dedicated panel, located in +Y-Z. The SPIRE warm units are installed on the -Z panel.

The HERSCHEL geometrical and radiative modelling is depicted in Figure 4-1 and Figure 4-2.

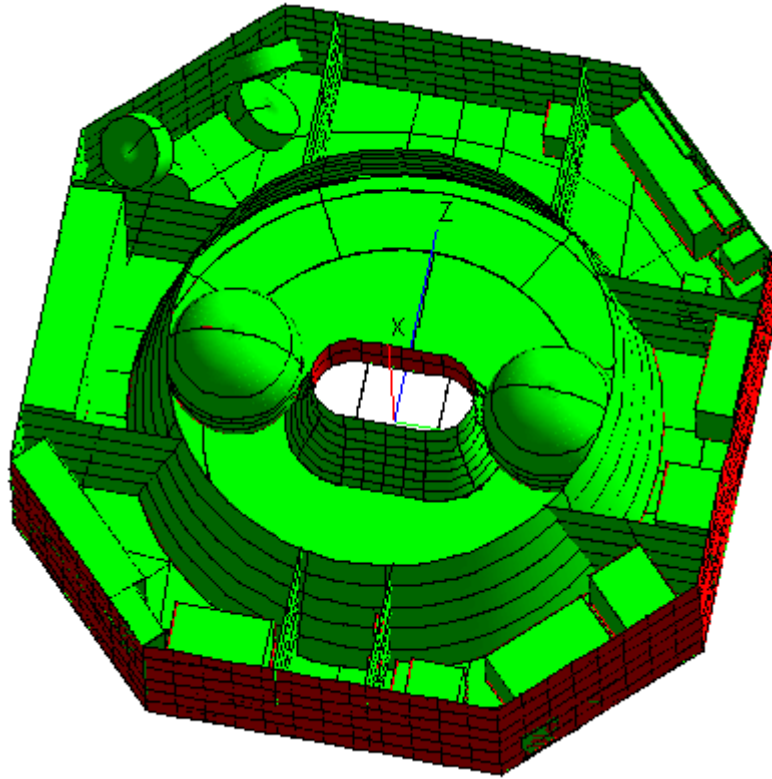
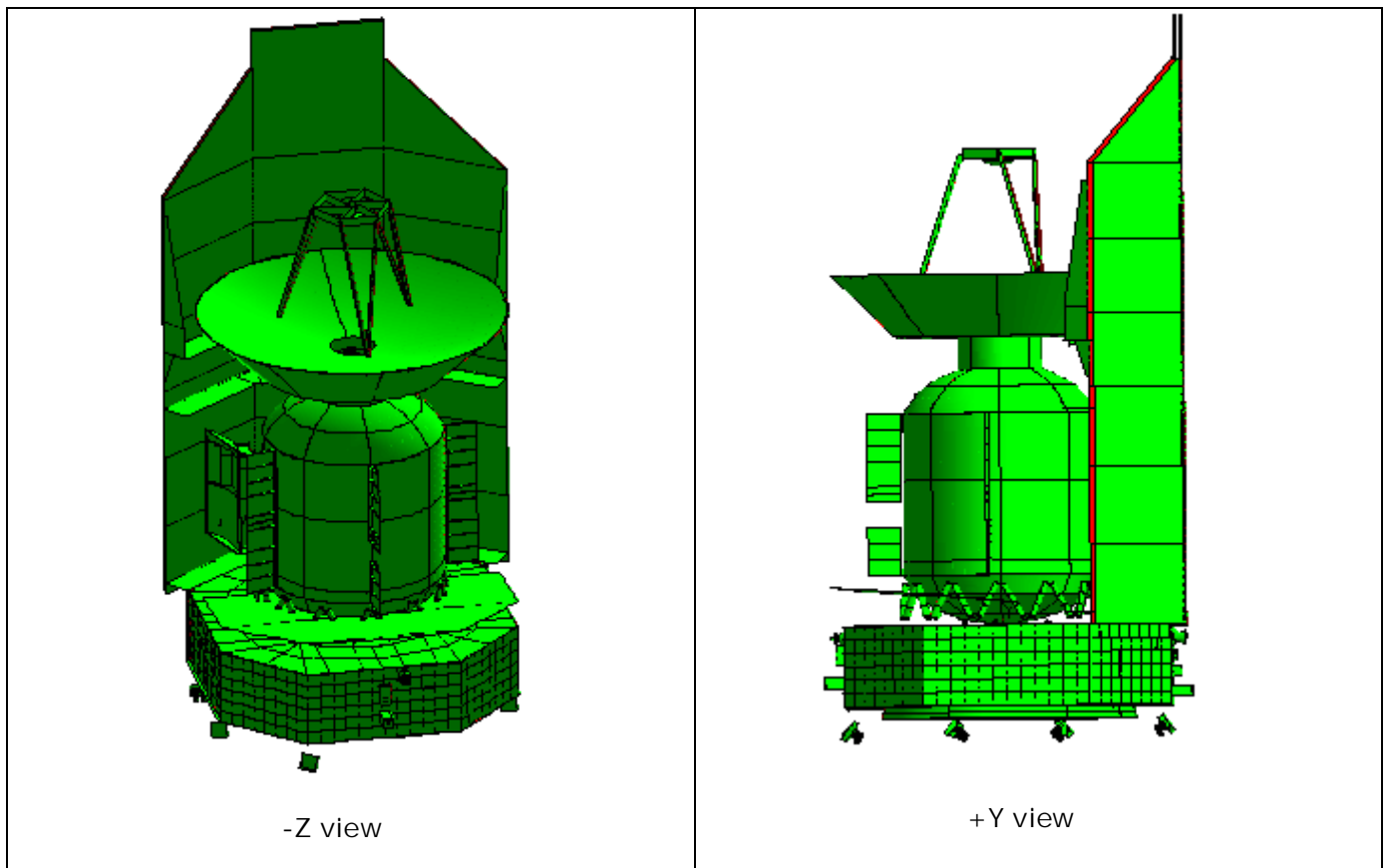


Figure 3-1: HERSCHEL SVM internal enclosure view



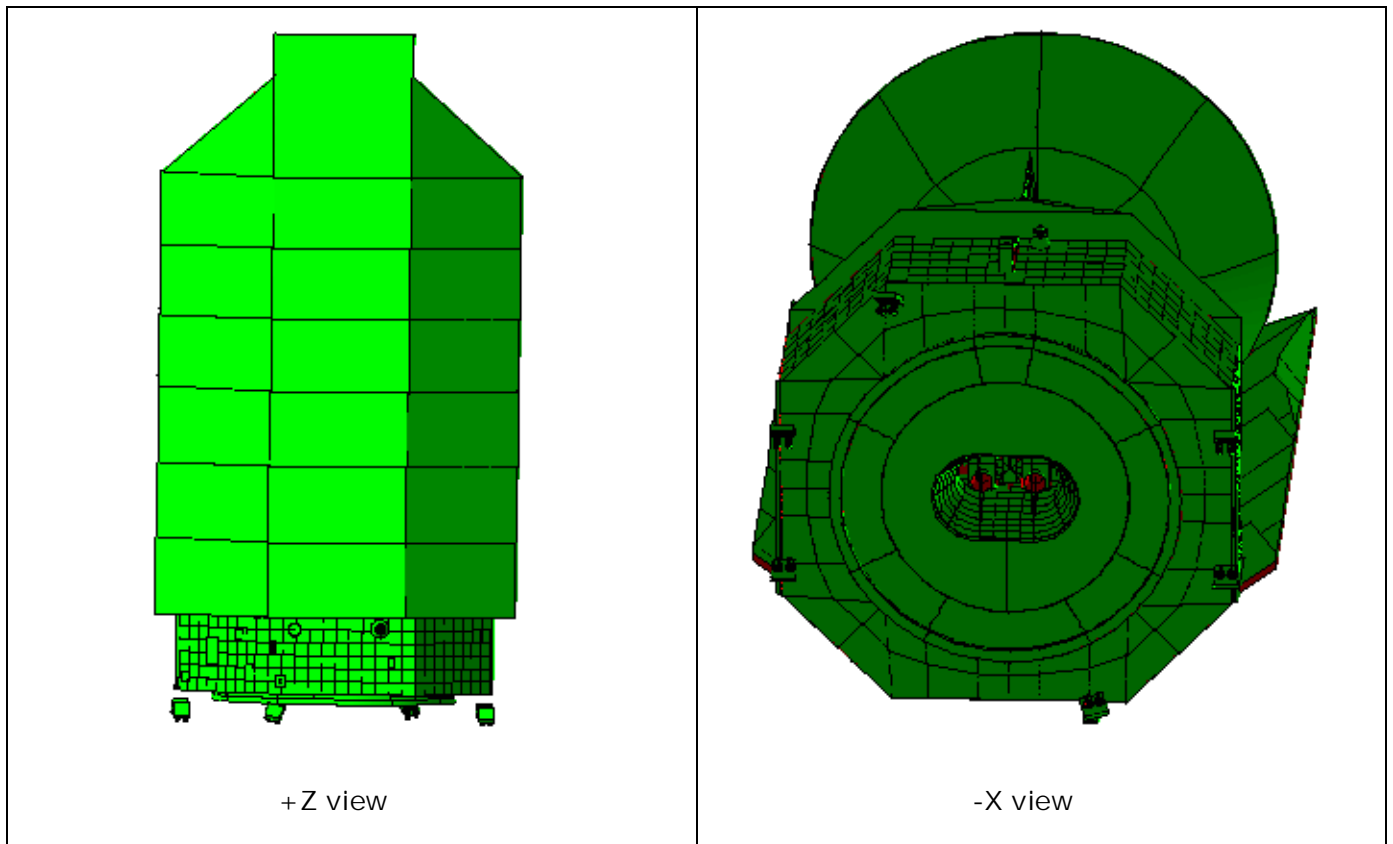


Figure 3-2: HERSCHEL Spacecraft external enclosure views

3.1.1.2 HERSCHEL Thermal and Mathematical Modelling

The HERSCHEL Thermal and Mathematical model contains:

- The thermal nodes description,
- The thermal conductivity network,
- The radiative exchange factors,
- The thermal capacitances,
- The unit & instrument dissipations,
- The active thermal control,
- The external fluxes.

The HERSCHEL TMM is built by sub-model implementation, as described hereafter:

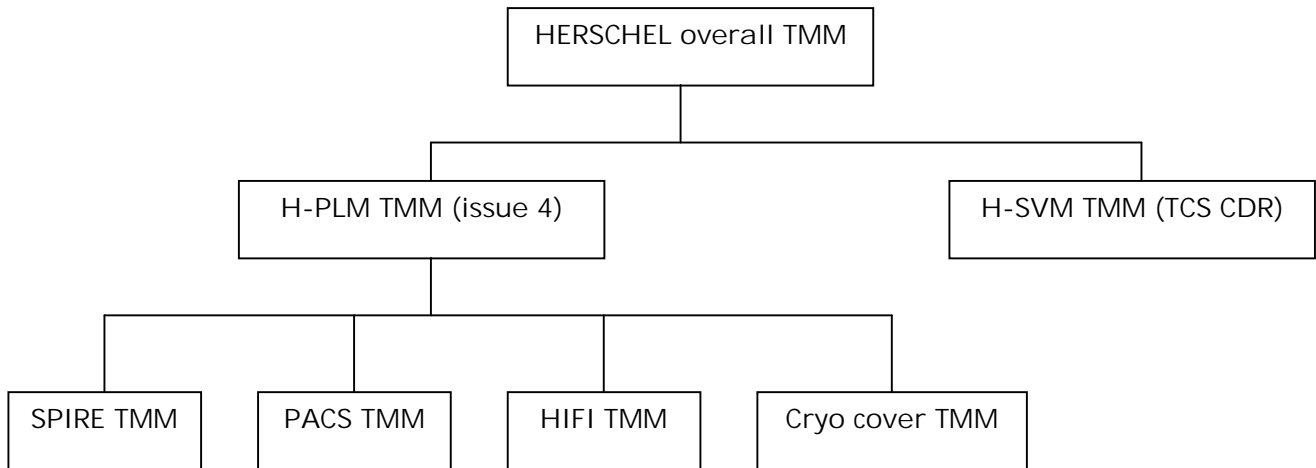


Figure 3-3: HERSCHEL sub-model tree

The overall HERSCHEL TMM is composed of 4 160 thermal nodes, spread as follows:

- PACS = 25 nodes, in the range [711 – 783],
- SPIRE = 27 nodes, in the range [800 – 832],
- HIFI = 18 nodes, in the range [910 – 949],
- Cryo Cover = 10 nodes, in the range [4800 – 4823],
- H-PLM = 913 nodes, in the range [10 – 9 808],
- H-SVM = 3 163 nodes, in the range [4 – 99 873],
- Inactive nodes = 3 nodes, [99 996 – 99 998],
- Space = 1 node, [99 999].

The H-SVM and H-PLM TMM are conductively connected at the level of:

- ∅ the CVV struts interface points,
- ∅ the SVM shield struts interface points,
- ∅ the STR assembly struts interface points,
- ∅ the Sunshield struts and brackets interface points,
- ∅ the LOU wave guides,
- ∅ the instrument harnesses.

Remark: The instrument harnesses H-SVM interfaces are modelled by means of a boundary node fixed at 300 K.

3.1.2 Hypotheses for computation

3.1.2.1 Launch phase

The launch phase regroups:

- The ground phase,
- The launch till the launcher separation.

The thermal analyses with regards to the launch phase have been carried out by AE, except for the launch transient cases. These analyses have been performed on the HERSCHEL overall RTMM adapted with the launch requirements as described in the [RD-12].

3.1.2.1.1 Launch transient cases

After the fairing jettisoning, the spacecraft will be submitted to the aerothermal fluxes due to its low altitude and to a barbecue mode around +X axis due to the launcher attitude control.

The baseline scenario for the launcher attitude during launch trajectory is a three axes control. Due to the large specified Solar Aspect Angle ($\pm 180^\circ$ roll and between 20° and 140° from Xs satellite axis), some elements usually shadowed by the sunshield/sunshade from launcher separation to the end of the mission may be illuminated. This could be critical for light structures such as MLI blankets. Sun impingement and solar trapping could damage the MLI and reduce its efficiency. The aim of this study is to estimate the maximum temperature level reached on some MLI of the spacecraft, and to compare the results to the conventional maximum design temperatures of such components.

For this purpose, thermal analyses have been performed in order to validate the HERSCHEL thermal design robustness.

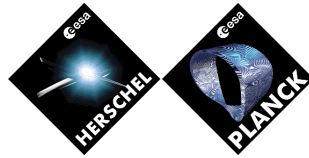
The solar and aerothermal fluxes have been computed with the HERSCHEL overall GMM – PDR status for several sun aspect angles, considering the following assumptions:

Remark: These analysis have begun on the HERSCHEL overall TMM – PDR status, before the CDR modules TMM delivery. For comparison reasons, the analyses have been proceeded on the same TMM afterwards. The computations have not been re-run with the HERSCHEL overall TMM – CDR status. Anyway, the obtained results have been judged enough representative to determine the sizing cases, which have been afterwards accurately analysed by each sub-contractor with CDR level TMMs.

- BOL thermo-optical properties, Sun temperature 5792 K, Solar constant 1425 W/m²,
- Spin rate 0.5°/s around X axis,
- Barbecue duration : 1 loop (720 s),
- The telescope thermo-optical properties have been modified as indicated table 3-1 in order to estimate more accurately the solar flux reflection onto the M1 mirror which will impinge the sunshade MLI.

	IR emissivity	IR diffuse reflectivity	IR specular reflectivity	IR transmittivity	Solar absorptivity	Solar diffuse reflectivity	Solar specular reflectivity	Solar transmittivity
M1 initial thermo-optical properties	0.02	0.059	0.921	0	0.06	0.94	0	0
M1 modified thermo-optical properties	0.02	0.059	0.921	0	0	0.1	0.9	0

Table 3-1: HERSCHEL telescope thermo-optical properties update



3.1.2.2 Transfer orbit

The transfer orbit corresponds to the mission phase between the launcher separation till the L2 positioning.

The thermal analyses with regards to the transfer orbit phase have been carried out at module level by ALENIA and ASED respectively for the H-SVM and H-PLM. The considering assumptions for these analyses are reported in [RD-11] and [RD-5].

3.1.2.3 Orbital phase

The thermal cases defined to perform the thermal analyses are reported in table 3-3.

POWER DISSIPATION			
Operational cases			Safe case
H-SVM	<u>Max:</u> Telecom EOL / mode 2 "PACS prime" Spectrometry	<u>Min:</u> Scientific BOL / mode 3 "SPIRE prime"	Survival BOL
H-PLM	IID-A	IID-A	No dissipation

Table 3-2: HERSCHEL units dissipation

The instruments warm unit dissipations are compliant with the Interface Document IID-B. For the spacecraft units and instruments, the thermal dissipations have not been modified wrt original ALENIA or ASED data. Several thermal cases, depending on the sun aspect angle, have been performed.

Case	SAA	Solar constant	Sun temperature	Thermo-optical properties	Power dissipation	Thermal case
1	90°	1405 W/m ²	5792 K	EOL	SVM max	HOT 1
					PLM IID-A	
2	90°	1405 W/m ²	5792 K	EOL	SVM min	HOT 2
					PLM IID-A	
3	120°	1405 W/m ²	5792 K	EOL	SVM max	HOT 3
					PLM IID-A	
4	120°	1405 W/m ²	5792 K	EOL	SVM min	HOT 4
					PLM IID-A	
5	60°	1285 W/m ²	5772 K	BOL	SVM min	COLD
					PLM IID-A	
6	90°	1285 W/m ²	5772 K	BOL	Safe	SAFE
					No dissipation	

Table 3-3: HERSCHEL thermal cases

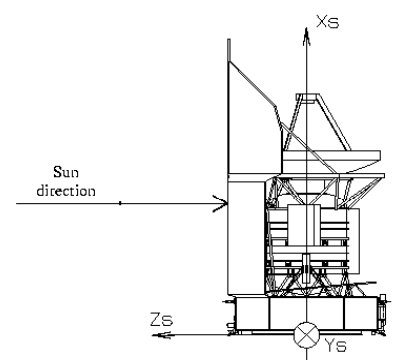
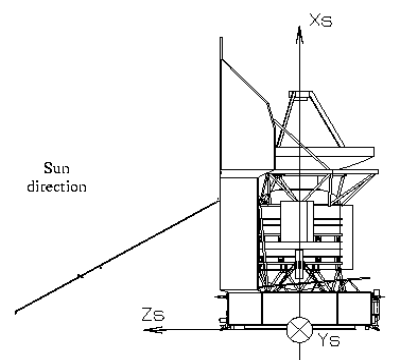
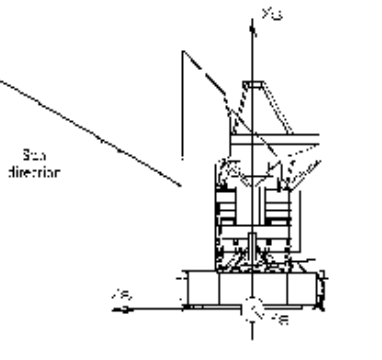
SAA +90° from Xs axis	SAA +120° from Xs axis	SAA +60° from Xs axis
		
H-PLM "hot case"	H-PLM "average case"	H-PLM "cold case"
H-SVM "average case"	H-SVM "hot case"	H-SVM "cold case"

Figure 3-4: HERSCHEL sizing cases

Remark : Due to its low impact on the thermal performances, the roll angle (around Xs axis) has been set at 0° for all the thermal cases.

For all these thermal cases relative to the orbital phase, the CVV cover has been considered open.

3.2 Thermal analyses results

3.2.1 Launch phase

The computations, made by AE in the frame of the RAMP, are still in progress. The results are foreseen for the 23/07/2004. They will be discussed during the system CDR collocation.

3.2.1.1 Launch transient cases

Several "barbecue" mode (complete rotation of the spacecraft around its X axis) computations, depending on the solar aspect angle, have been performed in order to estimate the impact on the thermal design and to determine the sizing thermal cases to be analysed accurately by the sub-contractors, as described in [AD-6].

The results have shown that the impact on the H-SVM thermal design due to the last trajectory parameters, delivered by AE, are covered by the initial computations.

The combinations of ALCATEL thermal and optical analysis have shown a discrepancy on the telescope thermo-optical properties. The M1 thermo-optical properties were only diffuse, which doesn't correspond to the M1 specular behaviour. Some conservative modifications have been provided to correct the initial assumptions, as described in paragraph 3.1.2.1.1.

The H-PLM launch transient cases analyses will be re-run by ASED according to the last trajectory parameters, delivered by AE, and M1 thermo-optical properties update in the frame of the CR 0633.

3.2.2 Transfer orbit

The transfer orbit analyses have not been re-run at system level. The thermal analyses performed by ALENIA and ASED, respectively for the H-SVM and the H-PLM are available in [RD-11] and in [RD-5].

3.2.3 Orbital phase

The thermal node temperature complete listing is reported in appendix 1 for the different thermal cases.

The thermal performances, in term of H-PLM CVV lifetime, are presented in the table 3-4 for all the thermal cases:

The "contractual" lifetime computation is given by the following formula, explained in [RD-5] :

$$\text{Lifetime (Days)} = 0.9964 \times (3185.5 / M_{\text{He}} - 41 \text{ days}) \quad \text{with } M_{\text{He}} \text{ in (mg/s)}$$

TMM: thermal case	M _{He} (mg/s)	Lifetime (Days)
H-PLM TMM issue 4: CDR computation	2.267	1359
HERSCHEL overall TMM: Case 1 (hot1)	2.304	1336
HERSCHEL overall TMM: Case 2 (hot2)	2.296	1341
HERSCHEL overall TMM: Case 3 (hot3)	2.285	1348
HERSCHEL overall TMM: Case 4 (hot4)	2.276	1353
HERSCHEL overall TMM: Case 5 (cold)	2.180	1415
HERSCHEL overall TMM: Case 6 (safe)	1.758	1764

Table 3-4: HERSCHEL lifetime performances

The comparison between results from H-PLM CDR and System CDR show lifetime performances of the same order. The differences, comforting H-PLM thermal performance, are explained by assumptions about SVM/PLM interface temperatures and solar external fluxes, different between H-PLM CDR contractual lifetime computation and System CDR computations.

The average lifetime between the worst hot case (case 1) and cold case (case 5) leads to an average lifetime of 1375 days. This average lifetime, considering realistic interfaces, is higher than the one computed by ASED (1359 days), which confort the lifetime performance.

Remark: The IID-A heat load allocations have been chosen for the H-PLM instruments, instead of the instrument sub-models dissipation, in order to be able to calculate the He mass flow relevant for the contractual lifetime. These computations cannot be used for any instrument temperature prediction.

All the non-compliances related to H-SVM thermal control and the associated envisaged recovery actions are listed in [AD-6].

3.2.3.1 Thermal interfaces validation

This chapter deals with the verification of the interface requirements between the H-SVM and H-PLM modules.

At H-SVM level, the specifications are split into environmental specifications and interfaces requirements. The first ones deals with the H-PLM thermal input to be taken into account for H-SVM thermal analyses. The second ones establish the thermal performances required to the H-SVM in order to achieve the thermal performances at H-PLM level.

3.2.3.1.1 Modules Interface temperatures assessment

The results reported in the table hereafter are obtained with the global HERSCHEL TMM. Computations have been performed for all the thermal cases defined.

The temperatures and the heat budgets presented hereafter are calculated ones, i.e. without margins and uncertainties.

3.2.3.1.2 Temperature level requirements assessment

The next table allows a comparison between the computed temperature levels to the required data as reported in the SVM interface specification [AD-4]. The interface temperature of the H-SVM top MLI, the CVV and the SVM shield struts attachment points are required to stay below a maximum value to guarantee a suitable thermal environment for the H-PLM. The relevant temperature levels computed with the HERSCHEL overall system TMM as well as the requirements are reported on table 3-5.

Elements	MLI on H-SVM top (****)	CVV Interface struts	SVM Shield Interface struts
Requirement	< 220 K	< 293 K	< 293 K
Ref. Requirement in [AD-4]	ITP-100-H	ITP-120-H	ITP-130-H
Assumptions for H-PLM CDR analysis	230 K (Orbit hot)	293 K (Orbit hot)	293 K (Orbit hot)
H-SVM TCS CDR Temperature (K) (*)	[185.1 K – 227.5 K] Tavg 202.4 K	[281.5 K – 297.7 K] Tavg 289.8 K	[281.1 K – 293 K] Tavg 286.6 K
H-SVM TCS CDR temperature (K) + uncertainties (**)	[215.5 K – 249 K] Tavg 229.7 K	[289.1 K – 304.7 K] Tavg 297.3 K	[288.7 K – 300.5 K] Tavg 294.1 K
Computed Temperature (K) Case 1 (***)	[188.7 K – 236.3 K] Tavg 208.6 K	[285.4 K – 296.9 K] Tavg 290 K	[285.2 K – 293.1 K] Tavg 288

Table 3-5: HERSCHEL SVM/PLM I/F temperatures

(*): The temperatures reported in the table below are the [min – max] and average ones, presented by ALENIA in [RD-6], for the hottest pitch (SAA 90°) in the range [60°, 90°] from +X axis, and for the H-SVM Telecom mode 1 dissipations.

(**): The temperature uncertainties reported in the table below are the average ones weighted by areas, as presented in [RD-6].

(***): Only the worst hot case (case 1, as described in table 3.4) in the pitch range [60° - 90°] from +X axis, computed with the HERSCHEL overall TMM, has been reported according to [AD-4].

(****): The H-SVM top MLI is composed of the Upper closure MLI, the sub-platform MLI and the “swimming pool” MLI.

The H-SVM top MLI temperatures with added margins are not totally within the requirements (<220 K). Anyway, this “out of specification” is covered by the assumption taken into account for the H-PLM CDR thermal analysis (SVM top MLI temperatures, 230 K in hot case). This is not considered as critical due to the high level of radiative insulation at H-PLM side, nevertheless, a sensitivity analysis has been performed in paragraph 3.2.3.2 in order to estimate the lifetime impact of this “out of specification”.

The conductive interface temperatures (CVV and SVM shield I/F struts) are “out of specification”. The results obtained by ALENIA point out non-compliance too, since temperature at the CVV or SVM shield I/F struts may reach 293 K, margin included. A sensitivity analysis has been performed in paragraph 3.2.3.2 in order to estimate the lifetime impact of these “out of specification”.

The conductive flux onto the CVW due to the star-trackers assembly struts attachment points are reported in table 3-6.

Elements		STR assembly struts interface conductive flux
specification		< 150 mW
Ref. specification in [AD-4]		ITP-135-H
Assumption for H-PLM CDR analyses		200 mW
results	Case 1	143 mW
	Case 2	140 mW
	Case 3	150 mW
	Case 4	146 mW
	Case 5	84 mW
	Case 6	120 mW

Table 3-6: HERSCHEL STR assembly I/F heat loads

The conductive heat loads onto the CVW are compliant with the specification for all the thermal cases. Therefore, the conductive exchanged flux is lower than the current input data for the H-PLM thermal performance elaboration.

3.2.3.1.3 H-SVM thermal environment assessment

This paragraph is dedicated to the verification of the H-SVM thermal environment specifications, i.e. validation of the input parameters to be used by ALENIA to carry out the H-SVM thermal analyses.

Remark: the reported heat fluxes are related to SVM/PLM interface only, and are not fluxes onto the H-PLM elements.

Elements		CWV struts interface conductive flux	SVM Shield struts interface conductive flux	SSH struts & brackets interface conductive flux	LOU wave guides interface conductive flux	Harnesses conductive flux
specification		> -5 W	> -1 W	< 15 W	> -1 W	> -1 W
Ref. specification in [AD-4]		ITP-030-H	ITP-040-H	ITS-021-H	ITP-060-H	ITP-060-H
Results	Case 1	-3.9 W	-0.3 W	6.6 W	-4.7 W	-1.8 W
	Case 2	-3.7 W	-0.3 W	7.3 W	-4.3 W	-1.8 W
	Case 3	-4.5 W	-0.3 W	4.3 W	-5.6 W	-2.3 W
	Case 4	-4.2 W	-0.3 W	5.0 W	-5.2 W	-2.3 W
	Case 5	-3.4 W	-0.3 W	6.3 W	-3.9 W	-2.6 W
	Case 6	-3.0 W	-0.2 W	8.2 W	-3.2 W	-2.7 W

Table 3-7: HERSCHEL I/F heat loads

Remark: The heat loads are considered positive or negative with regards to the H-SVM power budget:

- Ø H-SVM à H-PLM: negative loads
- Ø H-SVM ß H-PLM: positive loads

The results are slightly above the requirements. The observed "out of specifications" for some of the conductive heat loads between the LOU WG, harnesses and the H-SVM are not critical. Indeed, the above heat loads are only input

data for the H-SVM thermal control, and represent a negligible amount of the total H-SVM heat exchange with environment.

3.2.3.2 H-SVM non-compliances impact on lifetime performance

In order to estimate the impact of the SVM/PLM I/F temperature degradation on the CVV lifetime, sensitivity analysis have been performed on the H-PLM TMM for the non-compliant elements. The H-SVM top MLI, the CVV and SVM shield I/F struts temperatures have been fixed to the temperatures ("out of specification") found with the HERSCHEL overall system TMM, including ALENIA's margins (see table 3-5).

Remark: The elements average temperatures, including ALENIA's average margins per elements, have been considered for each sensitivity.

- Ø The H-SVM top MLI nodes are fixed at $208.6 + 27.3K = 235.9K$, (sensitivity 1),
- Ø The CVV I/F struts nodes are fixed at, $290K + 7.5K = 297.5K$, (sensitivity 2),
- Ø The SVM Shield I/F struts nodes are fixed at, $288K + 7.5K = 295.5K$, (sensitivity 3).

The impact of these non-compliances has been estimated using ASED H-PLM TMM issue 4. The computation has been performed setting the concerning interface nodes at these temperatures, which is a sizing case with regards to ALCATEL system CDR results.

Thermal case	M_{He} (mg/s)	Lifetime (days)	• lifetime/ contractual lifetime (days)
H-PLM TMM issue 4 – orbit hot	2.125	1578.4	
H-PLM TMM issue 4 – sensitivity 1	2.132	1572.9	-5.5
H-PLM TMM issue 4 – sensitivity 2	2.126	1577.3	-1.1
H-PLM TMM issue 4 – sensitivity 3	2.125	1578.4	0
H-PLM TMM issue 4 – sensitivity 1+2+3	2.134	1571.7	-6.7

Table 3-8: HERSCHEL CVV lifetime sensitivity

The results show a limited impact of 6.7 days on the lifetime for the worst case, considering that the average thermal environment throughout orbit life is much cooler than worst hot conditions the real impact on life time is even lower than one week, consequently these non compliances are accepted at system level.

Remark : In cold case, the interface assumptions taken into account by ASED to elaborate the H-PLM thermal performances [RD-5] are conservative with regards to the ALENIA or ASP CDR system results.

4. PLANCK SYSTEM THERMAL ANALYSES

4.1 Spacecraft thermal modelling

4.1.1 Model Description

The PLANCK spacecraft geometrical and mathematical thermal Models (GMM and TMM) have been built merging the GMM and TMM of each module:

- PLANCK Service Module (P-SVM), the complete P-SVM model description is available in [RD-6] and [RD-9].
- PLANCK Payload Module (P-PLM), the complete P-PLM model description is available in [RD-7].

PLANCK SVM GMM and TMM have been built by ALENIA, whereas the PLANCK PLM GMM and TMM have been developed by ALCATEL as P-PLM main contractor.

The mathematical model has been prepared using ESARAD 5.1.3 for the GMM and ESATAN 8.7.1 for the temperature solving.

4.1.1.1 PLANCK Geometrical and Mathematical Model

The GMM used for computation of the radiative exchange factor results from the compilation of the ALENIA GMM delivered at the TCS CDR and the ALCATEL PLM GMM CDR status. No Unit has been modified wrt ALENIA or ALCATEL deliveries.

The PLANCK GMM has been split in three enclosures radiatively independent, as described hereunder:

- ∅ The spacecraft external enclosure, composed of the P-SVM external enclosure and the P-PLM,
- ∅ The P-SVM internal enclosure, where the units belonging to the same functional group are accommodated on the same dedicated panel. All spacecraft and instrument warm units are geometrically modelled.
- ∅ The BEU enclosure, composed of the three BEU boxes, the deported BEU radiator internal side and the BEU MLI internal side.

The PLANCK geometrical and radiative modelling is depicted in Figure 4-1, Figure 4-2 and Figure 4-3.

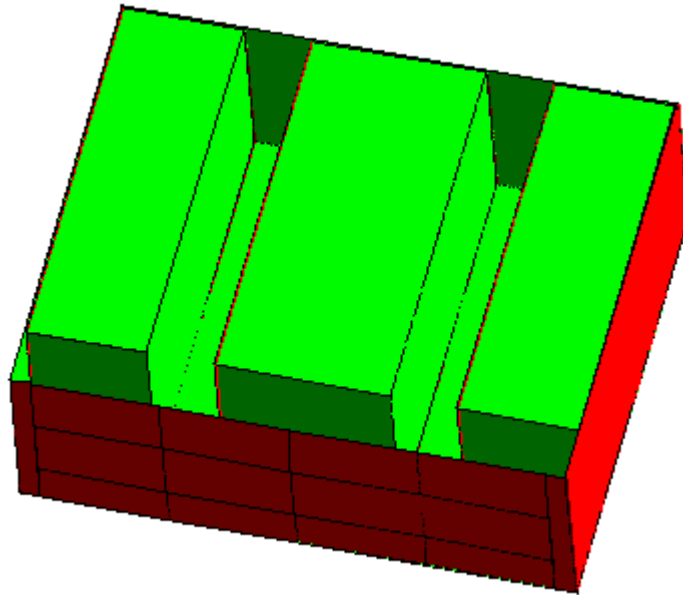


Figure 4-1: PLANCK BEU enclosure view

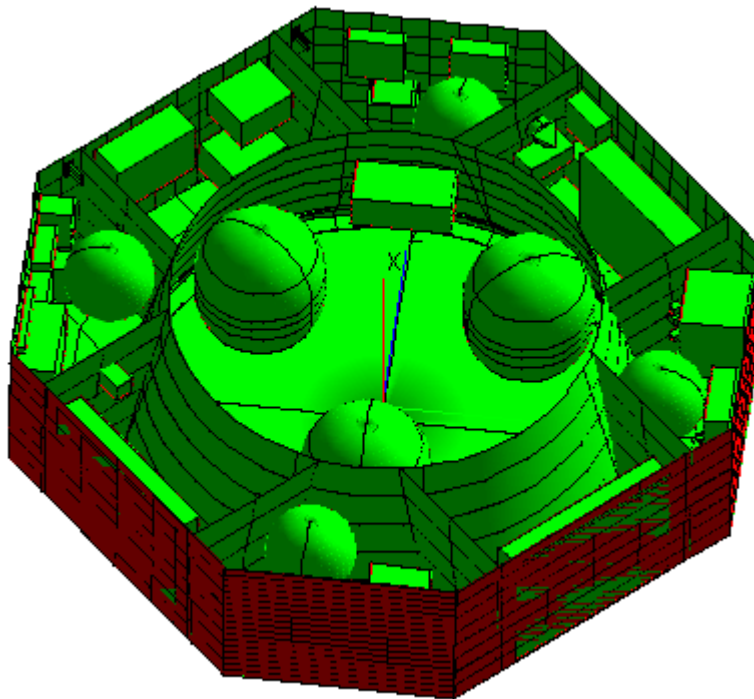


Figure 4-2: PLANCK SVM internal enclosure view

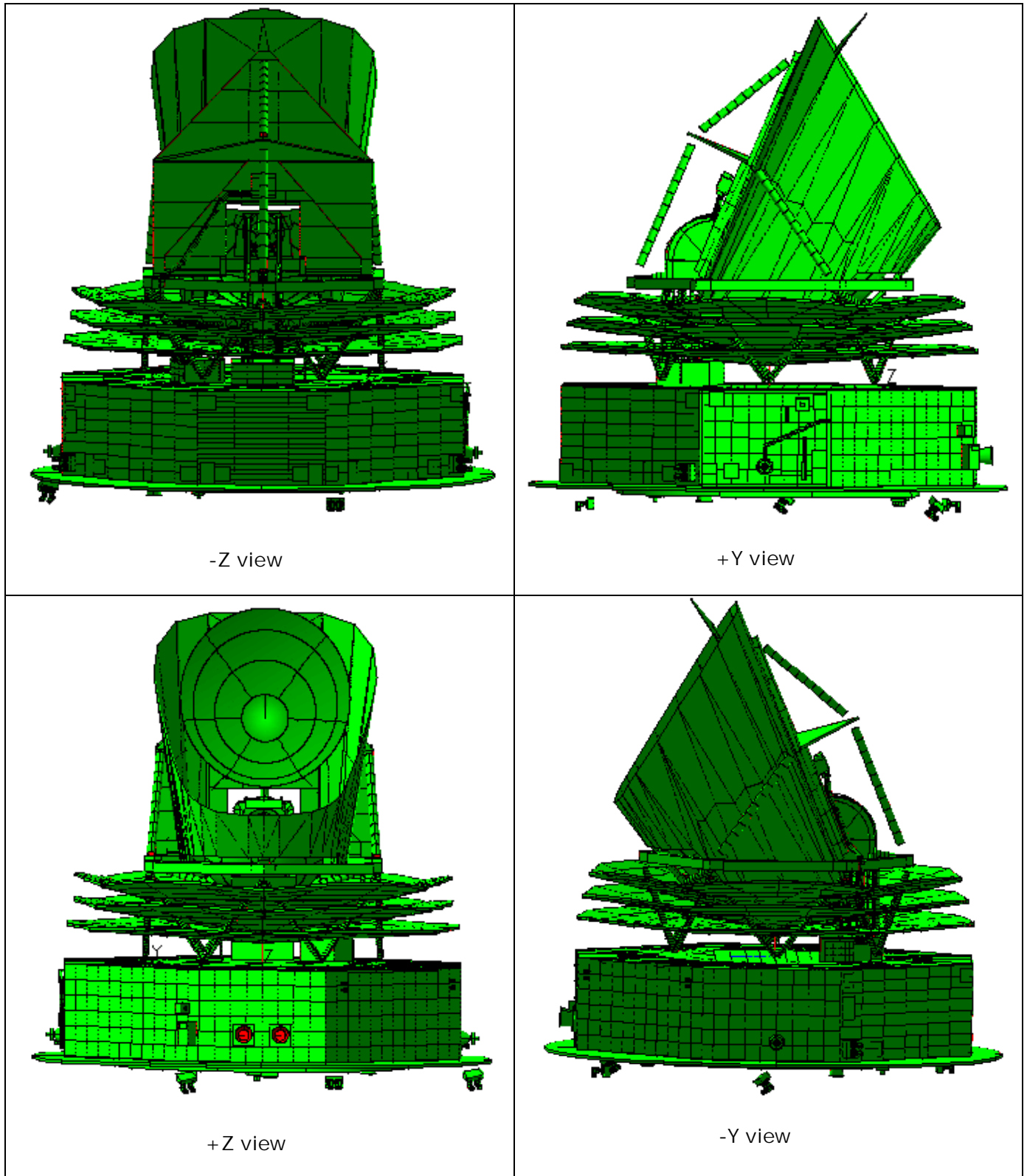


Figure 4-3: PLANCK Spacecraft external enclosure views

4.1.1.2 PLANCK Thermal and Mathematical Modelling

The PLANCK Thermal and Mathematical model contains:

- The thermal nodes description,
- The thermal conductivity network,
- The radiative exchange factors,
- The thermal capacitances,
- The unit & instrument dissipations,
- The active thermal control,
- The external fluxes.

The overall PLANCK TMM is composed of 4698 thermal nodes, spread as follows:

- P-SVM = 2414 nodes, in the range [13 – 10026],
- P-PLM = 2281 nodes, in the range [13 001 – 95 830],
- Inactive nodes = 2 nodes, [99 997 – 99 998],
- Space = 1 node [99 999].

The P-SVM and P-PLM TMM are conductively connected at the level of:

- Ø the six P-PLM struts interface points,
- Ø the two bracings interface points,
- Ø the LFI wave guides,
- Ø the HFI bellow,
- Ø the harnesses (heaters, sorption),
- Ø the pipes (dilution, sorption).

Remark: The harnesses and pipes P-SVM interfaces are modelled by means of a boundary node fixed at 300 K.

4.1.2 Hypotheses for computation

4.1.2.1 Launch phase

The launch phase regroups :

- The ground phase,
- The launch till the launcher separation.

The thermal analyses with regards to the launch phase have been carried out by AE, except for the launch transient cases. These analyses have been performed on the PLANCK overall RTMM, adapted with the launch requirements as described in the [RD-13]. Until separation, PLANCK is protected from solar and aerothermal fluxes by the SYLDA. The PLANCK clocking (angle between X Y planes of PLANCK wrt SYLDA) on the SYLDA has been determined in order to prevent the P-PLM critical elements from the sun illumination through the SYLDA's holes during launch phase.

4.1.2.1.1 Launch transient cases

The solar array may not completely shadow the P-PLM for a short time after the SYLDA separation.

Thermal analyses have been performed in order to validate that, if some sun illumination occurs just after the SYLDA separation, it will have no impact on the P-PLM thermal behaviour. A sun aspect angle of 17° from $-X$ axis has been taken into account.

The analyses have been done with the PLANCK overall TMM in transient case. The following assumptions have been taken into account:

- Spacecraft initial temperature: 300 K,
- No dissipation,
- EOL thermo-optical properties, Sun temperature 5792 K, Solar constant 1425 W/m^2 ,
- Spin rate $5.4^\circ/\text{s}$ (0.9 RPM),
- Duration: 6 loops (400 s).

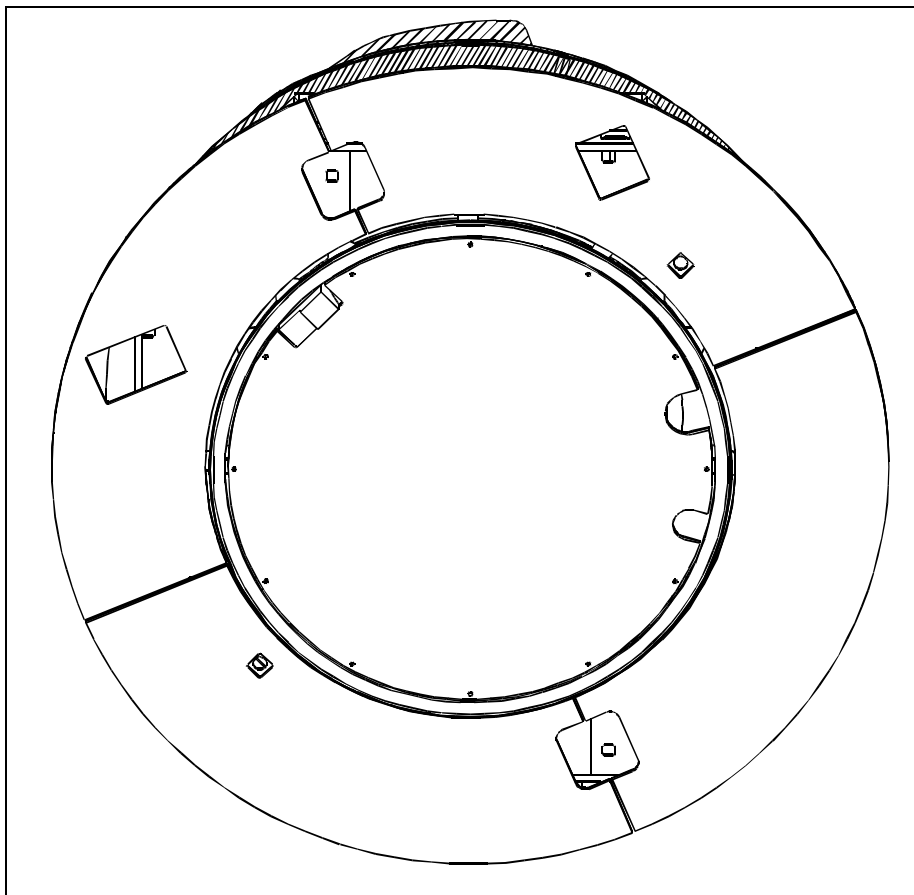


Figure 4-4: PLANCK sun illumination at 17° from $-X$ axis

Analyses results are discussed in §4.2.2.

Remark: For simplification reasons, the EOL thermal optical properties have been considered for this analysis. The BOL ones should be more appropriate and realistic. Nevertheless, this assumption has been kept as conservative approach.

4.1.2.2 Transfer orbit

The transfer orbit corresponds to the mission phase between the launcher separation till the L2 positioning.

The thermal analyses with regards to the transfer orbit phase have been carried out at module level by ALENIA for the H-SVM. The considering assumptions for these analyses are reported in [RD-11].

Since the P-PLM is protected by the P-SVM during the transfer orbit phase, there is no difference in term of P-PLM thermal environment between the transfer phase and the orbital phase.

4.1.2.3 Orbital phase

Two thermal cases have been performed, hot and safe cases. These two cases present extreme hot and cold temperatures on Spacecraft.

The spacecraft units dissipations on P-SVM are the ones used by ALENIA and described in [RD-6]. The Instruments and coolers precooling heat loads on P-PLM are, in line with P-PLM CDR, the max allocated ones as described in [RD-7].

		POWER DISSIPATION	
		Hot case	Safe case
P-SVM		Nominal EOL	Safe mode
P-PLM		Instruments ON	Instruments OFF

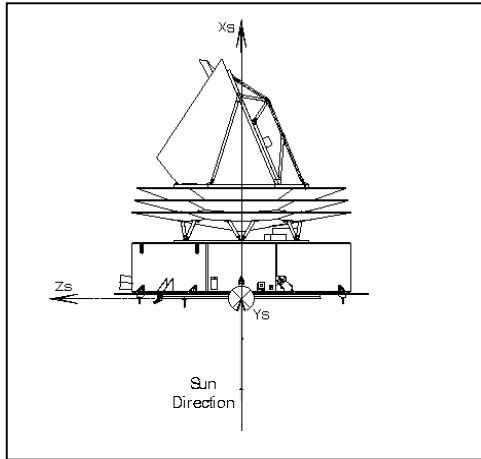
Table 4.1.2-1: PLANCK units dissipation

All the equipments within the P-SVM are maintained at constant dissipation, except the SCC units for the transient cases for which the SCC reduced model power are applied.

The thermal cases defined to perform the thermal analyses are reported hereafter:

Case	Sun aspect angle from -X axis	Solar constant	Sun temperature	Thermo-optical properties	Power dissipation
Hot case	0°	1405 W/m ²	5792 K	EOL	Hot case
Safe case	10°	1285 W/m ²	5772 K	BOL	Safe case

Hot case



Safe case

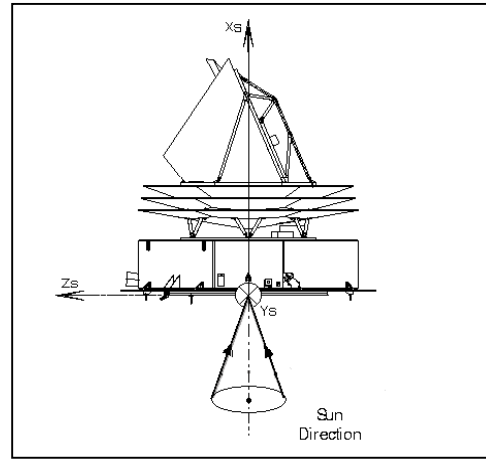


Table 4-1: PLANCK sizing case

4.2 Thermal analyses results

4.2.1 Launch phase

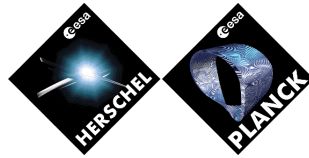
The computations, made by AE in the frame of the RAMP, are still in progress. The results are foreseen for the 23/07/2004. They will be discussed during the system CDR collocation.

4.2.1.1 Launch transient cases

The main issue is potential hot spots due to sun illumination.

The results (T at 400s after SYLDA separation, Tmin over 400s and Tmax over 400s) for external thermal nodes exceeding 300 K are presented in appendix 2. All the remaining nodes are decreasing below their initial temperatures. The table 4-2 below reports the nodes which exceed 300 K over 400s for the P-PLM only:

NODE	LABEL	T(K) at 400s after separation	Tmin (K) over 400s	Tmax (K) over 400s
50116	SShield 1 inf ext fac	294,48	294,43	300,04
50616	SShield 1 inf ext fac	294,35	294,35	300,05
50626	SShield 1 inf ext fac	294,76	294,76	300,10
50636	SShield 1 inf ext fac	294,44	294,40	300,05
52100	SShield 1 b facet 1	299,08	265,28	302,45
52101	SShield 1 b facet 1	296,45	265,40	302,15
52102	SShield 1 b facet 1	269,83	265,32	302,55
52201	SShield 1 b facet 2	265,38	265,24	302,39
52202	SShield 1 b facet 2	265,14	265,14	300,09
52300	SShield 1 b facet 3	264,95	264,95	302,75
52301	SShield 1 b facet 3	265,04	265,04	302,36
52302	SShield 1 b facet 3	264,97	264,97	302,70



52400	SHield 1 b facet 4	264,99	264,99	302,40
52401	SHield 1 b facet 4	264,98	264,98	302,35
52402	SHield 1 b facet 4	264,96	264,96	302,49
52501	SHield 1 b facet 5	265,00	265,00	303,26
52502	SHield 1 b facet 5	265,17	265,17	300,48
52600	SHield 1 b facet 6	267,58	265,23	303,25
52601	SHield 1 b facet 6	294,64	265,27	302,44
52602	SHield 1 b facet 6	298,11	265,21	302,44
62100	SHield 2 b facet 1	297,08	268,12	301,99
62102	SHield 2 b facet 1	269,97	268,11	305,11
62201	SHield 2 b facet 2	268,49	268,49	306,09
62300	SHield 2 b facet 3	267,80	267,80	305,37
62302	SHield 2 b facet 3	267,74	267,74	302,29
62400	SHield 2 b facet 4	267,77	267,77	302,37
62402	SHield 2 b facet 4	267,76	267,76	304,74
62501	SHield 2 b facet 5	268,44	268,44	307,25
62600	SHield 2 b facet 6	267,83	267,83	305,74
62602	SHield 2 b facet 6	297,01	267,98	301,95
72100	SHield 3 b facet 1	282,42	262,10	304,33
72102	SHield 3 b facet 1	261,88	261,25	303,75
72300	SHield 3 b facet 3	256,48	256,48	307,26
72302	SHield 3 b facet 3	257,91	257,91	304,70
72400	SHield 3 b facet 4	254,47	254,47	306,61
72402	SHield 3 b facet 4	259,06	259,06	306,43
72600	SHield 3 b facet 6	257,02	257,02	309,44
72602	SHield 3 b facet 6	279,74	260,04	304,29

Table 4-2: PLANCK P-PLM sun illumination at 17° temperature results

Note that the used Instruments TMM are the ones delivered by Instruments as described in [RD-7]. The radiative meshing of these models is accurate enough to take into account multi-reflection effects between the P-PLM shields.

As shown in the temperatures listed in appendix 2, only a few P-PLM structure nodes are concerned by temperature increase above initial temperature 300K due to sun illumination. These nodes though keep well within their qualification temperatures (358K, see [RD-7]). A sun illumination at 17° may then be envisaged for the spacecraft if needed, according to the launcher performances.

4.2.2 Transfer orbit

The transfer orbit analyses have not been re run at system level. The thermal analyses performed by ALENIA for the P-SVM are available in [RD-11].

4.2.3 Orbital phase

The thermal node temperatures complete listing is reported in appendix 3 for the different thermal cases.

4.2.3.1 Performances validation at instrument's interfaces

4.2.3.1.1 "Cold" interfaces

The thermal control performance, in term of P-PLM / "cold" instruments interfaces, is presented in next table for hot case :

P-PLM worst hot interfaces temperatures		Guaranteed temperatures (K) (*) hot case CDR P-PLM [RD-7]	Guaranteed temperatures (K) (*) hot case System	Max T(K)
LFI WG	I/F with VG1	157.6 – 158.8	144.3 – 147.8	170
	I/F with VG2	91.1 – 93.1	87.3 – 89.8	120
	I/F with VG3	56.1 – 57.0	55.5 – 56.4	60
Sorption Cooler	I/F with VG1	148.3	138.6	170
	I/F with VG2	94.2	91.0	120
	I/F with VG3 (3C)	54.2	53.8	60
JFET box		56	55.8	60
FPU		[47.4 – 52.1]	[47.3 – 51.9]	65
Primary Reflector		[47.1 – 48.7]	[47.0 – 48.6]	50
Secondary Reflector		[47.6 – 47.8]	[47.5 – 47.7]	50

(*): Guaranteed temperature = computed temperature + mathematical uncertainties (2K)

Table 4-3: PLANCK PLM thermal performance / Hot case

The comparison between results from P-PLM CDR and System CDR show a slight decrease of temperature (0.4K at Sorption Cooler 3C interface). This difference, comforting P-PLM passive performance, is explained by assumptions about BEU&PAU radiated flux toward P-PLM, different between P-PLM and System CDR. It should though be noted that PAU & BEU TMM are still subject to evolutions.

4.2.3.1.2 "Hot" interfaces

All the performances and non-compliances related to P-SVM thermal control and the associated envisaged recovery actions are listed in [AD-6].

4.2.3.2 Thermal interfaces validation

4.2.3.2.1 Modules Interface temperatures assessment

The results reported in the table hereafter are obtained with the global PLANCK TMM. Computations have been performed in hot and safe case conditions:

The results computed with the PLANCK overall TMM are reported without temperatures margin.

4.2.3.2.2 Temperature level requirements assessment

The next table allows a comparison between the computed temperature levels in hot case to the required data as reported in the SVM interface specification [AD-4].

Elements	MLI on Sub-platform	MLI on Upper Closure panel	SVM Interface struts	MLI on Solar Array back side	MLI on warm units
Requirement	< 220 K	< 220 K	< 310 K	< 300 K	< 235 K
Ref. Requirement in [AD-4]	ITP-150-P	ITP-150-P	ITP-210-P	ITP-200-P	ITP-180-P
Assumptions for PLM CDR analysis	[193.4 K – 203.6 K]	[186.1 K – 196.9 K]	[301.4 K – 304.4 K]	[280.5 K – 285.2 K]	221 K for BEU 209.1 K for PAU
SVM TCS CDR Temperature (K)	[203.8 K – 236.6 K]	[201.1 K – 209.8 K]	[293.5 K – 295.5 K]	[284.0 K-286.5 K]	215.5 K for BEU 226.3 K for PAU
SVM TCS CDR temperature (K) + uncertainties (*)	[226.7 K – 246.9 K]	[226.0 K – 232.6 K]	[301.4 K – 304.4 K]	[311.7 K-313.4 K]	226.3 K for BEU 249.6 K for PAU
Overall computed Temperature (K)	[202.8 K – 238.4 K]	[200.9 K – 209.7 K]	[285.4 K – 290.5 K]	[284.2 K-285.9 K]	213.2 K for BEU 225.8 K for PAU

Table 4-4: PLANCK SVM/PLM I/F temperatures

(*): The complete detailed P-SVM temperatures and uncertainties are provided in [RD-9] and [RD-10].

The sub-platform MLI temperatures are not all within the requirements (non-compliances are located around the units mounted on the sub-platform). These non-compliances, along with discrepancies between P-PLM and System SVM MLI temperatures, are not considered as critical since exchanged fluxes used for P-PLM CDR are conservative (see table 4-4) wrt to system computations.

Radiative fluxes emitted by	PLANCK overall system TMM results	P-PLM CDR assumptions
BEU MLI	0.29 W	0.47 W
PAU MLI	0.34 W	0.41 W
Sub-platform MLI	2.07 W	3.16 W
Upper closure panel MLI	2.72 W	3.37 W
Solar array rear side MLI	0.13 W	0.26 W
P-SVM external units (appendix, thrusters)	0.11 W	0.02 W
P-SVM walls (MLI + radiators)	0.13 W	0.51 W
TOTAL	5.80 W	8.21 W

Table 4-5: PLANCK I/F radiative heat loads

The P-PLM CDR flux (8.2 W) is higher than the one computed for System CDR (5.8 W) though SVM MLI temperatures are lower. This is explained by the fact that, for conservative reasons, P-PLM performance was demonstrated using degraded SVM MLI outer layer thermo-optical properties (in particular an emissivity equal to 0.1 instead of 0.05 as specified).

Besides, in order to check P-PLM performance sensitivity to SVM MLI quality, a computation has been performed with degraded MLI efficiency. The result is presented in paragraph 4.2.3.3.

4.2.3.2.3 Heat Fluxes requirements assessment

Due to the specific thermal control of the BEU and PAU unit, the heat flux from their radiative area must be limited no to degrade the P-PLM performances. The specified data of 2.3 W is the one used as input for the P-PLM thermal budget.

The radiative loads from both radiative areas of the warm units to the first PLM "V-groove" shield are:

Radiative fluxes emitted by	PLANCK overall system TMM results	P-PLM CDR assumptions
BEU radiator	1.565 W	2.41 W
PAU radiator	0.685 W	1.38 W
TOTAL	2.25 W	3.79 W

Table 4-6: PLANCK warm units radiative heat loads

The total flux is slightly lower than the specified value (2.25 W wrt 2.3 W), and lower than the PLM heat budget (3.79 W). The PAU thermal design is not frozen at CDR time and needs to be optimised. The trimming between the radiative area and MLI size of the unit impacts the P-PLM temperature level. A compromise shall be obtained between the warm units (BEU and PAU) temperature and the P-PLM thermal performances.

4.2.3.2.4 SVM thermal environment assessment

This paragraph is dedicated to the verification of the P-SVM thermal environment specifications, i.e. validation of the input parameters to be used by ALENIA to carry out the P-SVM thermal analyses.

Remark : the reported heat fluxes are related to SVM/PLM interface only, and are not fluxes onto the P-PLM elements.

Elements	Interface SVM/PLM struts conductive flux	LFI wave-guides conductive flux	warm "V-groove"
specification	5 W	15 W	[AD -12]
Ref. specification in [AD-4]	ITP-080-P	ITI-010-P	ITP-070-P
P-PLM budget for CDR analysis	8.85 W	11.26 W	
results	Hot case	8.234 W	[114.2 K – 157.9 K]
	Safe case	4.810 W	[105.7 K – 140.1 K]

Table 4-7: PLANCK I/F conductive heat loads

The results are slightly above the requirements. However, as for Herschel, these specifications have been edited in order to define the thermal environment for SVM thermal analyses. The heat exchange between the P-SVM and the P-PLM is lower than the total I/F SVM thermal budget.

The I/F conductive fluxes are lower than the ones which have been taken into account for the P-PLM CDR thermal analyses.

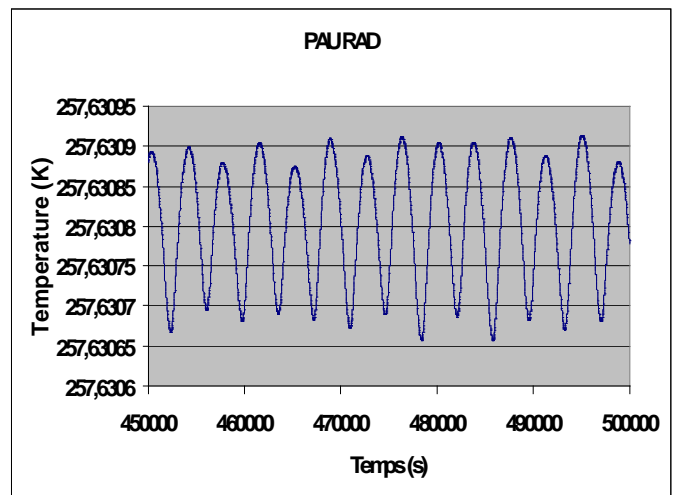
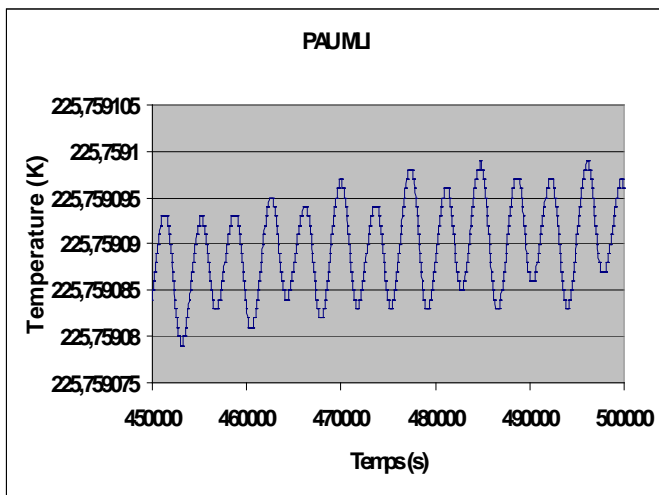
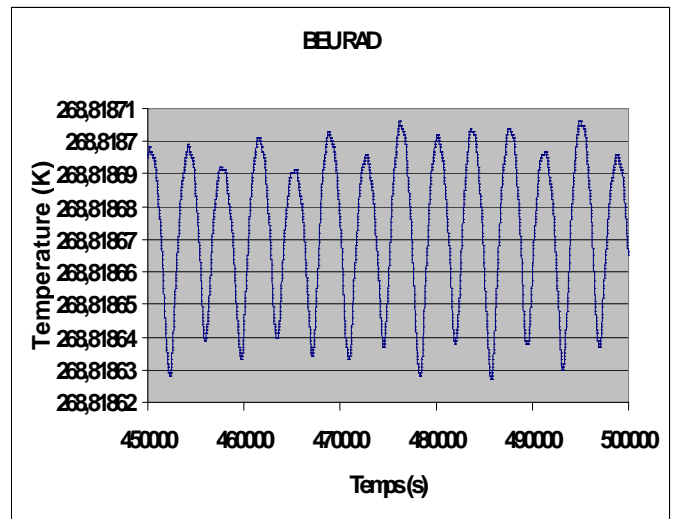
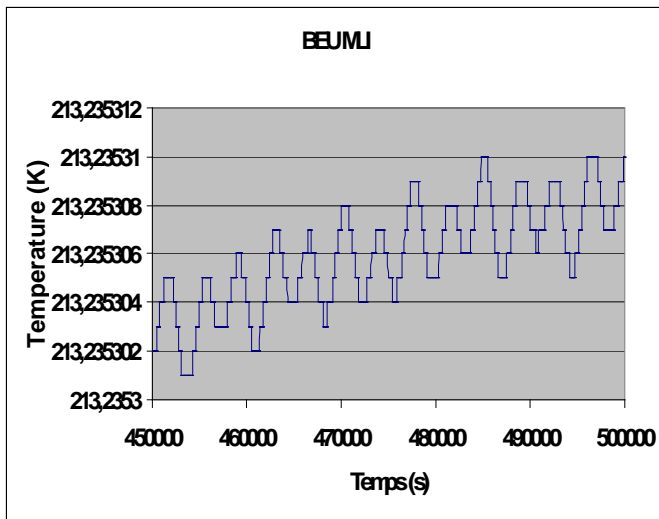
For information, the conductive fluxes through the bracing, the HFI bellow, the harnesses and pipes are reported in the following table:

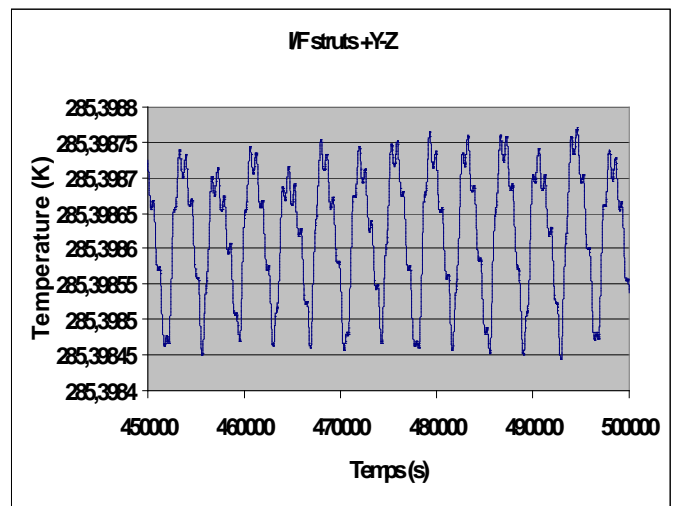
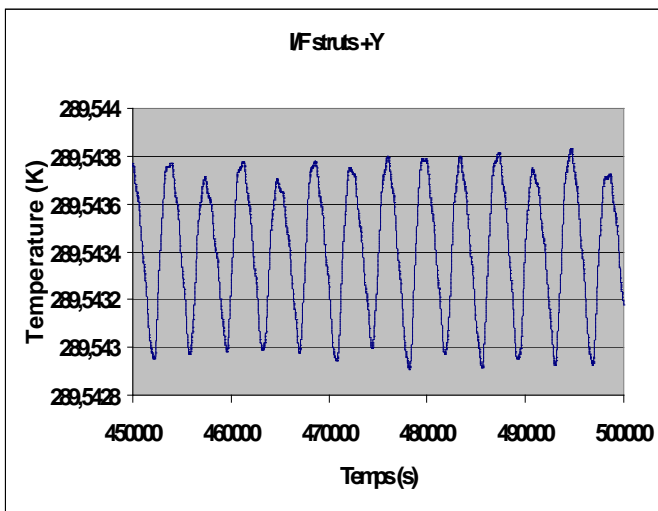
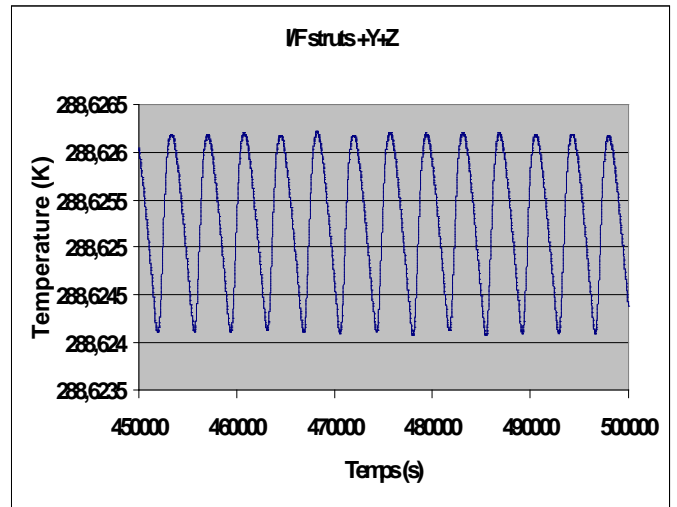
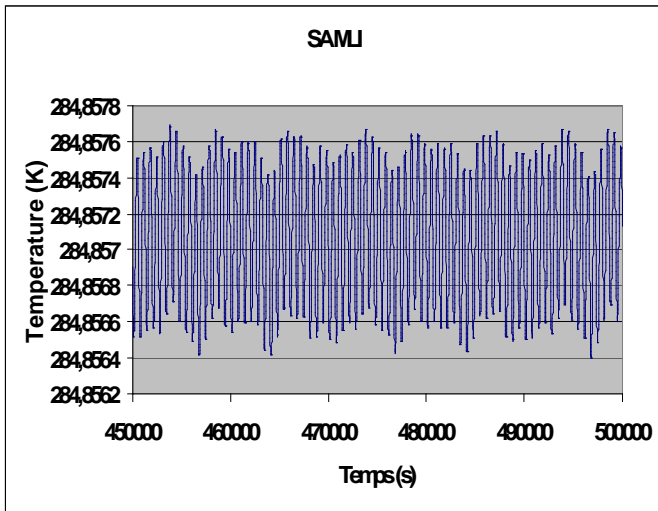
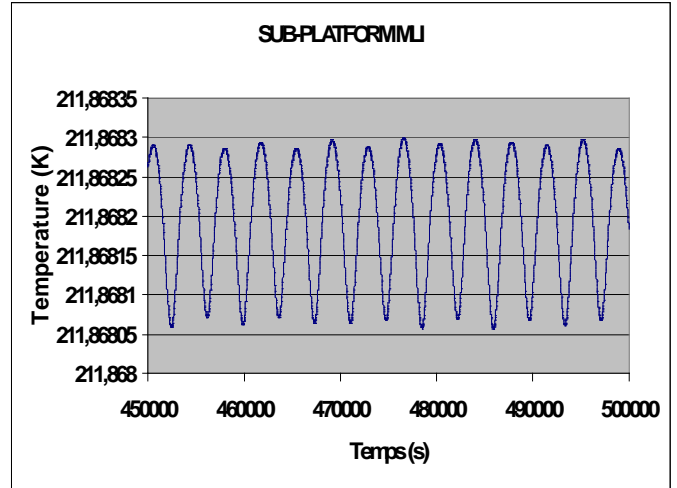
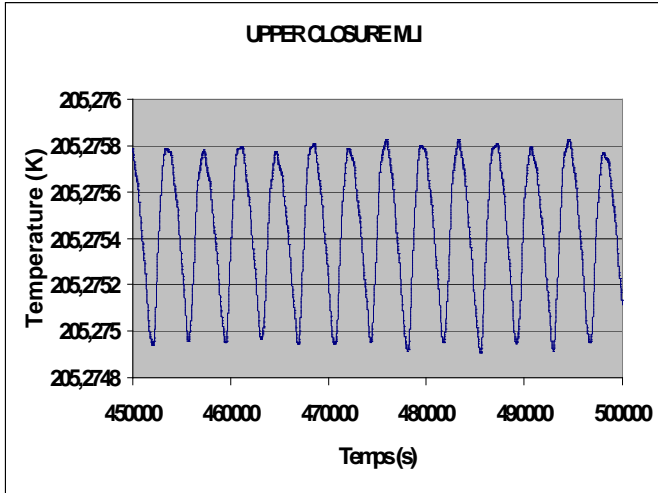
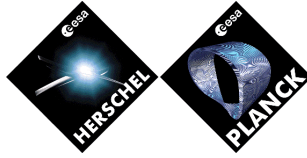
Elements		Interface bracing conductive flux	HFI bellow conductive flux	Harnesses and pipes conductive flux
results	Hot case	0.321 W	0.645 W	0.540 W
	Safe case	0.161 W	0.473 W	0.559 W

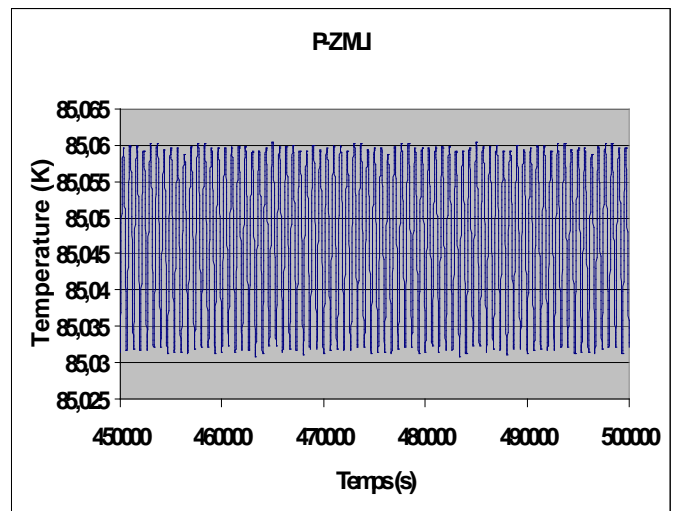
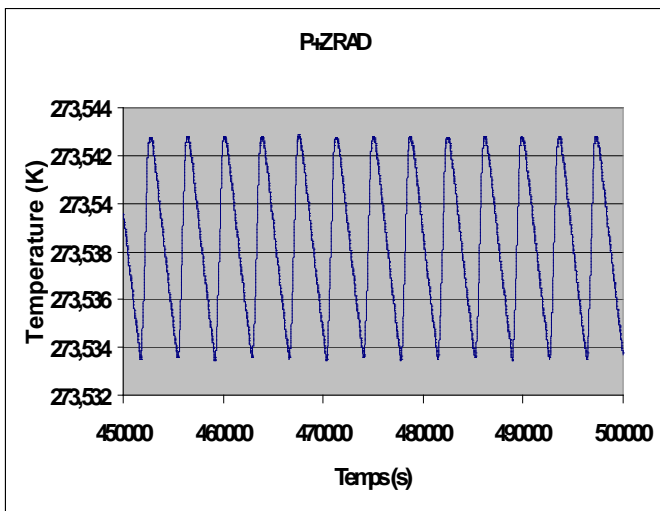
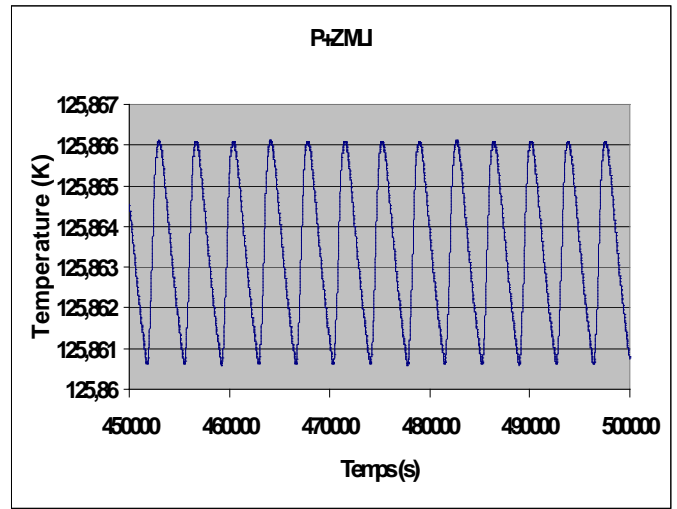
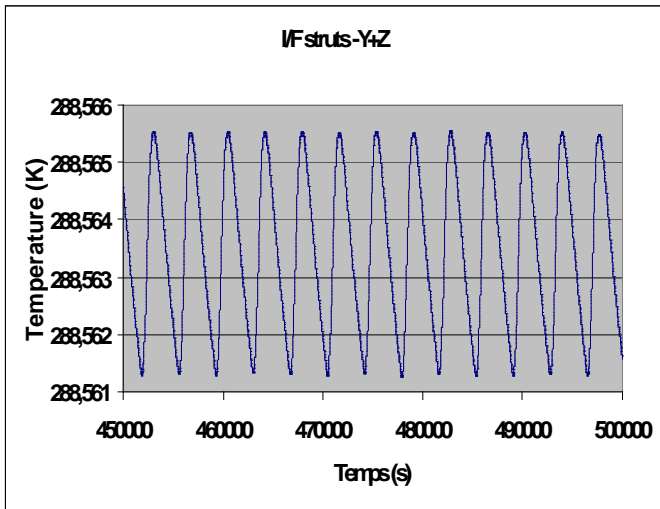
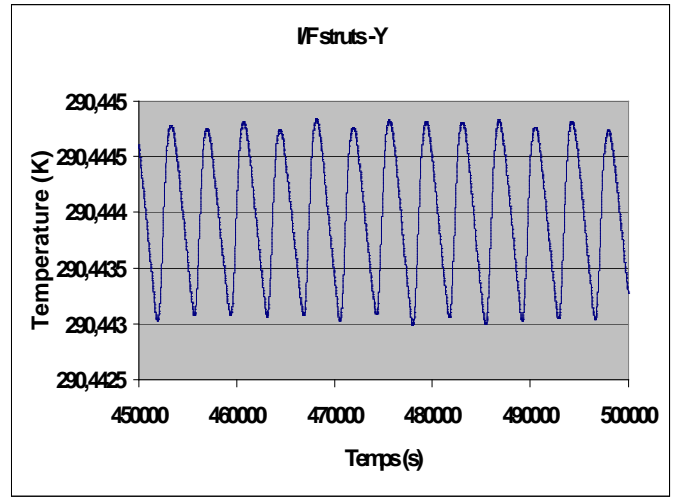
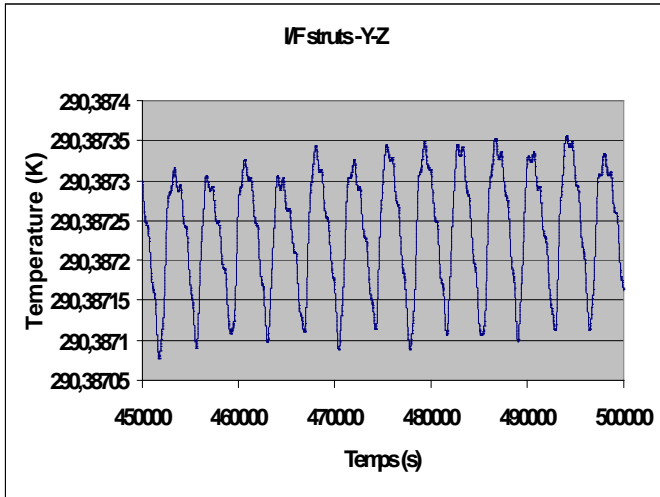
4.2.3.3 Spacecraft temperature fluctuations assessment

The aim of this section is to validate that the temperature fluctuation assumptions taken into account for the P-PLM CDR are conservative with regards to the ones obtained with the overall spacecraft model.

These temperature fluctuations are computed in hot case, with the Planck overall TMM:







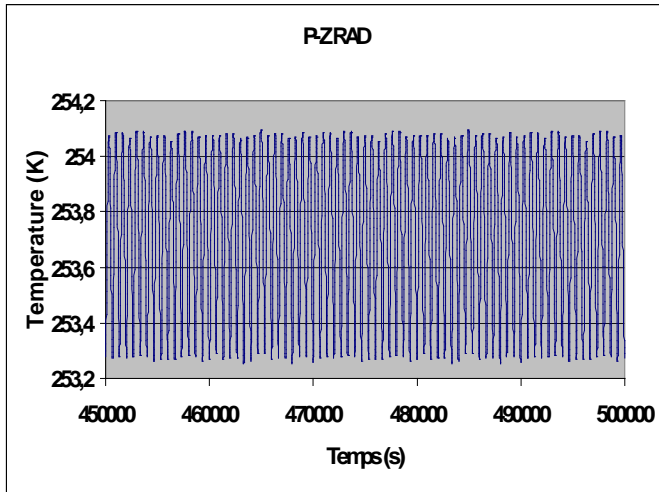


Figure 4-5: PLANCK SVM / PLM I/F Temperature fluctuations

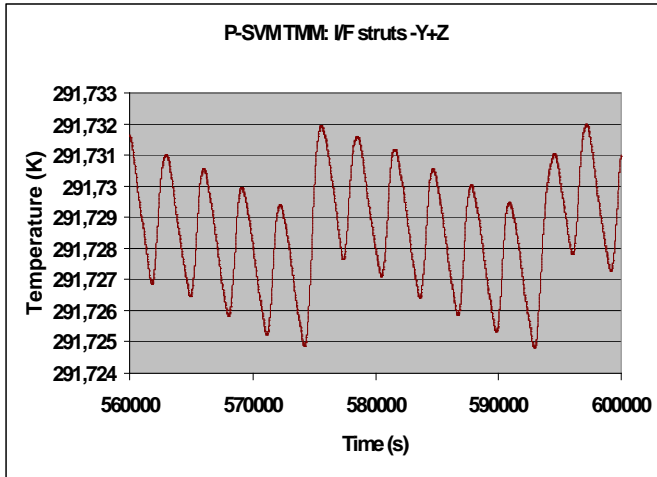
For each elements, the maximum value Pic To Valley (PTV) is reported in the following table and compared to the assumptions taken into account for the P-PLM CDR thermal analysis [RD-7]:

Elements	PLANCK overall system TMM results	P-PLM CDR assumptions
BEU radiator	PTV • 0.07 mK	PTV • 3 mK
PAU radiator	PTV • 0.3 mK	PTV • 15 mK
BEU MLI	PTV • 0.003 mK	PTV • 0.05 mK
PAU MLI	PTV • 0.015 mK	PTV • 0.05 mK
Sub-platform MLI	PTV • 0.25 mK	PTV • 0.05 mK
Upper closure MLI	PTV • 0.8 mK	PTV • 0.05 mK
Solar Array rear side MLI	PTV • 1 mK	PTV • 0.05 mK
I/F struts	PTV • 4 mK (max value)	PTV • 40 mK

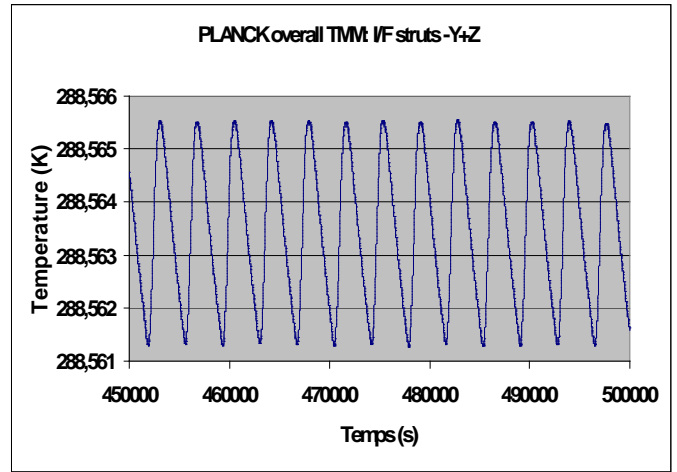
Table 4-8: PLANCK temperature fluctuation results

The temperature fluctuation amplitudes are globally lower than the ones which have been taken into account for the P-PLM CDR thermal analysis. A few exceptions can though be noticed (SVM MLI outer layers) with no impact on P-PLM stability; the P-SVM stability was shown in [RD-7] to be a minor contributor to P-PLM stability.

The temperature fluctuation level at the SVM/PLM interfaces is computed by ALENIA with a P-SVM TMM which does not include the P-PLM, in term of thermal inertia. The aim of this section is to evaluate the damping factor brought by the P-PLM to the P-SVM oscillations. For this purpose, we have compared results obtained with the P-SVM TMM alone on one side, and with the spacecraft overall TMM on the other side. The results are reported hereunder for the I/F struts -Y+Z where the maximum temperature fluctuations occur.



PTV = 7 mK



PTV = 4 mK

Figure 4-6: PLANCK temperature fluctuation comparison

These temperature fluctuations allow also to evaluate the damping factor brought by the P-PLM to the P-SVM oscillations. The fluctuation amplitude is divided by a factor 2 on average.

These temperature fluctuations have been provided to the PLANCK RF team as inputs to validate also the assumptions, in term of spacecraft emission, which have been taken into account for the P-PLM CDR. Temperature stability requirements for straylight purpose are indeed expressed now in Amplitude Spectral Density (ASD) (K/Hz^{0.5}).

The obtained ASD, computed according to the algorithm used by ALENIA and described in [RD-6], are reported in the following table:

Elements	PLANCK overall system TMM results ASD (K/Hz ^{0.5}) at 1/60 Hz	P-PLM CDR assumptions ASD (K/Hz ^{0.5}) at 1/60 Hz
Upper closure MLI	2 E-08	3.68 E-04
P-SVM Lateral panels - MLI area (worst value)	9.4 E-06	4.62 E-06
P-SVM Lateral panels - Radiator area (worst value)	2.4 E-04	1.28 E-01
Solar Array rear side MLI	3.6 E -07	7.97 E-06

Table 4-5: PLANCK amplitude spectral density results

The amplitude spectral density is globally lower with regards to the ones which have been taken into account for the P-PLM CDR RF analysis. Except for the P-SVM lateral panels MLI areas where the results are slightly higher than the P-PLM CDR RF assumptions, but it's not considered as a critical issue as the impact of the self spacecraft emission for elements outside the optical cavity is order of magnitudes lower than the ones inside the optical cavity [RD-17].

4.2.3.4 Sensitivity study (SVM MLI efficiency : answer to AI SCI-PT/014628/17)

In order to validate the PLANCK overall thermal performance, a sensitivity analysis degrading the P-SVM external MLI efficiency ("in view" of the P-PLM) has been performed in hot case. The MLI efficiency has been multiplied by 2 for the:

- Sub-platform MLI,
- Upper closure MLI,
- Warm units (BEU & PAU) MLI,
- Solar array rear side MLI.

The MLI range temperatures and fluxes onto the first "V-groove" shield are reported in the following table, and the complete temperature results are provided in appendix 3.

Elements	Nominal ALENIA MLI efficiency		ALENIA MLI efficiency (x2)		P-PLM CDR assumptions
	MLI temperature	Radiative fluxes onto VG1	MLI temperature	Radiative fluxes onto VG1	
MLI on sub-platform	[202.7 K – 238.4 K]	2.070 W	[220.6 K – 249.5 K]	3.088 W	3.156 W
MLI on upper closure panel	[200.8 K – 209.7 K]	2.718 W	[224.5 K – 230.5 K]	4.312 W	3.375 W
MLI on warm units	213.2 K for BEU 225.7 K for PAU	0.292 W for BEU 0.337 W for PAU	227.8 K for BEU 247.1 K for PAU	0.390 W for BEU 0.501 W for PAU	0.475 W for BEU 0.413 W for PAU
MLI on solar array rear side	[284.2 K – 285.9 K]	0.133 W	[314.1 K – 315.2 K]	0.200 W	0.262 W
TOTAL		5.5 W		8.49 W	7.67 W
T(K) I/F with VG3	53.8		54.1		54.2

Table 4.2.3-2: PLANCK I/F MLI temperatures and fluxes

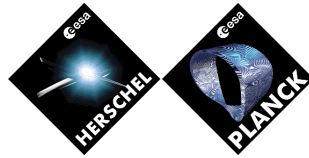
The sensitivity on the P-SVM MLI efficiency degradation by a factor 2 leads to an increase of 3W on the "V-groove 1" corresponding to +0.3K at the most critical level of the P-PLM (coldest Sorption Cooler Pipes interface on "V-groove 3").

This increase is low compared to the margin demonstrated at P-PLM CDR. (53.8K + 0.3K = 54.1K wrt 60K)



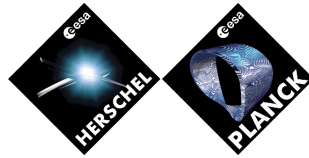
APPENDIX 1: HERSCHEL ORBITAL PHASE TEMPERATURE RESULTS

NODE	LABEL	Case 1: T(K)	Case 2: T(K)	Case 3: T(K)	Case 4: T(K)	Case 5: T(K)	Case 6: T(K)
H-PLM thermal nodes							
10	MAIN TANK He II	1,65	1,65	1,65	1,65	1,65	1,61
20	AUXILIARY TANK He I	19,68	19,64	19,58	19,54	19,05	19,13
111	MLI ON MAIN TANK LOW	4,88	4,86	4,83	4,80	4,55	4,55
112	MLI ON MAIN TANK CYL	4,78	4,76	4,73	4,71	4,47	4,44
113	MLI ON MAIN TANK UPP	3,78	3,77	3,75	3,74	3,59	3,45
121	MLI ON AUX TANK LOW	23,94	23,87	23,79	23,73	23,00	23,11
122	MLI ON AUX TANK UPP	23,17	23,11	23,03	22,97	22,29	22,39
201	SF strut tank end lo	1,66	1,66	1,66	1,66	1,66	1,62
211	SF belt pZ lo	18,87	18,84	18,78	18,74	18,28	18,36
212	SF belt mY lo	18,90	18,86	18,81	18,76	18,30	18,39
213	SF belt mZ lo	18,88	18,84	18,79	18,75	18,29	18,37
214	SF belt pY lo	18,87	18,83	18,78	18,73	18,28	18,36
221	SF Ti-head pZmY lo	18,88	18,84	18,79	18,75	18,29	18,37
222	SF Ti-head mZmY lo	18,90	18,86	18,81	18,77	18,31	18,39
223	SF Ti-head mZpY lo	18,88	18,84	18,79	18,74	18,28	18,37
224	SF Ti-head pZpY lo	18,87	18,83	18,78	18,74	18,28	18,36
231	SF strut tank end up	1,66	1,66	1,66	1,66	1,66	1,61
241	SF belt pZ up	14,75	14,75	14,73	14,74	14,71	9,72
242	SF belt mY up	14,84	14,84	14,82	14,82	14,79	9,77
243	SF belt mZ up	14,89	14,89	14,88	14,88	14,84	9,79
244	SF belt pY up	14,82	14,83	14,81	14,81	14,78	9,75
251	SF Ti-head pZmY up	14,74	14,74	14,72	14,73	14,70	9,72
252	SF Ti-head mZmY up	14,87	14,87	14,85	14,86	14,82	9,78
253	SF Ti-head mZpY up	14,90	14,90	14,89	14,89	14,85	9,80
254	SF Ti-head pZpY up	14,81	14,81	14,80	14,80	14,77	9,74
271	Susp, Straps pZmY low	29,57	29,52	29,45	29,39	28,77	28,89
272	Susp, Straps pZmY low	29,66	29,60	29,54	29,48	28,85	28,98
273	Susp, Straps mZmY low	29,70	29,64	29,57	29,52	28,88	29,02
274	Susp, Straps mZmY low	29,72	29,67	29,60	29,54	28,91	29,05
275	Susp, Straps mZpY low	29,67	29,62	29,55	29,49	28,86	29,00
276	Susp, Straps mZpY low	29,57	29,52	29,45	29,39	28,77	28,90
277	Susp, Straps pZpY low	29,47	29,41	29,34	29,29	28,67	28,79
278	Susp, Straps pZpY low	29,46	29,41	29,34	29,28	28,66	28,79
281	Susp, Straps pZmY upp	27,41	27,37	27,31	27,27	26,78	26,08
282	Susp, Straps pZmY upp	27,72	27,68	27,62	27,57	27,07	26,39
283	Susp, Straps mZmY upp	27,73	27,69	27,63	27,59	27,08	26,40
284	Susp, Straps mZmY upp	27,59	27,55	27,50	27,45	26,96	26,26
285	Susp, Straps mZpY upp	27,61	27,57	27,52	27,47	26,98	26,27
286	Susp, Straps mZpY upp	27,43	27,39	27,34	27,29	26,81	26,09
287	Susp, Straps pZpY upp	26,95	26,91	26,86	26,81	26,36	25,59
288	Susp, Straps pZpY upp	26,89	26,85	26,80	26,76	26,30	25,53



310	Instr, Shield Cyl,	14,83	14,84	14,82	14,82	14,81	9,48
311	Instr, Shield Top	14,87	14,87	14,86	14,86	14,83	9,53
315	Instr, Shield Baffle	14,87	14,88	14,86	14,86	14,84	9,54
371	Opt, Bench +Z	14,63	14,64	14,62	14,63	14,62	9,29
372	Opt, Bench +Z -Y	14,27	14,28	14,27	14,27	14,28	9,18
373	Opt, Bench +Z mid	14,67	14,67	14,66	14,66	14,65	9,31
374	Opt, Bench +Z +Y	14,74	14,74	14,73	14,74	14,73	9,35
375	Opt, Bench -Y	14,77	14,77	14,76	14,76	14,75	9,34
376	Opt, Bench centre	14,81	14,81	14,80	14,80	14,79	9,35
377	Opt, Bench +Y	14,97	14,98	14,96	14,97	14,95	9,41
378	Opt, Bench -Z -Y	14,96	14,96	14,95	14,95	14,92	9,50
379	Opt, Bench -Z mid	14,91	14,92	14,90	14,90	14,88	9,45
380	Opt, Bench -Z +Y	15,05	15,05	15,04	15,04	15,02	9,58
381	Opt, Bench -Z	14,91	14,92	14,90	14,90	14,88	9,45
440	filling tube 440	66,49	66,30	66,09	65,89	63,88	64,26
441	filling tube 441	65,15	64,97	64,77	64,57	62,63	62,99
442	filling tube 442	62,83	62,66	62,47	62,28	60,44	60,78
443	filling tube 443	60,63	60,47	60,29	60,11	58,36	58,68
447	empty tube 447	36,80	36,73	36,65	36,58	35,81	35,91
452	empty tube 452	34,09	34,01	33,92	33,83	32,97	33,12
510	Vline wall Tank-PACS	1,65	1,65	1,65	1,65	1,65	1,61
511	Vline wall Tank-PACS	1,65	1,65	1,65	1,65	1,65	1,61
512	Vline wall Tank-PACS	1,66	1,66	1,66	1,66	1,66	1,62
513	Vline wall Tank-PACS	1,66	1,66	1,66	1,66	1,66	1,62
514	Vline wall Tank-PACS	1,69	1,69	1,69	1,69	1,69	1,80
520	Vline wall PACS I/F 1	1,72	1,72	1,72	1,72	1,73	2,11
521	Vline wall PACS I/F 1	1,73	1,73	1,73	1,73	1,74	2,17
522	Vline wall PACS I/F 1	1,74	1,74	1,74	1,74	1,75	2,14
523	Vline wall PACS I/F1/2	1,79	1,79	1,79	1,79	1,80	2,06
524	Vline wall PACS I/F1/2	2,26	2,26	2,26	2,27	2,31	2,09
525	Vline wall PACS I/F 2	4,14	4,15	4,15	4,16	4,22	2,34
526	Vline wall PACS I/F 2	4,33	4,33	4,34	4,35	4,41	2,37
527	Vline wall PACS I/F 2	4,20	4,21	4,21	4,22	4,28	2,35
528	Vline wall PACS I/F2/3	3,80	3,81	3,82	3,83	3,92	2,31
529	Vline wall PACS I/F2/3	3,79	3,79	3,80	3,81	3,91	2,37
530	Vline wall PACS I/F 3	3,79	3,79	3,80	3,81	3,91	2,42
531	Vline wall PACS I/F 3	3,79	3,79	3,81	3,81	3,91	2,44
532	Vline wall PACS I/F 3	3,79	3,80	3,81	3,81	3,91	2,44
533	Vline wall PACS-SPIRE	3,79	3,80	3,81	3,82	3,91	2,44
534	Vline wall PACS-SPIRE	3,79	3,80	3,81	3,82	3,92	2,51
535	Vline wall PACS-SPIRE	3,80	3,81	3,82	3,83	3,93	2,77
536	Vline wall SPIRE IF12	3,81	3,82	3,83	3,84	3,94	3,19
537	Vline wall SPIRE IF12	3,82	3,82	3,83	3,84	3,94	3,28
538	Vline wall SPIRE IF12	3,82	3,83	3,84	3,85	3,94	3,25
539	Vline wall SPIRE-HIFI	3,82	3,83	3,84	3,85	3,95	3,23
543	Vline wall SPIRE-HIFI	3,87	3,88	3,89	3,90	4,00	3,47
544	Vline wall HIFI I/F	3,95	3,96	3,97	3,98	4,09	4,04
545	Vline wall HIFI I/F	3,96	3,97	3,98	3,99	4,10	4,12
546	Vline wall HIFI I/F	3,98	3,99	4,00	4,01	4,12	4,10
550	Vline wall L1-L2	4,01	4,02	4,03	4,04	4,15	4,08

551	Vline wall L1-L2	4,41	4,42	4,43	4,44	4,57	4,21
552	Vline wall L1-L2	5,27	5,29	5,30	5,32	5,47	4,58
553	Vline wall L1-L2	7,05	7,06	7,07	7,09	7,25	5,39
554	Vline wall L1-L2	10,14	10,15	10,16	10,17	10,30	6,95
560	Vline wall Lev,2 OB	13,50	13,51	13,50	13,51	13,56	8,71
561	Vline wall Lev,2 OB	14,53	14,54	14,53	14,53	14,53	9,23
562	Vline wall Lev,2 OB	14,76	14,76	14,75	14,76	14,75	9,33
563	Vline wall Lev,2 OB	15,15	15,16	15,14	15,15	15,14	9,39
570	Vline wall L2-L3	15,31	15,32	15,30	15,31	15,31	9,58
571	Vline wall L2-L3	15,64	15,65	15,64	15,64	15,66	10,00
580	Vline wall PM JFET	16,31	16,32	16,31	16,32	16,35	10,92
581	Vline wall PM JFET	16,40	16,40	16,39	16,40	16,43	11,04
582	Vline wall PM JFET	16,38	16,39	16,38	16,39	16,42	11,03
583	Vline wall PM/SM JFET	16,33	16,34	16,33	16,34	16,37	11,05
584	Vline wall SM JFET	16,32	16,32	16,31	16,32	16,36	11,25
585	Vline wall SM JFET	16,31	16,32	16,31	16,32	16,35	11,27
586	Vline wall SM JFET	16,31	16,32	16,31	16,32	16,35	11,26
590	Vline wall L3-TS1	16,30	16,30	16,29	16,30	16,33	11,24
591	Vline wall L3-TS1	16,53	16,53	16,53	16,53	16,57	11,57
592	Vline wall L3-TS1	26,32	26,30	26,27	26,26	26,05	24,90
610	Vline wall TS1-2 pymz	35,92	35,86	35,78	35,72	35,00	35,15
611	Vline wall TS2-3 pymz	45,08	44,98	44,83	44,72	43,49	44,67
612	Vline w, TS3-CVV pymz	55,89	55,74	55,57	55,41	53,74	55,02
620	Vline wall TS1-2 mypz	36,00	35,94	35,86	35,79	35,07	35,22
621	Vline wall TS2-3 mypz	45,08	44,98	44,83	44,72	43,49	44,67
622	Vline w, TS3-CVV mypz	55,89	55,74	55,57	55,41	53,74	55,02
642	MLI filling tube 642	37,59	37,51	37,42	37,34	36,50	36,60
643	MLI filling tube 643	36,87	36,80	36,72	36,64	35,83	35,92
647	MLI filling tube 647	30,98	30,93	30,87	30,81	30,23	30,24
652	MLI filling tube 652	30,65	30,60	30,53	30,47	29,86	29,86
1001	Susp bolt lo pZmY TS1	36,19	36,13	36,05	35,98	35,22	35,41
1002	Susp bolt lo pZmY TS1	36,37	36,30	36,22	36,15	35,38	35,58
1003	Susp bolt lo mZmY TS1	36,43	36,36	36,28	36,20	35,44	35,64
1004	Susp bolt lo mZmY TS1	36,49	36,42	36,34	36,27	35,50	35,70
1005	Susp bolt lo mZpY TS1	36,40	36,33	36,25	36,18	35,41	35,61
1006	Susp bolt lo mZpY TS1	36,19	36,13	36,04	35,97	35,22	35,41
1007	Susp bolt lo pZpY TS1	35,98	35,92	35,84	35,77	35,03	35,21
1008	Susp bolt lo pZpY TS1	35,97	35,91	35,83	35,76	35,02	35,20
1011	@TS 1 lower bulk 1	35,53	35,47	35,39	35,32	34,62	34,72
1012	@TS 1 lower bulk 2	35,67	35,61	35,54	35,47	34,76	34,86
1013	@TS 1 lower bulk 3	35,76	35,70	35,62	35,55	34,84	34,94
1014	@TS 1 lower bulk 4	35,79	35,73	35,65	35,58	34,87	34,97
1015	@TS 1 lower bulk 5	35,70	35,64	35,56	35,50	34,79	34,89
1016	@TS 1 lower bulk 6	35,53	35,47	35,40	35,33	34,63	34,73
1017	@TS 1 lower bulk 7	35,39	35,33	35,25	35,19	34,50	34,59
1018	@TS 1 lower bulk 8	35,38	35,32	35,25	35,18	34,49	34,58
1021	@TS 1 lower cyl 1	35,47	35,41	35,33	35,27	34,57	34,66
1022	@TS 1 lower cyl 2	35,73	35,67	35,59	35,53	34,82	34,91
1023	@TS 1 lower cyl 3	35,80	35,74	35,66	35,60	34,88	34,98
1024	@TS 1 lower cyl 4	35,80	35,74	35,66	35,59	34,88	34,98



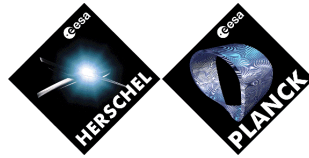
1025	@TS 1 lower cyl 5	35,74	35,68	35,60	35,53	34,82	34,92
1026	@TS 1 lower cyl 6	35,45	35,39	35,31	35,25	34,55	34,64
1027	@TS 1 lower cyl 7	35,08	35,02	34,95	34,89	34,21	34,28
1028	@TS 1 lower cyl 8	35,08	35,02	34,95	34,88	34,21	34,28
1031	@TS 1 upper cyl 1	35,41	35,36	35,28	35,22	34,52	34,60
1032	@TS 1 upper cyl 2	35,71	35,65	35,57	35,51	34,80	34,88
1033	@TS 1 upper cyl 3	35,77	35,70	35,63	35,56	34,85	34,94
1034	@TS 1 upper cyl 4	35,74	35,68	35,60	35,53	34,82	34,92
1035	@TS 1 upper cyl 5	35,70	35,64	35,56	35,50	34,79	34,88
1036	@TS 1 upper cyl 6	35,42	35,36	35,28	35,22	34,53	34,61
1037	@TS 1 upper cyl 7	34,96	34,90	34,83	34,76	34,10	34,16
1038	@TS 1 upper cyl 8	34,95	34,89	34,82	34,76	34,09	34,15
1041	@TS 1 upper bulk 1	35,40	35,34	35,27	35,20	34,51	34,59
1042	@TS 1 upper bulk 2	35,59	35,53	35,45	35,38	34,68	34,77
1043	@TS 1 upper bulk 3	35,66	35,60	35,53	35,46	34,75	34,84
1044	@TS 1 upper bulk 4	35,66	35,60	35,52	35,45	34,75	34,84
1045	@TS 1 upper bulk 5	35,58	35,52	35,44	35,38	34,68	34,77
1046	@TS 1 upper bulk 6	35,40	35,34	35,27	35,20	34,51	34,59
1047	@TS 1 upper bulk 7	35,20	35,14	35,07	35,00	34,32	34,40
1048	@TS 1 upper bulk 8	35,20	35,14	35,07	35,00	34,32	34,39
1061	Susp bolt up pZmY TS1	35,69	35,63	35,56	35,49	34,78	34,89
1062	Susp bolt up pZmY TS1	36,07	36,01	35,93	35,86	35,13	35,23
1063	Susp bolt up mZmY TS1	36,02	35,96	35,88	35,81	35,08	35,20
1064	Susp bolt up mZmY TS1	35,94	35,88	35,80	35,73	35,01	35,13
1065	Susp bolt up mZpY TS1	36,07	36,00	35,93	35,86	35,13	35,24
1066	Susp bolt up mZpY TS1	35,61	35,55	35,48	35,41	34,70	34,82
1067	Susp bolt up pZpY TS1	34,78	34,72	34,65	34,59	33,93	33,99
1068	Susp bolt up pZpY TS1	34,76	34,71	34,64	34,57	33,92	33,98
1111	TS 1 lower bulk MLI 1	38,32	38,24	38,13	38,05	37,10	37,59
1112	TS 1 lower bulk MLI 2	38,41	38,33	38,22	38,13	37,18	37,67
1113	TS 1 lower bulk MLI 3	38,44	38,36	38,25	38,17	37,21	37,71
1114	TS 1 lower bulk MLI 4	38,46	38,38	38,27	38,19	37,23	37,73
1115	TS 1 lower bulk MLI 5	38,42	38,34	38,23	38,15	37,19	37,69
1116	TS 1 lower bulk MLI 6	38,33	38,25	38,14	38,05	37,10	37,59
1117	TS 1 lower bulk MLI 7	38,24	38,16	38,05	37,96	37,01	37,50
1118	TS 1 lower bulk MLI 8	38,23	38,15	38,04	37,96	37,01	37,50
1121	TS 1 lower cyl MLI 1	39,35	39,26	39,14	39,05	38,02	38,65
1122	TS 1 lower cyl MLI 2	39,46	39,37	39,25	39,16	38,13	38,76
1123	TS 1 lower cyl MLI 3	39,42	39,33	39,21	39,12	38,10	38,73
1124	TS 1 lower cyl MLI 4	39,41	39,33	39,21	39,11	38,10	38,73
1125	TS 1 lower cyl MLI 5	39,45	39,37	39,25	39,16	38,13	38,76
1126	TS 1 lower cyl MLI 6	39,33	39,25	39,13	39,03	38,01	38,64
1127	TS 1 lower cyl MLI 7	39,14	39,06	38,94	38,85	37,83	38,44
1128	TS 1 lower cyl MLI 8	39,14	39,06	38,94	38,85	37,83	38,44
1131	TS 1 upper cyl MLI 1	39,51	39,43	39,30	39,21	38,16	38,81
1132	TS 1 upper cyl MLI 2	39,63	39,55	39,42	39,33	38,28	38,93
1133	TS 1 upper cyl MLI 3	39,58	39,49	39,37	39,28	38,24	38,90
1134	TS 1 upper cyl MLI 4	39,55	39,46	39,34	39,25	38,21	38,87
1135	TS 1 upper cyl MLI 5	39,62	39,53	39,41	39,32	38,27	38,93
1136	TS 1 upper cyl MLI 6	40,92	40,83	40,69	40,59	39,45	40,08

1137	TS 1 upper cyl MLI 7	39,28	39,19	39,07	38,97	37,94	38,58
1138	TS 1 upper cyl MLI 8	39,27	39,19	39,06	38,97	37,93	38,57
1141	TS 1 upper bulk MLI 1	38,79	38,71	38,59	38,50	37,51	38,07
1142	TS 1 upper bulk MLI 2	38,89	38,81	38,69	38,60	37,60	38,17
1143	TS 1 upper bulk MLI 3	38,92	38,83	38,71	38,62	37,63	38,19
1144	TS 1 upper bulk MLI 4	38,91	38,82	38,71	38,62	37,62	38,19
1145	TS 1 upper bulk MLI 5	38,88	38,80	38,68	38,59	37,60	38,16
1146	TS 1 upper bulk MLI 6	38,79	38,71	38,59	38,50	37,51	38,07
1147	TS 1 upper bulk MLI 7	38,68	38,60	38,48	38,39	37,40	37,95
1148	TS 1 upper bulk MLI 8	38,68	38,60	38,48	38,39	37,40	37,95
1211	TS 1 low strap I/F 1	35,52	35,46	35,39	35,32	34,62	34,71
1212	TS 1 low strap I/F 2	35,72	35,66	35,58	35,51	34,80	34,90
1213	TS 1 low strap I/F 3	35,79	35,73	35,66	35,59	34,87	34,98
1214	TS 1 low strap I/F 4	35,87	35,80	35,73	35,66	34,94	35,05
1215	TS 1 low strap I/F 5	35,76	35,70	35,62	35,55	34,84	34,94
1216	TS 1 low strap I/F 6	35,52	35,46	35,38	35,32	34,62	34,72
1217	TS 1 low strap I/F 7	35,29	35,23	35,15	35,09	34,40	34,49
1218	TS 1 low strap I/F 8	35,28	35,22	35,14	35,08	34,39	34,48
1221	TS 1 upp strap I/F 1	35,52	35,46	35,38	35,32	34,62	34,70
1222	TS 1 upp strap I/F 2	35,91	35,84	35,77	35,70	34,98	35,06
1223	TS 1 upp strap I/F 3	35,87	35,81	35,73	35,66	34,94	35,04
1224	TS 1 upp strap I/F 4	35,79	35,73	35,65	35,58	34,87	34,97
1225	TS 1 upp strap I/F 5	35,90	35,84	35,76	35,70	34,98	35,07
1226	TS 1 upp strap I/F 6	35,43	35,37	35,30	35,23	34,54	34,63
1227	TS 1 upp strap I/F 7	34,57	34,52	34,45	34,39	33,75	33,78
1228	TS 1 upp strap I/F 8	34,56	34,50	34,43	34,37	33,73	33,77
2001	Susp bolt lo pZmY TS2	45,43	45,33	45,18	45,07	43,84	44,89
2002	Susp bolt lo pZmY TS2	45,39	45,29	45,14	45,03	43,81	44,86
2003	Susp bolt lo mZmY TS2	45,30	45,20	45,05	44,94	43,72	44,79
2004	Susp bolt lo mZmY TS2	45,29	45,18	45,04	44,93	43,71	44,78
2005	Susp bolt lo mZpY TS2	45,35	45,25	45,11	45,00	43,77	44,83
2006	Susp bolt lo mZpY TS2	45,39	45,29	45,14	45,03	43,81	44,86
2007	Susp bolt lo pZpY TS2	45,41	45,31	45,16	45,05	43,82	44,88
2008	Susp bolt lo pZpY TS2	45,42	45,32	45,17	45,06	43,83	44,89
2011	@TS 2 lower bulk 1	44,80	44,71	44,56	44,45	43,23	44,35
2012	@TS 2 lower bulk 2	44,75	44,66	44,51	44,40	43,19	44,31
2013	@TS 2 lower bulk 3	44,70	44,60	44,45	44,35	43,14	44,27
2014	@TS 2 lower bulk 4	44,70	44,60	44,45	44,34	43,14	44,26
2015	@TS 2 lower bulk 5	44,75	44,65	44,50	44,40	43,18	44,31
2016	@TS 2 lower bulk 6	44,80	44,70	44,55	44,45	43,23	44,35
2017	@TS 2 lower bulk 7	44,83	44,73	44,58	44,47	43,26	44,37
2018	@TS 2 lower bulk 8	44,83	44,73	44,58	44,48	43,26	44,37
2021	@TS 2 lower cyl 1	44,79	44,70	44,55	44,44	43,22	44,34
2022	@TS 2 lower cyl 2	44,71	44,61	44,46	44,36	43,14	44,27
2023	@TS 2 lower cyl 3	44,55	44,46	44,31	44,21	43,01	44,15
2024	@TS 2 lower cyl 4	44,55	44,45	44,30	44,20	43,00	44,14
2025	@TS 2 lower cyl 5	44,70	44,60	44,46	44,35	43,14	44,27
2026	@TS 2 lower cyl 6	44,79	44,69	44,54	44,43	43,22	44,34
2027	@TS 2 lower cyl 7	44,83	44,73	44,58	44,47	43,25	44,37
2028	@TS 2 lower cyl 8	44,83	44,73	44,58	44,47	43,25	44,37



2031	@TS 2 upper cyl 1	44,78	44,68	44,53	44,42	43,19	44,32
2032	@TS 2 upper cyl 2	44,70	44,60	44,45	44,34	43,12	44,26
2033	@TS 2 upper cyl 3	44,54	44,44	44,29	44,19	42,98	44,13
2034	@TS 2 upper cyl 4	44,51	44,41	44,26	44,16	42,96	44,10
2035	@TS 2 upper cyl 5	44,68	44,58	44,43	44,33	43,11	44,25
2036	@TS 2 upper cyl 6	44,77	44,68	44,52	44,42	43,19	44,32
2037	@TS 2 upper cyl 7	44,81	44,71	44,56	44,45	43,22	44,34
2038	@TS 2 upper cyl 8	44,81	44,71	44,56	44,45	43,22	44,34
2041	@TS 2 upper bulk 1	44,76	44,66	44,51	44,40	43,17	44,30
2042	@TS 2 upper bulk 2	44,72	44,62	44,47	44,36	43,13	44,27
2043	@TS 2 upper bulk 3	44,66	44,57	44,41	44,31	43,08	44,22
2044	@TS 2 upper bulk 4	44,66	44,56	44,41	44,30	43,08	44,21
2045	@TS 2 upper bulk 5	44,71	44,62	44,46	44,36	43,13	44,26
2046	@TS 2 upper bulk 6	44,76	44,66	44,51	44,40	43,17	44,30
2047	@TS 2 upper bulk 7	44,78	44,68	44,53	44,42	43,19	44,31
2048	@TS 2 upper bulk 8	44,78	44,68	44,53	44,42	43,19	44,32
2050	@TS 2 baffle	44,77	44,67	44,51	44,41	43,16	44,29
2061	Susp bolt up pZmY TS2	45,00	44,90	44,75	44,64	43,41	44,51
2062	Susp bolt up pZmY TS2	44,92	44,82	44,68	44,57	43,35	44,46
2063	Susp bolt up mZmY TS2	44,57	44,48	44,33	44,23	43,03	44,17
2064	Susp bolt up mZmY TS2	44,55	44,45	44,31	44,20	43,01	44,15
2065	Susp bolt up mZpY TS2	44,91	44,81	44,66	44,55	43,33	44,44
2066	Susp bolt up mZpY TS2	44,98	44,89	44,74	44,63	43,40	44,51
2067	Susp bolt up pZpY TS2	45,00	44,90	44,75	44,64	43,41	44,51
2068	Susp bolt up pZpY TS2	45,00	44,90	44,75	44,64	43,42	44,52
2090	TS 2 LO Baffles,	44,71	44,61	44,46	44,35	43,13	44,27
2111	TS 2 lower bulk MLI 1	51,54	51,40	51,23	51,07	49,45	50,74
2112	TS 2 lower bulk MLI 2	51,58	51,44	51,27	51,11	49,48	50,77
2113	TS 2 lower bulk MLI 3	51,59	51,44	51,27	51,11	49,49	50,77
2114	TS 2 lower bulk MLI 4	51,58	51,43	51,26	51,10	49,48	50,76
2115	TS 2 lower bulk MLI 5	51,56	51,41	51,24	51,09	49,46	50,75
2116	TS 2 lower bulk MLI 6	51,52	51,37	51,20	51,05	49,43	50,72
2117	TS 2 lower bulk MLI 7	51,47	51,32	51,15	51,00	49,38	50,69
2118	TS 2 lower bulk MLI 8	51,48	51,33	51,16	51,01	49,39	50,70
2121	TS 2 lower cyl MLI 1	52,12	51,98	51,80	51,65	50,01	51,31
2122	TS 2 lower cyl MLI 2	52,20	52,05	51,88	51,72	50,08	51,37
2123	TS 2 lower cyl MLI 3	52,19	52,04	51,87	51,71	50,06	51,35
2124	TS 2 lower cyl MLI 4	52,17	52,02	51,85	51,69	50,05	51,34
2125	TS 2 lower cyl MLI 5	52,16	52,02	51,85	51,69	50,05	51,34
2126	TS 2 lower cyl MLI 6	52,09	51,94	51,77	51,61	49,98	51,28
2127	TS 2 lower cyl MLI 7	51,89	51,75	51,58	51,42	49,80	51,14
2128	TS 2 lower cyl MLI 8	51,90	51,76	51,59	51,43	49,81	51,15
2131	TS 2 upper cyl MLI 1	51,26	51,12	50,95	50,79	49,17	50,47
2132	TS 2 upper cyl MLI 2	51,29	51,14	50,97	50,81	49,19	50,48
2133	TS 2 upper cyl MLI 3	51,24	51,10	50,93	50,77	49,15	50,44
2134	TS 2 upper cyl MLI 4	51,22	51,08	50,91	50,75	49,13	50,42
2135	TS 2 upper cyl MLI 5	51,25	51,11	50,94	50,78	49,16	50,45
2136	TS 2 upper cyl MLI 6	51,99	51,85	51,67	51,51	49,86	51,10
2137	TS 2 upper cyl MLI 7	51,20	51,05	50,88	50,73	49,11	50,42
2138	TS 2 upper cyl MLI 8	51,21	51,06	50,89	50,73	49,12	50,42

2141	TS 2 upper bulk MLI 1	51,82	51,67	51,50	51,34	49,70	50,99
2142	TS 2 upper bulk MLI 2	51,84	51,70	51,52	51,36	49,72	51,01
2143	TS 2 upper bulk MLI 3	51,84	51,69	51,52	51,36	49,72	51,00
2144	TS 2 upper bulk MLI 4	51,83	51,68	51,51	51,35	49,71	50,99
2145	TS 2 upper bulk MLI 5	51,82	51,67	51,50	51,34	49,70	50,99
2146	TS 2 upper bulk MLI 6	51,80	51,65	51,48	51,32	49,68	50,98
2147	TS 2 upper bulk MLI 7	51,78	51,63	51,46	51,30	49,66	50,96
2148	TS 2 upper bulk MLI 8	51,78	51,64	51,46	51,31	49,67	50,97
2211	TS 2 low strap I/F 1	44,82	44,72	44,57	44,46	43,25	44,36
2212	TS 2 low strap I/F 2	44,75	44,66	44,51	44,40	43,19	44,31
2213	TS 2 low strap I/F 3	44,65	44,56	44,41	44,30	43,10	44,23
2214	TS 2 low strap I/F 4	44,65	44,55	44,40	44,30	43,09	44,23
2215	TS 2 low strap I/F 5	44,75	44,65	44,50	44,39	43,18	44,31
2216	TS 2 low strap I/F 6	44,81	44,72	44,57	44,46	43,24	44,36
2217	TS 2 low strap I/F 7	44,85	44,75	44,60	44,49	43,27	44,39
2218	TS 2 low strap I/F 8	44,85	44,75	44,60	44,49	43,27	44,39
2221	TS 2 upp strap I/F 1	44,80	44,70	44,55	44,44	43,22	44,34
2222	TS 2 upp strap I/F 2	44,71	44,61	44,47	44,36	43,14	44,28
2223	TS 2 upp strap I/F 3	44,34	44,25	44,10	44,00	42,81	43,97
2224	TS 2 upp strap I/F 4	44,32	44,22	44,08	43,98	42,79	43,96
2225	TS 2 upp strap I/F 5	44,70	44,60	44,45	44,35	43,13	44,27
2226	TS 2 upp strap I/F 6	44,80	44,70	44,55	44,44	43,22	44,34
2227	TS 2 upp strap I/F 7	44,83	44,73	44,58	44,48	43,25	44,37
2228	TS 2 upp strap I/F 8	44,83	44,73	44,58	44,48	43,25	44,37
3001	Susp bolt lo pZmY TS3	55,96	55,80	55,63	55,47	53,78	54,93
3002	Susp bolt lo pZmY TS3	56,00	55,85	55,68	55,51	53,83	54,95
3003	Susp bolt lo mZmY TS3	55,88	55,73	55,56	55,40	53,72	54,84
3004	Susp bolt lo mZmY TS3	55,79	55,64	55,47	55,31	53,65	54,77
3005	Susp bolt lo mZpY TS3	55,71	55,56	55,40	55,23	53,57	54,70
3006	Susp bolt lo mZpY TS3	55,68	55,52	55,36	55,19	53,53	54,68
3007	Susp bolt lo pZpY TS3	55,69	55,54	55,37	55,21	53,54	54,71
3008	Susp bolt lo pZpY TS3	55,78	55,63	55,46	55,29	53,62	54,79
3011	@TS 3 lower bulk 1	55,41	55,26	55,09	54,93	53,27	54,52
3012	@TS 3 lower bulk 2	55,49	55,34	55,17	55,00	53,34	54,58
3013	@TS 3 lower bulk 3	55,52	55,37	55,20	55,03	53,37	54,60
3014	@TS 3 lower bulk 4	55,50	55,35	55,19	55,02	53,36	54,59
3015	@TS 3 lower bulk 5	55,45	55,30	55,14	54,97	53,31	54,55
3016	@TS 3 lower bulk 6	55,38	55,22	55,06	54,90	53,24	54,49
3017	@TS 3 lower bulk 7	55,29	55,14	54,98	54,81	53,16	54,43
3018	@TS 3 lower bulk 8	55,31	55,16	54,99	54,83	53,18	54,45
3021	@TS 3 lower cyl 1	55,36	55,21	55,04	54,88	53,23	54,49
3022	@TS 3 lower cyl 2	55,49	55,34	55,17	55,01	53,35	54,58
3023	@TS 3 lower cyl 3	55,53	55,38	55,21	55,05	53,38	54,61
3024	@TS 3 lower cyl 4	55,51	55,36	55,19	55,03	53,37	54,59
3025	@TS 3 lower cyl 5	55,45	55,30	55,13	54,97	53,31	54,55
3026	@TS 3 lower cyl 6	55,32	55,17	55,01	54,84	53,19	54,45
3027	@TS 3 lower cyl 7	55,05	54,90	54,74	54,58	52,94	54,25
3028	@TS 3 lower cyl 8	55,07	54,92	54,75	54,59	52,96	54,27
3031	@TS 3 upper cyl 1	55,44	55,29	55,13	54,96	53,30	54,55
3032	@TS 3 upper cyl 2	55,52	55,36	55,20	55,03	53,37	54,60



3033	@TS 3 upper cyl 3	55,54	55,39	55,22	55,05	53,39	54,62
3034	@TS 3 upper cyl 4	55,52	55,37	55,20	55,04	53,38	54,60
3035	@TS 3 upper cyl 5	55,48	55,33	55,16	55,00	53,34	54,57
3036	@TS 3 upper cyl 6	55,41	55,26	55,09	54,93	53,27	54,52
3037	@TS 3 upper cyl 7	55,33	55,18	55,01	54,85	53,20	54,46
3038	@TS 3 upper cyl 8	55,34	55,19	55,02	54,86	53,21	54,47
3041	@TS 3 upper bulk 1	55,47	55,32	55,15	54,98	53,32	54,57
3042	@TS 3 upper bulk 2	55,52	55,36	55,20	55,03	53,37	54,60
3043	@TS 3 upper bulk 3	55,53	55,38	55,21	55,05	53,38	54,61
3044	@TS 3 upper bulk 4	55,52	55,37	55,20	55,04	53,37	54,60
3045	@TS 3 upper bulk 5	55,49	55,34	55,17	55,00	53,34	54,58
3046	@TS 3 upper bulk 6	55,44	55,29	55,12	54,96	53,30	54,54
3047	@TS 3 upper bulk 7	55,40	55,25	55,08	54,92	53,26	54,52
3048	@TS 3 upper bulk 8	55,41	55,26	55,09	54,93	53,27	54,53
3061	Susp bolt up pZmY TS3	55,63	55,47	55,31	55,14	53,47	54,68
3062	Susp bolt up pZmY TS3	55,70	55,55	55,38	55,21	53,54	54,73
3063	Susp bolt up mZmY TS3	55,66	55,51	55,34	55,17	53,50	54,69
3064	Susp bolt up mZmY TS3	55,61	55,46	55,29	55,13	53,46	54,65
3065	Susp bolt up mZpY TS3	55,56	55,40	55,24	55,07	53,41	54,61
3066	Susp bolt up mZpY TS3	55,49	55,34	55,17	55,01	53,35	54,56
3067	Susp bolt up pZpY TS3	55,40	55,25	55,08	54,92	53,26	54,50
3068	Susp bolt up pZpY TS3	55,44	55,29	55,12	54,96	53,30	54,54
3111	TS 3 lower bulk MLI 1	68,20	67,97	67,81	67,55	65,15	65,73
3112	TS 3 lower bulk MLI 2	67,87	67,64	67,49	67,24	64,88	65,42
3113	TS 3 lower bulk MLI 3	67,19	66,96	66,83	66,58	64,29	64,81
3114	TS 3 lower bulk MLI 4	66,64	66,42	66,30	66,06	63,83	64,34
3115	TS 3 lower bulk MLI 5	66,48	66,25	66,14	65,89	63,67	64,20
3116	TS 3 lower bulk MLI 6	66,81	66,58	66,45	66,20	63,94	64,50
3117	TS 3 lower bulk MLI 7	67,53	67,30	67,15	66,89	64,56	65,15
3118	TS 3 lower bulk MLI 8	68,08	67,84	67,68	67,42	65,03	65,63
3121	TS 3 lower cyl MLI 1	67,82	67,60	67,39	67,15	64,82	65,39
3122	TS 3 lower cyl MLI 2	67,57	67,35	67,14	66,90	64,63	65,14
3123	TS 3 lower cyl MLI 3	66,38	66,17	65,98	65,75	63,58	64,09
3124	TS 3 lower cyl MLI 4	65,73	65,53	65,36	65,14	63,05	63,56
3125	TS 3 lower cyl MLI 5	65,39	65,19	65,02	64,80	62,72	63,26
3126	TS 3 lower cyl MLI 6	65,75	65,55	65,35	65,13	62,98	63,56
3127	TS 3 lower cyl MLI 7	67,00	66,79	66,58	66,35	64,09	64,68
3128	TS 3 lower cyl MLI 8	67,64	67,42	67,20	66,96	64,65	65,24
3131	TS 3 upper cyl MLI 1	66,86	66,65	66,39	66,16	63,86	64,49
3132	TS 3 upper cyl MLI 2	66,51	66,30	66,06	65,83	63,57	64,15
3133	TS 3 upper cyl MLI 3	65,58	65,38	65,16	64,94	62,78	63,34
3134	TS 3 upper cyl MLI 4	64,49	64,30	64,08	63,87	61,81	62,40
3135	TS 3 upper cyl MLI 5	64,27	64,08	63,87	63,66	61,60	62,21
3136	TS 3 upper cyl MLI 6	64,99	64,79	64,58	64,36	62,23	62,86
3137	TS 3 upper cyl MLI 7	66,26	66,06	65,82	65,59	63,35	64,00
3138	TS 3 upper cyl MLI 8	66,75	66,54	66,29	66,06	63,77	64,42
3141	TS 3 upper bulk MLI 1	67,46	67,25	66,97	66,74	64,43	65,03
3142	TS 3 upper bulk MLI 2	67,14	66,93	66,66	66,43	64,15	64,70
3143	TS 3 upper bulk MLI 3	66,52	66,32	66,05	65,83	63,61	64,16
3144	TS 3 upper bulk MLI 4	65,57	65,37	65,10	64,89	62,74	63,33



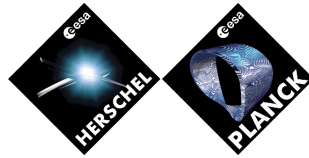
3145	TS 3 upper bulk MLI 5	65,41	65,22	64,95	64,74	62,60	63,21
3146	TS 3 upper bulk MLI 6	66,16	65,96	65,69	65,48	63,27	63,89
3147	TS 3 upper bulk MLI 7	66,88	66,67	66,40	66,18	63,90	64,53
3148	TS 3 upper bulk MLI 8	67,38	67,17	66,88	66,66	64,36	64,98
3211	TS 3 low strap I/F 1	55,40	55,25	55,09	54,92	53,27	54,52
3212	TS 3 low strap I/F 2	55,51	55,36	55,19	55,02	53,36	54,59
3213	TS 3 low strap I/F 3	55,54	55,38	55,22	55,05	53,39	54,61
3214	TS 3 low strap I/F 4	55,52	55,37	55,20	55,04	53,37	54,60
3215	TS 3 low strap I/F 5	55,46	55,31	55,14	54,98	53,32	54,55
3216	TS 3 low strap I/F 6	55,36	55,21	55,04	54,88	53,23	54,48
3217	TS 3 low strap I/F 7	55,19	55,04	54,87	54,71	53,07	54,35
3218	TS 3 low strap I/F 8	55,20	55,06	54,89	54,73	53,08	54,37
3221	TS 3 upp strap I/F 1	55,42	55,27	55,11	54,94	53,28	54,53
3222	TS 3 upp strap I/F 2	55,52	55,37	55,20	55,04	53,37	54,60
3223	TS 3 upp strap I/F 3	55,55	55,39	55,23	55,06	53,40	54,62
3224	TS 3 upp strap I/F 4	55,53	55,37	55,21	55,04	53,38	54,60
3225	TS 3 upp strap I/F 5	55,47	55,32	55,15	54,99	53,33	54,56
3226	TS 3 upp strap I/F 6	55,38	55,23	55,06	54,90	53,24	54,50
3227	TS 3 upp strap I/F 7	55,22	55,07	54,90	54,74	53,09	54,38
3228	TS 3 upp strap I/F 8	55,23	55,08	54,92	54,75	53,11	54,39
4011	@CVV LOW BULK 1	71,16	70,92	70,77	70,51	68,10	68,51
4012	@CVV LOW BULK 2	70,77	70,53	70,40	70,14	67,77	68,14
4013	@CVV LOW BULK 3	69,98	69,75	69,63	69,38	67,09	67,43
4014	@CVV LOW BULK 4	69,36	69,13	69,03	68,79	66,56	66,89
4015	@CVV LOW BULK 5	69,19	68,95	68,85	68,61	66,38	66,73
4016	@CVV LOW BULK 6	69,58	69,35	69,23	68,98	66,71	67,10
4017	@CVV LOW BULK 7	70,42	70,18	70,04	69,78	67,44	67,86
4018	@CVV LOW BULK 8	71,04	70,79	70,64	70,38	67,98	68,41
4021	@CVV LOW CYL 1	70,65	70,43	70,22	69,97	67,64	68,05
4022	@CVV LOW CYL 2	70,34	70,12	69,91	69,68	67,39	67,74
4023	@CVV LOW CYL 3	68,98	68,77	68,57	68,35	66,18	66,51
4024	@CVV LOW CYL 4	68,23	68,02	67,86	67,64	65,57	65,90
4025	@CVV LOW CYL 5	67,85	67,65	67,49	67,27	65,20	65,55
4026	@CVV LOW CYL 6	68,29	68,09	67,89	67,67	65,53	65,93
4027	@CVV LOW CYL 7	69,78	69,56	69,36	69,12	66,86	67,28
4028	@CVV LOW CYL 8	70,50	70,27	70,06	69,82	67,49	67,92
4031	@CVV UPP CYL 1	70,40	70,19	69,93	69,70	67,38	67,80
4032	@CVV UPP CYL 2	69,97	69,76	69,51	69,28	67,02	67,37
4033	@CVV UPP CYL 3	68,85	68,65	68,43	68,21	66,05	66,38
4034	@CVV UPP CYL 4	67,53	67,34	67,12	66,91	64,86	65,21
4035	@CVV UPP CYL 5	67,28	67,08	66,87	66,66	64,61	64,99
4036	@CVV UPP CYL 6	68,18	67,98	67,76	67,54	65,41	65,82
4037	@CVV UPP CYL 7	69,73	69,52	69,27	69,04	66,79	67,23
4038	@CVV UPP CYL 8	70,31	70,09	69,83	69,60	67,29	67,73
4041	@CVV UPP BULK 1	70,37	70,16	69,87	69,64	67,33	67,76
4042	@CVV UPP BULK 2	69,99	69,79	69,51	69,28	66,99	67,37
4043	@CVV UPP BULK 3	69,28	69,08	68,80	68,58	66,36	66,73
4044	@CVV UPP BULK 4	68,17	67,98	67,70	67,49	65,35	65,75
4045	@CVV UPP BULK 5	68,00	67,81	67,53	67,32	65,18	65,61
4046	@CVV UPP BULK 6	68,88	68,68	68,41	68,19	65,98	66,42



4047	@CVV UPP BULK 7	69,71	69,51	69,23	69,01	66,73	67,18
4048	@CVV UPP BULK 8	70,29	70,08	69,79	69,56	67,25	67,70
4050	@CVV -Z Radiator low cyl	67,60	67,40	67,25	67,04	65,00	65,33
4051	CVV -Z Rad, arithm, low	67,82	67,62	67,46	67,24	65,19	65,52
4052	CVV -Z Rad, arithm, upp	66,95	66,76	66,55	66,35	64,33	64,69
4053	@CVV -Z Radiator upp cyl	66,75	66,57	66,36	66,16	64,16	64,52
4055	@CVV -Y Radiator	68,82	68,62	68,41	68,19	66,03	66,37
4057	@CVV +Y Radiator	68,16	67,95	67,75	67,53	65,40	65,80
4070	Cryostat baffle pz	69,91	69,70	69,39	69,17	66,86	67,31
4071	Cryostat baffle my	69,51	69,31	69,01	68,79	66,52	66,93
4072	Cryostat baffle mz	68,62	68,42	68,10	67,89	65,67	66,13
4073	Cryostat baffle py	69,41	69,21	68,90	68,69	66,42	66,87
4075	Cryostat inner baffle	69,32	69,12	68,79	68,58	66,26	66,71
4079	Cryostat baffle top	69,36	69,16	68,84	68,63	66,34	66,79
4081	Pretension 1	69,14	68,92	68,71	68,48	66,22	66,70
4082	Pretension 2	68,86	68,65	68,45	68,22	66,01	66,42
4083	Pretension 3	67,62	67,42	67,23	67,01	64,91	65,31
4084	Pretension 4	66,94	66,75	66,59	66,37	64,35	64,76
4085	Pretension 5	66,60	66,40	66,24	66,03	64,01	64,44
4086	Pretension 6	66,99	66,79	66,60	66,39	64,30	64,78
4087	Pretension 7	68,32	68,11	67,92	67,69	65,50	65,99
4088	Pretension 8	68,98	68,76	68,56	68,32	66,07	66,57
4090	CVV LO windows	69,57	69,36	69,12	68,89	66,66	67,01
4103	CVV MLI LOW BULK top 3	102,58	101,96	101,96	101,27	95,38	97,19
4104	CVV MLI LOW BULK top 4	67,82	66,98	69,23	68,32	64,58	63,49
4105	CVV MLI LOW BULK top 5	66,02	65,14	67,24	66,30	62,88	62,03
4106	CVV MLI LOW BULK top 6	84,81	84,36	83,83	83,32	78,87	81,06
4111	CVV MLI LOW BULK 1	161,98	160,87	161,38	160,12	150,67	153,84
4112	CVV MLI LOW BULK 2	150,28	148,95	151,11	149,63	139,96	141,29
4113	CVV MLI LOW BULK 3	142,57	140,58	146,23	144,13	134,17	131,33
4114	CVV MLI LOW BULK 4	132,71	130,58	137,04	134,83	125,40	121,22
4115	CVV MLI LOW BULK 5	131,38	129,11	135,53	133,18	123,96	120,08
4116	CVV MLI LOW BULK 6	135,66	133,65	138,91	136,79	127,60	125,34
4117	CVV MLI LOW BULK 7	144,11	142,87	144,62	143,22	134,43	136,18
4118	CVV MLI LOW BULK 8	161,54	160,48	160,78	159,57	150,28	153,70
4121	CVV MLI LOW CYL 1	156,36	155,93	152,46	151,94	145,27	150,39
4122	CVV MLI LOW CYL 2	133,59	133,17	130,84	130,34	124,02	127,46
4127	CVV MLI LOW CYL 7	127,08	126,67	124,25	123,77	117,76	122,16
4128	CVV MLI LOW CYL 8	155,69	155,28	151,75	151,25	144,64	149,92
4131	CVV MLI UPP CYL 1	152,81	152,47	148,48	148,07	141,53	146,58
4132	CVV MLI UPP CYL 2	129,75	129,43	126,57	126,18	120,43	123,09
4137	CVV MLI UPP CYL 7	122,69	122,37	119,48	119,08	113,38	117,52
4138	CVV MLI UPP CYL 8	152,40	152,06	148,09	147,68	141,12	146,33
4141	CVV MLI UPP BULK 1	135,42	135,17	131,39	131,09	122,90	127,28
4142	CVV MLI UPP BULK 2	117,47	117,23	114,14	113,85	106,85	110,40
4143	CVV MLI UPP BULK 3	86,71	86,50	84,61	84,36	79,73	81,67
4146	CVV MLI UPP BULK 6	82,74	82,53	80,69	80,44	75,86	78,33
4147	CVV MLI UPP BULK 7	114,82	114,59	111,52	111,23	104,21	108,04
4148	CVV MLI UPP BULK 8	135,30	135,06	131,27	130,97	122,74	127,29
4155	CVV -Y Rad, MLI	128,52	128,15	126,11	125,67	119,56	121,69



4156	CVV -Y Rad, MLI2	63,81	63,61	63,39	63,17	61,09	61,43
4157	CVV +Y Rad, MLI	141,43	141,04	138,20	137,72	131,14	135,91
4158	CVV +Y Rad, MLI2	62,67	62,48	62,19	61,97	59,90	60,46
4170	Cryos, baf, MLI pz	136,91	136,65	132,85	132,54	124,87	129,42
4171	Cryos, baf, MLI my	106,59	106,35	103,71	103,42	97,61	100,64
4173	Cryos, baf, MLI py	105,38	105,14	102,42	102,14	96,43	99,93
4179	Cryos, baf, MLI top	86,04	85,83	83,84	83,59	78,52	80,68
4200	LOU support plate	136,40	136,26	135,75	135,59	133,88	111,08
4205	LOU MLI +Y	133,16	132,86	130,53	130,17	124,96	124,13
4210	LOU baseplate	136,47	136,34	135,82	135,66	133,96	111,11
4250	LOU Radiator low,	120,32	120,20	119,66	119,52	117,93	103,41
4251	LOU Radiator upp,	130,25	130,12	129,59	129,44	127,79	108,32
4260	LOU Rad, straps pX	135,14	135,00	134,48	134,32	132,62	110,54
4261	LOU Rad, supp, pZpX	131,72	131,59	131,04	130,88	129,16	109,09
4263	LOU Rad, supp, pZmX	124,59	124,46	123,87	123,71	121,96	105,86
4265	LOU Rad, supp, pZ	128,86	128,73	128,17	128,02	126,30	107,73
4267	LOU Rad, supp, mZpX	133,07	132,94	132,41	132,25	130,55	109,63
4269	LOU Rad, supp, mZmX	122,42	122,29	121,74	121,60	119,95	104,54
4301	LOU harness 1	148,60	148,47	147,99	147,84	146,24	124,78
4302	LOU harness 2	174,07	173,96	173,54	173,42	172,04	153,43
4303	LOU harness 3	200,83	200,74	200,40	200,29	199,16	183,75
4304	LOU harness 4	228,30	228,24	227,99	227,92	227,10	215,83
4305	LOU harness 5	256,91	256,87	256,73	256,68	256,19	249,32
4306	LOU harness 6	285,62	285,60	285,55	285,54	285,37	283,04
4361	LOUA Waveguid 1	134,89	134,60	133,31	132,98	129,20	118,67
4362	LOUA Waveguid 2	134,65	134,25	132,62	132,16	126,91	124,86
4363	LOUA Waveguid 3	132,19	131,69	130,59	130,05	124,39	125,06
4364	LOUA Waveguid 4	137,69	136,92	137,50	136,71	130,69	131,15
4365	LOUA Waveguid 5	165,91	164,25	168,78	167,17	158,94	156,72
4366	LOUA Waveguid 6	256,52	251,42	268,61	263,69	243,62	232,72
5000	GHe tank outlet	1,65	1,65	1,65	1,65	1,65	1,61
5010	GHe Tank-PACS	1,65	1,65	1,65	1,65	1,65	1,61
5011	GHe Tank-PACS	1,65	1,65	1,65	1,65	1,65	1,61
5012	GHe Tank-PACS	1,65	1,65	1,65	1,65	1,65	1,62
5013	GHe Tank-PACS	1,66	1,66	1,66	1,66	1,66	1,62
5014	GHe PACS I/F 1	1,68	1,68	1,68	1,68	1,68	1,78
5020	GHe PACS I/F 1	1,69	1,69	1,69	1,69	1,69	1,85
5021	GHe PACS I/F 1	1,69	1,69	1,69	1,69	1,69	1,89
5022	GHe PACS I/F 1	1,70	1,70	1,70	1,70	1,70	1,94
5023	GHe PACS I/F 1/2	1,75	1,75	1,75	1,75	1,76	2,03
5024	GHe PACS I/F 2	2,25	2,25	2,26	2,26	2,30	2,09
5025	GHe PACS I/F 2	2,79	2,80	2,81	2,81	2,89	2,16
5026	GHe PACS I/F 2	3,00	3,01	3,02	3,03	3,11	2,18
5027	GHe PACS I/F 2	3,38	3,39	3,40	3,40	3,50	2,23
5028	GHe PACS I/F 2/3	3,77	3,78	3,79	3,80	3,89	2,30
5029	GHe PACS I/F 3	3,78	3,79	3,80	3,81	3,90	2,34
5030	GHe PACS I/F 3	3,78	3,79	3,80	3,81	3,90	2,36
5031	GHe PACS I/F 3	3,78	3,79	3,80	3,81	3,90	2,37
5032	GHe PACS I/F 3	3,78	3,79	3,80	3,81	3,91	2,39
5033	GHe PACS-SPIRE	3,79	3,80	3,81	3,82	3,91	2,43



5034	GHe PACS-SPIRE	3,79	3,80	3,81	3,82	3,92	2,51
5035	GHe SPIRE I/F 1	3,80	3,81	3,82	3,83	3,93	2,76
5036	GHe SPIRE I/F 1	3,81	3,82	3,83	3,83	3,93	2,90
5037	GHe SPIRE I/F 1	3,81	3,82	3,83	3,84	3,93	2,95
5038	GHe SPIRE I/F 1	3,81	3,82	3,83	3,84	3,94	3,06
5039	GHe SPIRE I/F 2	3,82	3,83	3,84	3,85	3,95	3,20
5043	GHe HIFI I/F	3,87	3,88	3,89	3,90	4,00	3,47
5044	GHe HIFI I/F	3,89	3,90	3,91	3,92	4,03	3,69
5045	GHe HIFI I/F	3,90	3,91	3,92	3,93	4,04	3,77
5046	GHe HIFI I/F	3,93	3,94	3,95	3,96	4,07	3,90
5050	GHe L1-L2	3,97	3,98	3,99	4,00	4,11	4,00
5051	GHe L1-L2	4,18	4,19	4,20	4,22	4,35	4,12
5052	GHe L1-L2	4,75	4,77	4,78	4,80	4,97	4,39
5053	GHe L1-L2	6,14	6,16	6,18	6,20	6,42	5,02
5054	GHe L1-L2	9,04	9,07	9,08	9,11	9,34	6,38
5060	GHe Lev,2 OB	13,49	13,50	13,49	13,50	13,55	8,71
5061	GHe Lev,2 OB	14,53	14,54	14,52	14,53	14,53	9,23
5062	GHe Lev,2 OB	14,76	14,76	14,75	14,75	14,75	9,33
5063	GHe Lev,2 OB	15,15	15,16	15,14	15,15	15,13	9,39
5070	GHe L2-L3	15,31	15,32	15,30	15,31	15,31	9,58
5071	GHe PM JFET I/F	15,64	15,64	15,63	15,64	15,66	10,00
5080	GHe PM JFET I/F	16,09	16,10	16,09	16,10	16,14	10,65
5081	GHe PM JFET I/F	16,20	16,21	16,20	16,21	16,25	10,80
5082	GHe PM JFET I/F	16,32	16,33	16,32	16,33	16,37	10,96
5083	GHe SM JFET I/F	16,33	16,34	16,33	16,34	16,37	11,05
5084	GHe SM JFET I/F	16,32	16,33	16,32	16,33	16,36	11,19
5085	GHe SM JFET I/F	16,32	16,33	16,32	16,32	16,36	11,22
5086	GHe SM JFET I/F	16,31	16,32	16,31	16,32	16,35	11,25
5090	GHe L3-TS1	16,30	16,30	16,29	16,30	16,33	11,24
5091	GHe L3-TS1	16,53	16,53	16,53	16,53	16,57	11,57
5092	GHe L3-TS1	26,29	26,28	26,25	26,24	26,03	24,87
5110	GHe TS 1 / line pymz	34,56	34,50	34,43	34,37	33,73	33,76
5111	GHe TS 1 / line pymz	35,43	35,37	35,30	35,23	34,54	34,63
5112	GHe TS 1 / line pymz	35,90	35,84	35,76	35,70	34,98	35,07
5113	GHe TS 1 / line pymz	35,79	35,73	35,65	35,58	34,87	34,97
5119	GHe TS 1 / line pymz	35,92	35,86	35,78	35,72	35,00	35,15
5120	GHe TS 1 / line mypz	34,54	34,48	34,41	34,35	33,72	33,75
5121	GHe TS 1 / line mypz	35,51	35,45	35,38	35,31	34,62	34,70
5122	GHe TS 1 / line mypz	35,91	35,84	35,77	35,70	34,98	35,06
5123	GHe TS 1 / line mypz	35,87	35,81	35,73	35,66	34,94	35,04
5129	GHe TS 1 / line mypz	36,00	35,94	35,86	35,79	35,07	35,22
5210	GHe TS 2 / line pymz	44,30	44,21	44,06	43,96	42,77	43,94
5211	GHe TS 2 / line pymz	44,70	44,60	44,45	44,35	43,13	44,27
5212	GHe TS 2 / line pymz	44,80	44,70	44,55	44,44	43,22	44,34
5213	GHe TS 2 / line pymz	44,83	44,73	44,58	44,48	43,25	44,37
5219	GHe TS 2 / line pymz	45,08	44,98	44,83	44,72	43,49	44,67
5220	GHe TS 2 / line mypz	44,32	44,23	44,08	43,98	42,79	43,95
5221	GHe TS 2 / line mypz	44,71	44,61	44,46	44,36	43,14	44,28
5222	GHe TS 2 / line mypz	44,80	44,70	44,55	44,44	43,22	44,34
5223	GHe TS 2 / line mypz	44,83	44,73	44,58	44,48	43,25	44,37

5229	GHe TS 2 / line mypz	45,08	44,98	44,83	44,72	43,49	44,67
5310	GHe TS 3 / line pymz	55,03	54,88	54,72	54,56	52,92	54,23
5311	GHe TS 3 / line pymz	55,32	55,17	55,00	54,84	53,19	54,45
5312	GHe TS 3 / line pymz	55,45	55,30	55,13	54,97	53,31	54,55
5313	GHe TS 3 / line pymz	55,51	55,36	55,19	55,03	53,37	54,59
5320	GHe TS 3 / line mypz	55,05	54,90	54,73	54,57	52,93	54,25
5321	GHe TS 3 / line mypz	55,36	55,21	55,04	54,88	53,23	54,49
5322	GHe TS 3 / line mypz	55,49	55,34	55,17	55,01	53,35	54,58
5323	GHe TS 3 / line mypz	55,53	55,38	55,21	55,05	53,38	54,61
5329	GHe TS 3 out	55,89	55,74	55,57	55,41	53,74	55,02
5900	Mass Flow Rate [mg/s]	2,30	2,30	2,29	2,28	2,18	1,76
5901	Helium: Init Mass [kg]	337,00	337,00	337,00	337,00	337,00	337,00
5902	Helium: Act Mass [kg]	337,00	337,00	337,00	337,00	337,00	337,00
5903	Helium: Cons Mass [kg]	0,00	0,00	0,00	0,00	0,00	0,00
5950	Lifetime [days]	1462,05	1467,06	1473,90	1479,40	1540,72	1890,30
5951	Heat to Tank [mW]	52,64	52,45	52,19	51,99	49,80	39,97
6204	SVM SHIELD C, +Y-Z	124,02	122,00	126,79	124,69	117,45	115,47
6205	SVM SHIELD C, -Y-Z	126,43	124,49	129,58	127,56	119,64	116,90
6206	SVM SHIELD -Z	121,02	119,04	124,00	121,95	115,28	112,67
6304	SVM SHLD MLI C, +Y-Z	106,95	106,03	106,69	105,66	100,15	101,31
6305	SVM SHLD MLI C, -Y-Z	114,23	113,32	114,17	113,16	106,96	107,63
6306	SVM SHLD MLI -Z	87,85	86,61	89,47	88,16	83,45	82,10
6501	STRUT1_CVVSVM	233,08	228,82	240,32	236,05	218,74	216,18
6502	STRUT1_CVVSVM	176,65	174,26	179,65	177,23	165,67	165,65
6503	STRUT1_CVVSVM	119,68	118,50	120,06	118,83	111,43	112,68
6511	STRUT2_CVVSVM	230,61	225,33	238,32	233,24	214,99	211,59
6512	STRUT2_CVVSVM	174,64	171,73	177,96	175,14	163,08	162,56
6513	STRUT2_CVVSVM	118,85	117,48	119,36	117,98	110,38	111,45
6521	STRUT3_CVVSVM	230,27	224,97	238,02	232,94	214,66	211,21
6522	STRUT3_CVVSVM	172,55	169,61	176,12	173,27	161,32	160,48
6523	STRUT3_CVVSVM	115,36	113,98	116,21	114,83	107,56	108,15
6531	STRUT4_CVVSVM	226,43	222,16	235,33	231,18	214,36	208,07
6532	STRUT4_CVVSVM	169,78	167,32	174,04	171,64	160,42	157,99
6533	STRUT4_CVVSVM	114,36	113,15	115,49	114,27	107,23	107,22
6541	STRUT5_CVVSVM	226,90	222,60	235,87	231,69	214,76	208,42
6542	STRUT5_CVVSVM	169,83	167,35	174,25	171,81	160,63	157,92
6543	STRUT5_CVVSVM	113,25	112,06	114,49	113,28	106,50	106,20
6551	STRUT6_CVVSVM	224,91	220,66	234,40	230,26	213,45	206,31
6552	STRUT6_CVVSVM	167,57	165,01	172,70	170,19	159,08	155,40
6553	STRUT6_CVVSVM	111,04	109,82	112,63	111,40	104,83	104,04
6561	STRUT7_CVVSVM	223,12	218,90	232,60	228,50	211,89	204,71
6562	STRUT7_CVVSVM	161,94	159,45	167,18	164,76	154,40	150,41
6563	STRUT7_CVVSVM	103,66	102,55	105,46	104,37	98,95	97,66
6571	STRUT8_CVVSVM	221,39	217,59	231,54	227,86	212,31	202,15
6572	STRUT8_CVVSVM	160,70	158,41	166,41	164,18	154,40	148,65
6573	STRUT8_CVVSVM	102,80	101,77	104,81	103,79	98,65	96,66
6581	STRUT9_CVVSVM	221,25	217,44	231,42	227,73	212,18	202,00
6582	STRUT9_CVVSVM	160,04	157,74	165,83	163,60	153,86	148,03
6583	STRUT9_CVVSVM	101,83	100,80	103,92	102,90	97,86	95,78
6591	STRUT10_CVVSVM	220,70	216,88	230,85	227,16	211,76	201,33



6592	STRUT10_CVVSVM	159,46	157,15	165,27	163,03	153,40	147,40
6593	STRUT10_CVVSVM	102,04	100,98	104,20	103,15	98,04	95,86
6601	STRUT11_CVVSVM	220,60	216,78	230,75	227,06	211,66	201,24
6602	STRUT11_CVVSVM	159,04	156,71	164,84	162,58	153,03	147,04
6603	STRUT11_CVVSVM	101,65	100,58	103,80	102,74	97,71	95,53
6611	STRUT12_CVVSVM	221,05	215,65	230,42	225,34	210,96	201,36
6612	STRUT12_CVVSVM	159,22	156,04	164,61	161,61	152,61	147,05
6613	STRUT12_CVVSVM	101,92	100,51	103,95	102,59	97,71	95,67
6621	STRUT13_CVVSVM	221,06	215,65	230,41	225,33	210,97	201,38
6622	STRUT13_CVVSVM	159,35	156,15	164,69	161,69	152,69	147,19
6623	STRUT13_CVVSVM	101,56	100,18	103,50	102,17	97,38	95,44
6631	STRUT14_CVVSVM	221,47	215,97	230,76	225,60	211,17	201,79
6632	STRUT14_CVVSVM	159,97	156,72	165,26	162,20	153,11	147,79
6633	STRUT14_CVVSVM	101,88	100,47	103,80	102,45	97,62	95,73
6641	STRUT15_CVVSVM	221,53	216,05	230,79	225,64	211,21	201,89
6642	STRUT15_CVVSVM	160,07	156,87	165,21	162,21	153,17	148,02
6643	STRUT15_CVVSVM	102,03	100,67	103,82	102,52	97,73	95,99
6651	STRUT16_CVVSVM	224,18	220,21	232,27	228,34	214,21	209,93
6652	STRUT16_CVVSVM	161,80	159,44	166,27	163,93	155,06	152,73
6653	STRUT16_CVVSVM	102,93	101,89	104,43	103,38	98,63	98,00
6661	STRUT17_CVVSVM	224,50	220,56	232,52	228,61	214,46	210,28
6662	STRUT17_CVVSVM	163,00	160,71	167,14	164,87	155,94	154,03
6663	STRUT17_CVVSVM	105,80	104,77	107,01	105,96	100,81	100,63
6671	STRUT18_CVVSVM	225,83	222,01	233,47	229,66	215,35	211,91
6672	STRUT18_CVVSVM	165,15	162,96	168,89	166,71	157,57	156,29
6673	STRUT18_CVVSVM	107,83	106,81	108,86	107,82	102,42	102,55
6681	STRUT19_CVVSVM	226,48	222,67	234,05	230,25	215,87	212,56
6682	STRUT19_CVVSVM	168,67	166,47	172,24	170,03	160,38	159,49
6683	STRUT19_CVVSVM	112,72	111,64	113,57	112,45	106,28	106,85
6691	STRUT20_CVVSVM	230,11	225,64	237,08	232,66	215,71	215,23
6692	STRUT20_CVVSVM	171,64	169,12	174,79	172,28	161,24	161,95
6693	STRUT20_CVVSVM	114,25	113,04	114,97	113,72	106,93	108,14
6701	STRUT21_CVVSVM	230,50	226,05	237,42	233,01	216,05	215,63
6702	STRUT21_CVVSVM	174,07	171,59	176,99	174,50	163,21	164,26
6703	STRUT21_CVVSVM	118,15	116,96	118,49	117,26	110,04	111,74
6711	STRUT22_CVVSVM	233,23	229,12	240,34	236,18	219,22	216,65
6712	STRUT22_CVVSVM	176,49	174,19	179,40	177,05	165,72	165,77
6713	STRUT22_CVVSVM	119,45	118,31	119,80	118,60	111,30	112,63
6721	STRUT23_CVVSVM	233,43	229,33	240,51	236,37	219,40	216,86
6722	STRUT23_CVVSVM	177,39	175,10	180,20	177,86	166,46	166,61
6723	STRUT23_CVVSVM	120,85	119,72	121,05	119,86	112,42	113,92
6731	STRUT24_CVVSVM	233,38	229,13	240,59	236,34	219,00	216,50
6732	STRUT24_CVVSVM	177,50	175,14	180,38	177,98	166,38	166,54
6733	STRUT24_CVVSVM	120,97	119,80	121,22	120,00	112,47	113,94
7000	SOLGEN CELLS Mid low	396,22	396,22	380,64	380,64	371,13	386,50
7001	SOLGEN CELLS -Y low	375,64	375,61	360,94	360,91	351,81	366,35
7002	SOLGEN CELLS +Y low	375,71	375,70	360,99	360,98	351,90	366,47
7010	SOLGEN CELLS Mid cent	397,52	397,52	381,87	381,87	372,33	387,76
7011	SOLGEN CELLS -Y cent	376,49	376,49	361,68	361,68	352,64	367,25
7012	SOLGEN CELLS +Y cent	376,49	376,49	361,68	361,68	352,64	367,25



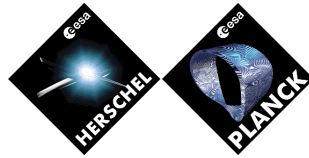
7020	SOLGEN CELLS Mid up	395,44	395,44	379,79	379,79	369,94	385,38
7021	SOLGEN CELLS -Y up	374,47	374,46	359,68	359,66	350,22	364,83
7022	SOLGEN CELLS +Y up	374,47	374,46	359,68	359,66	350,23	364,85
7050	SUNSHADE OSR Mid low	278,07	278,07	268,45	268,45	224,52	232,35
7051	SUNSHADE OSR -Y low	260,93	260,93	251,85	251,84	210,82	218,19
7052	SUNSHADE OSR +Y low	260,93	260,93	251,84	251,84	210,81	218,19
7053	SUNSHADE flap -Y	220,17	220,17	213,86	213,86	182,77	188,30
7054	SUNSHADE flap +Y	220,17	220,17	213,86	213,86	182,76	188,30
7060	SUNSHADE OSR Mid lcen	276,19	276,19	266,44	266,44	219,33	227,32
7061	SUNSHADE OSR -Y lcen	258,42	258,42	249,24	249,24	205,05	212,55
7062	SUNSHADE OSR +Y lcen	258,42	258,42	249,24	249,24	205,05	212,55
7070	SUNSHADE OSR Mid ucen	276,11	276,11	266,35	266,35	219,01	227,04
7071	SUNSHADE OSR -Y ucen	258,42	258,42	249,23	249,23	204,84	212,35
7072	SUNSHADE OSR +Y ucen	258,42	258,42	249,23	249,23	204,84	212,35
7080	SUNSHADE OSR Mid up	276,16	276,16	266,39	266,39	219,04	227,07
7081	SUNSHADE OSR -Y up	261,46	261,46	252,21	252,21	207,33	214,94
7082	SUNSHADE OSR +Y up	261,46	261,46	252,21	252,21	207,33	214,94
7100	SOLGEN MLI Mid low	269,35	269,24	259,52	259,39	252,09	262,37
7101	SOLGEN MLI -Y low	256,86	256,72	247,79	247,62	240,00	250,01
7102	SOLGEN MLI +Y low	256,45	256,31	247,36	247,17	239,88	249,74
7103	SOLGEN -x rib MLI +Z low	279,62	279,28	271,58	271,16	261,11	271,88
7104	SOLGEN -x rib MLI -Y low	266,72	266,35	275,28	274,91	246,90	259,21
7105	SOLGEN -x rib MLI +Y low	268,40	268,01	276,61	276,22	246,90	261,46
7106	SOLGEN -x rib MLI +Z up	268,74	268,70	258,44	258,38	251,57	261,88
7107	SOLGEN -x rib MLI -Y up	254,88	254,82	245,17	245,10	238,55	248,28
7108	SOLGEN -x rib MLI +Y up	255,01	254,96	245,26	245,21	238,68	248,48
7110	SOLGEN MLI Mid cent	268,14	268,09	257,88	257,81	251,05	261,31
7111	SOLGEN MLI -Y cent	254,58	254,52	244,93	244,85	238,34	248,00
7112	SOLGEN MLI +Y cent	254,47	254,41	244,79	244,72	238,23	247,95
7120	SOLGEN MLI Mid up	266,92	266,88	256,64	256,58	249,63	259,92
7121	SOLGEN MLI -Y up	253,58	253,52	243,90	243,82	237,07	246,78
7122	SOLGEN MLI +Y up	253,47	253,41	243,77	243,69	236,97	246,74
7130	SOLGEN MLI Mid up2	266,68	266,66	256,27	256,25	249,19	259,52
7131	SOLGEN MLI -Y up2	252,76	252,73	242,94	242,90	236,11	245,86
7132	SOLGEN MLI +Y up2	252,70	252,67	242,87	242,83	236,06	245,84
7133	SOLGEN +x rib MLI +Z low	268,47	268,40	258,24	258,15	251,06	261,38
7134	SOLGEN +x rib MLI -Y low	254,93	254,85	245,31	245,21	238,33	248,06
7135	SOLGEN +x rib MLI +Y low	254,93	254,85	245,27	245,17	238,32	248,12
7136	SOLGEN +x rib MLI +Z up	267,91	267,88	257,51	257,47	250,11	260,45
7137	SOLGEN +x rib MLI -Y up	253,70	253,66	243,88	243,83	236,79	246,56
7138	SOLGEN +x rib MLI +Y up	253,68	253,65	243,85	243,81	236,78	246,58
7140	SUNSHADE MLI Mid low2	201,56	201,50	194,77	194,70	166,87	172,69
7141	SUNSHADE MLI -Y low2	190,69	190,62	184,32	184,24	158,65	164,07
7142	SUNSHADE MLI +Y low2	190,45	190,38	184,08	184,00	158,34	163,90
7143	SSHADE rib MLI +Z low	199,89	199,80	193,22	193,12	168,16	174,11
7144	SSHADE rib MLI -Y low	188,76	188,66	182,58	182,45	159,37	164,85
7145	SSHADE rib MLI +Y low	188,67	188,57	182,47	182,34	159,22	164,87
7146	SSHADE rib MLI +Z up	193,95	193,91	187,39	187,33	159,15	164,71
7147	SSHADE rib MLI -Y up	181,92	181,88	175,76	175,71	149,54	154,74
7148	SSHADE rib MLI +Y up	181,76	181,71	175,59	175,54	149,29	154,53



7150	SUNSHADE MLI Mid low	201,00	200,96	194,18	194,13	164,81	170,56
7151	SUNSHADE MLI -Y low	188,98	188,94	182,57	182,52	155,38	160,77
7152	SUNSHADE MLI +Y low	188,96	188,91	182,54	182,49	155,35	160,81
7153	SUNSHADE flap MLI -Y	164,09	164,03	159,35	159,28	138,50	142,87
7154	SUNSHADE flap MLI +Y	163,93	163,87	159,18	159,12	138,32	142,73
7160	SUNSHADE MLI Mid lcen	195,85	195,83	189,03	189,00	157,08	162,76
7161	SUNSHADE MLI -Y lcen	183,87	183,85	177,46	177,43	147,83	153,16
7162	SUNSHADE MLI +Y lcen	183,80	183,77	177,39	177,36	147,77	153,16
7170	SUNSHADE MLI Mid ucen	191,91	191,91	185,13	185,13	152,33	157,91
7171	SUNSHADE MLI -Y ucen	179,87	179,87	173,50	173,49	142,79	148,01
7172	SUNSHADE MLI +Y ucen	179,88	179,88	173,50	173,50	142,78	148,02
7180	SUNSHADE MLI Mid up	191,67	191,67	184,90	184,90	152,07	157,65
7181	SUNSHADE MLI -Y up	181,63	181,63	175,21	175,21	144,09	149,38
7182	SUNSHADE MLI +Y up	181,63	181,63	175,21	175,21	144,10	149,38
7203	SShd SVM gapMLI mX	342,39	341,77	398,51	398,10	274,38	334,54
7204	SShd SVM gapMLI mY mX	310,79	310,18	384,10	383,76	221,57	303,15
7205	SShd SVM gapMLI pY mX	314,84	311,14	384,42	382,28	209,19	308,51
7206	SShd SVM gapMLI pX	265,86	265,17	299,52	299,00	223,41	258,78
7207	SShd SVM gapMLI mY pX	241,61	240,90	285,34	284,88	191,57	234,66
7208	SShd SVM gapMLI pY pX	244,00	241,59	286,01	284,42	186,70	238,13
8000	TELESCOPE M1 Mirror	86,82	86,65	84,44	84,24	77,70	80,13
8100	TELESCOPE M2 Mirror	86,48	86,31	84,14	83,94	77,45	79,85
8200	TELESCOPE Hexapod	86,52	86,35	84,17	83,97	77,48	79,88
8400	TEL-CVV I/F node	80,27	80,11	78,67	78,47	73,67	75,34
8501	TEL M1 MLI inner ring	131,96	131,68	128,46	128,11	121,44	125,57
8502	TEL M1 MLI inner ring	120,72	120,43	117,74	117,39	111,24	114,66
8503	TEL M1 MLI inner ring	99,10	98,85	96,74	96,45	91,26	93,70
8504	TEL M1 MLI inner ring	79,81	79,64	77,89	77,70	73,19	74,93
8505	TEL M1 MLI inner ring	77,56	77,40	75,66	75,46	70,92	72,93
8506	TEL M1 MLI inner ring	96,49	96,25	94,06	93,78	88,59	91,58
8507	TEL M1 MLI inner ring	119,09	118,81	116,06	115,71	109,65	113,44
8508	TEL M1 MLI inner ring	131,23	130,95	127,68	127,34	120,73	124,93
8511	TEL M1 MLI outer ring	128,94	128,75	125,14	124,90	114,62	118,56
8512	TEL M1 MLI outer ring	114,64	114,42	111,54	111,27	103,54	106,85
8513	TEL M1 MLI outer ring	83,78	83,57	81,84	81,58	76,40	78,57
8514	TEL M1 MLI outer ring	68,60	68,45	66,84	66,67	61,83	63,55
8515	TEL M1 MLI outer ring	67,91	67,77	66,16	65,99	61,12	62,95
8516	TEL M1 MLI outer ring	83,39	83,18	81,40	81,15	76,01	78,56
8517	TEL M1 MLI outer ring	114,22	114,00	111,12	110,85	103,04	106,66
8518	TEL M1 MLI outer ring	128,48	128,29	124,69	124,46	114,11	118,16
8550	TEL M1 MLI on cryo baf	88,90	88,71	86,55	86,32	80,71	83,09
9001	CVV CBs 1	70,89	70,66	70,45	70,21	67,89	68,29
9002	CVV CBs 2	71,17	70,96	70,76	70,52	68,28	68,46
9003	CVV CBs 3	69,56	69,35	69,16	68,93	66,78	67,11
9004	CVV CBs 4	69,23	69,03	68,87	68,65	66,60	66,92
9005	CVV CBs 5	69,28	69,08	68,92	68,71	66,68	66,98
9006	CVV CBs 6	68,43	68,22	68,03	67,80	65,66	66,07
9007	CVV CBs 7	70,40	70,18	69,98	69,75	67,51	67,83
9008	CVV CBs 8	70,81	70,58	70,37	70,13	67,82	68,19
9101	PACS int, harn, 11	16,13	16,12	16,07	16,06	15,88	4,57



9102	PACS int, harn, 11	15,51	15,51	15,47	15,47	15,36	6,88
9103	PACS int, harn, 11	14,75	14,76	14,74	14,74	14,70	8,51
9104	PACS int, harn, 11	14,30	14,31	14,30	14,30	14,31	9,21
9105	PACS int, harn, 11	19,66	19,65	19,62	19,60	19,39	16,48
9106	PACS int, harn, 11	27,40	27,36	27,31	27,27	26,80	25,56
9107	PACS int, harn, 11	33,37	33,31	33,24	33,18	32,53	32,23
9108	PACS int, harn, 11	35,96	35,90	35,82	35,75	35,03	35,11
9109	PACS int, harn, 11	43,23	43,13	43,02	42,92	41,85	41,98
9110	PACS int, harn, 11	55,55	55,39	55,24	55,07	53,41	53,66
9111	PACS int, harn, 11	66,09	65,88	65,69	65,47	63,36	63,70
9121	PACS int, harn, 13	19,11	19,11	19,06	19,06	18,90	4,54
9122	PACS int, harn, 13	20,40	20,40	20,37	20,37	20,28	6,86
9123	PACS int, harn, 13	17,97	17,97	17,96	17,96	17,93	8,49
9124	PACS int, harn, 13	14,32	14,32	14,31	14,32	14,33	9,19
9125	PACS int, harn, 13	29,11	29,10	29,08	29,07	28,94	16,23
9126	PACS int, harn, 13	38,85	38,83	38,79	38,76	38,47	25,03
9127	PACS int, harn, 13	39,23	39,18	39,13	39,08	38,58	31,49
9128	PACS int, harn, 13	35,16	35,10	35,03	34,97	34,30	34,28
9129	PACS int, harn, 13	42,79	42,70	42,60	42,49	41,47	41,35
9130	PACS int, harn, 13	55,42	55,27	55,12	54,95	53,33	53,27
9131	PACS int, harn, 13	66,05	65,84	65,65	65,43	63,33	63,51
9141	PACS int, harn, 15	17,48	17,48	17,43	17,42	17,25	4,59
9142	PACS int, harn, 15	17,83	17,83	17,80	17,80	17,69	6,93
9143	PACS int, harn, 15	16,36	16,36	16,34	16,34	16,30	8,57
9144	PACS int, harn, 15	14,53	14,53	14,52	14,53	14,53	9,27
9145	PACS int, harn, 15	26,86	26,85	26,83	26,81	26,67	16,26
9146	PACS int, harn, 15	35,99	35,96	35,93	35,90	35,57	25,06
9147	PACS int, harn, 15	37,58	37,53	37,47	37,42	36,90	31,54
9148	PACS int, harn, 15	35,23	35,17	35,10	35,03	34,36	34,33
9149	PACS int, harn, 15	42,82	42,72	42,62	42,52	41,52	41,33
9150	PACS int, harn, 15	55,31	55,16	55,01	54,85	53,27	53,11
9151	PACS int, harn, 15	65,75	65,55	65,37	65,15	63,12	63,22
9201	PACS int, harn, res,	16,38	16,37	16,31	16,30	16,08	2,51
9301	SPIRE int, harn, 3	24,84	24,80	24,76	24,71	24,25	18,15
9302	SPIRE int, harn, 3	31,82	31,75	31,69	31,62	30,91	26,99
9303	SPIRE int, harn, 3	37,49	37,40	37,33	37,24	36,35	33,52
9304	SPIRE int, harn, 3	40,02	39,92	39,84	39,74	38,77	36,34
9305	SPIRE int, harn, 3	43,17	43,06	42,97	42,86	41,76	39,74
9306	SPIRE int, harn, 3	49,06	48,93	48,82	48,68	47,36	45,95
9307	SPIRE int, harn, 3	54,51	54,36	54,24	54,08	52,55	51,64
9308	SPIRE int, harn, 3	57,09	56,94	56,81	56,64	55,01	54,34
9309	SPIRE int, harn, 3	59,24	59,08	58,94	58,76	57,06	56,57
9310	SPIRE int, harn, 3	63,38	63,20	63,05	62,85	61,01	60,86
9311	SPIRE int, harn, 3	67,32	67,13	66,97	66,76	64,77	64,95
9321	SPIRE int, harn, 11	17,62	17,61	17,53	17,52	17,20	5,16
9322	SPIRE int, harn, 11	16,97	16,96	16,91	16,90	16,69	7,33
9323	SPIRE int, harn, 11	15,89	15,89	15,86	15,86	15,76	8,92
9324	SPIRE int, harn, 11	15,11	15,11	15,09	15,10	15,07	9,61
9325	SPIRE int, harn, 11	21,38	21,36	21,33	21,31	21,08	16,96
9326	SPIRE int, harn, 11	29,35	29,31	29,25	29,21	28,73	26,18



9327	SPIRE int, harn, 11	34,77	34,72	34,65	34,58	33,91	32,96
9328	SPIRE int, harn, 11	36,80	36,74	36,66	36,58	35,82	35,88
9329	SPIRE int, harn, 11	43,54	43,44	43,35	43,25	42,22	42,24
9330	SPIRE int, harn, 11	55,02	54,87	54,75	54,59	53,10	53,18
9331	SPIRE int, harn, 11	64,83	64,65	64,50	64,30	62,44	62,65
9341	SPIRE int, harn, res,	17,76	17,74	17,65	17,64	17,26	3,43
9361	PM JFET int, hn, res,	20,46	20,43	20,40	20,37	20,08	11,22
9381	SM JFET int, hn, res,	17,63	17,62	17,60	17,58	17,43	11,31
9401	HIFI int, harn, 1	15,33	15,34	15,32	15,33	15,32	9,31
9402	HIFI int, harn, 1	15,58	15,59	15,58	15,58	15,58	9,28
9403	HIFI int, harn, 1	15,03	15,03	15,02	15,03	15,03	9,25
9404	HIFI int, harn, 1	14,32	14,33	14,31	14,32	14,33	9,23
9405	HIFI int, harn, 1	19,91	19,89	19,86	19,84	19,62	16,73
9406	HIFI int, harn, 1	27,91	27,86	27,81	27,76	27,27	26,02
9407	HIFI int, harn, 1	34,05	33,99	33,91	33,85	33,17	32,82
9408	HIFI int, harn, 1	36,71	36,65	36,56	36,49	35,73	35,75
9409	HIFI int, harn, 1	43,84	43,74	43,64	43,53	42,45	42,48
9410	HIFI int, harn, 1	56,00	55,85	55,70	55,53	53,91	54,00
9411	HIFI int, harn, 1	66,42	66,23	66,04	65,83	63,77	63,92
9421	HIFI int, harn, 2	19,53	19,53	19,52	19,53	19,52	9,32
9422	HIFI int, harn, 2	22,09	22,09	22,08	22,09	22,08	9,29
9423	HIFI int, harn, 2	19,30	19,31	19,30	19,30	19,30	9,26
9424	HIFI int, harn, 2	14,35	14,35	14,34	14,35	14,35	9,24
9425	HIFI int, harn, 2	20,21	20,19	20,16	20,15	19,93	16,68
9426	HIFI int, harn, 2	28,28	28,24	28,18	28,14	27,65	25,99
9427	HIFI int, harn, 2	34,25	34,20	34,12	34,06	33,38	32,83
9428	HIFI int, harn, 2	36,75	36,68	36,60	36,53	35,76	35,78
9429	HIFI int, harn, 2	44,00	43,90	43,80	43,69	42,60	42,54
9430	HIFI int, harn, 2	56,20	56,04	55,90	55,73	54,10	54,06
9431	HIFI int, harn, 2	66,52	66,32	66,14	65,92	63,87	63,95
9441	HIFI int, harn, 3	15,26	15,27	15,25	15,26	15,25	9,31
9442	HIFI int, harn, 3	15,47	15,47	15,46	15,46	15,46	9,28
9443	HIFI int, harn, 3	14,96	14,96	14,95	14,95	14,96	9,25
9444	HIFI int, harn, 3	14,32	14,32	14,31	14,32	14,33	9,23
9445	HIFI int, harn, 3	19,91	19,89	19,86	19,84	19,62	16,73
9446	HIFI int, harn, 3	27,90	27,86	27,81	27,76	27,27	26,02
9447	HIFI int, harn, 3	34,04	33,98	33,91	33,85	33,16	32,82
9448	HIFI int, harn, 3	36,71	36,64	36,56	36,49	35,73	35,75
9449	HIFI int, harn, 3	43,84	43,74	43,63	43,53	42,45	42,48
9450	HIFI int, harn, 3	56,00	55,85	55,70	55,53	53,91	54,00
9451	HIFI int, harn, 3	66,42	66,23	66,04	65,83	63,77	63,92
9461	HIFI int, harn, 4	19,12	19,12	19,11	19,12	19,11	9,32
9462	HIFI int, harn, 4	21,48	21,48	21,47	21,48	21,47	9,29
9463	HIFI int, harn, 4	18,89	18,89	18,88	18,89	18,89	9,26
9464	HIFI int, harn, 4	14,35	14,35	14,34	14,35	14,35	9,24
9465	HIFI int, harn, 4	20,22	20,20	20,17	20,15	19,93	16,68
9466	HIFI int, harn, 4	28,29	28,25	28,19	28,15	27,66	25,99
9467	HIFI int, harn, 4	34,26	34,20	34,13	34,06	33,38	32,83
9468	HIFI int, harn, 4	36,75	36,68	36,60	36,53	35,76	35,78
9469	HIFI int, harn, 4	44,00	43,90	43,80	43,69	42,60	42,54



9470	HIFI int, harn, 4	56,20	56,05	55,90	55,73	54,11	54,07
9471	HIFI int, harn, 4	66,52	66,32	66,14	65,92	63,87	63,95
9481	HIFI int, harn, 5	25,62	25,62	25,61	25,61	25,61	9,31
9482	HIFI int, harn, 5	30,74	30,74	30,74	30,74	30,74	9,27
9483	HIFI int, harn, 5	25,44	25,44	25,43	25,43	25,44	9,23
9484	HIFI int, harn, 5	14,32	14,33	14,32	14,32	14,33	9,21
9485	HIFI int, harn, 5	21,34	21,32	21,29	21,28	21,07	16,81
9486	HIFI int, harn, 5	29,60	29,56	29,50	29,46	28,99	26,07
9487	HIFI int, harn, 5	34,87	34,81	34,74	34,68	34,01	32,81
9488	HIFI int, harn, 5	36,68	36,61	36,53	36,46	35,70	35,71
9489	HIFI int, harn, 5	43,88	43,78	43,68	43,57	42,51	42,30
9490	HIFI int, harn, 5	56,09	55,94	55,79	55,62	54,03	53,76
9491	HIFI int, harn, 5	66,50	66,30	66,12	65,90	63,86	63,82
9521	HIFI int, harn, res,	14,80	14,80	14,79	14,79	14,77	9,33
9801	TS1 CB on strap 3	35,84	35,78	35,71	35,64	34,92	35,00
9802	TS2 CB on strap 4	36,58	36,51	36,43	36,36	35,61	35,64
9803	TS3 CB on strap 5	36,12	36,06	35,98	35,91	35,18	35,27
9804	TS4 CB on strap 6	35,79	35,73	35,65	35,58	34,87	34,97
9805	TS5 CB on strap 7	36,58	36,52	36,44	36,37	35,62	35,69
9806	TS6 CB on strap 8	35,47	35,41	35,33	35,27	34,57	34,66
9807	TS7 CB on strap 1	35,05	34,99	34,92	34,86	34,20	34,20
9808	TS8 CB on strap 2	34,98	34,93	34,85	34,79	34,13	34,14
NODE	LABEL	Case 1: T(K)	Case 2: T(K)	Case 3: T(K)	Case 4: T(K)	Case 5: T(K)	Case 6: T(K)
PACS thermal nodes							
711	Top Optic Housing	16,38	16,37	16,31	16,30	16,08	2,51
712	Spectrometer Housing	16,38	16,37	16,31	16,30	16,08	2,51
713	Collimator Housing	16,38	16,37	16,31	16,30	16,08	2,51
714	Photometer Housing	16,37	16,36	16,30	16,29	16,07	2,41
721	2K Feed-Through Red D	16,38	16,37	16,31	16,30	16,08	1,62
722	2K Feed-Through Blue D	16,38	16,37	16,31	16,30	16,08	1,67
723	2K StSt I/F Blue Det,	16,38	16,37	16,31	16,30	16,08	1,62
731	Grating Assy	16,38	16,37	16,31	16,30	16,08	2,51
741	Red Detector *	16,38	16,37	16,31	16,30	16,08	1,65
742	Red Detector CRE	16,38	16,37	16,31	16,30	16,08	2,51
743	CFRP-Strut Red Det,	16,38	16,37	16,31	16,30	16,08	2,08
744	Harness Red Det, Int	16,38	16,37	16,31	16,30	16,08	2,13
751	Blue Detector *	16,38	16,37	16,31	16,30	16,08	1,70
752	Blue Detector CRE	16,38	16,37	16,31	16,30	16,08	2,51
753	CFRP-Strut Blue Det,	16,38	16,37	16,31	16,30	16,08	2,11
754	Harness Blue Det, Int	16,38	16,37	16,31	16,30	16,08	2,15
761	Photometer Cooler Pump	16,37	16,36	16,30	16,29	16,07	1,61
762	Photometer Cooler Evap	16,37	16,36	16,30	16,29	16,07	1,61
763	Photometer Buffer *	16,37	16,36	16,30	16,29	16,07	1,64
771	CFRP-Strut (OB) 1	15,63	15,62	15,58	15,58	15,45	6,48
772	CFRP-Strut (OB) 2	15,54	15,54	15,50	15,50	15,37	6,40
773	CFRP-Strut (OB) 3	15,63	15,62	15,58	15,58	15,45	6,48
781	Level 1,1 I/F	16,37	16,36	16,30	16,29	16,07	2,23
782	Level 1,2 I/F	16,38	16,37	16,31	16,30	16,08	2,40
783	Level 1,3 I/F	16,38	16,37	16,31	16,30	16,08	2,46

NODE	LABEL	Case 1: T(K)	Case 2: T(K)	Case 3: T(K)	Case 4: T(K)	Case 5: T(K)	Case 6: T(K)
SPIRE thermal nodes							
800	L1 Strap IF1 @ SOB	17,76	17,75	17,66	17,64	17,26	3,32
801	PH_JFET_ENCLOSURE	20,44	20,42	20,38	20,36	20,06	11,20
802	SP_JFET_ENCLOSURE	17,63	17,62	17,59	17,58	17,42	11,31
803	FPU_OPTICAL_BENCH	17,76	17,75	17,66	17,64	17,26	3,39
804	RF_FILTER_BOXES	17,76	17,74	17,65	17,64	17,26	3,43
805	BSM	17,76	17,75	17,66	17,64	17,26	3,39
806	SMECM	17,76	17,75	17,66	17,64	17,26	3,39
807	PH_CALIB	17,76	17,75	17,66	17,64	17,26	3,39
808	SPEC_CALIB	17,76	17,75	17,66	17,64	17,26	3,39
809	PH_DETECTOR_ENCLOSURE	17,76	17,75	17,66	17,64	17,26	1,63
810	SP_DETECTOR_ENCLOSURE	17,76	17,75	17,66	17,64	17,26	1,62
811	L0 Enclosure Flexible S	17,76	17,75	17,66	17,64	17,26	1,62
812	L0 Pump Flexible Strap	17,76	17,75	17,66	17,64	17,26	1,61
813	L0 Evap Flexible Strap	17,76	17,75	17,66	17,64	17,26	1,61
814	L0 Enclosure External S	17,76	17,75	17,66	17,64	17,26	1,62
815	L0 Pump External Strap	17,76	17,75	17,66	17,64	17,26	1,61
816	L0 Evaporator External	17,76	17,75	17,66	17,64	17,26	1,61
817	COOLER_PUMP	17,76	17,75	17,66	17,64	17,26	1,71
818	COOLER_SHUNT	17,76	17,75	17,66	17,64	17,26	1,61
819	COOLER_EVAP	17,76	17,75	17,66	17,64	17,26	1,65
820	COOLER_EVAP_HS	17,76	17,75	17,66	17,64	17,26	1,61
821	COOLER_PUMP_HS	17,76	17,75	17,66	17,64	17,26	1,61
822	PH_DETECTORS	17,76	17,75	17,66	17,64	17,26	1,65
823	SP_DETECTORS	17,76	17,75	17,66	17,64	17,26	1,65
830	L1 Strap IF2 @ SOB	17,76	17,75	17,66	17,64	17,26	3,32
831	PH_L3 IF	20,44	20,42	20,38	20,36	20,06	11,10
832	SP_L3 IF	17,63	17,62	17,59	17,58	17,42	11,29
NODE	LABEL	Case 1: T(K)	Case 2: T(K)	Case 3: T(K)	Case 4: T(K)	Case 5: T(K)	Case 6: T(K)
HIFI thermal nodes							
910	HIFI_FPU_Main_structure	14,80	14,80	14,79	14,79	14,77	9,33
911	Calibration_source_assem	14,80	14,80	14,79	14,79	14,77	9,33
912	Focal_Plane_Chopper	14,80	14,80	14,79	14,79	14,77	9,33
913	Diplexer_Rooftop_Transla	14,80	14,80	14,79	14,79	14,77	9,33
914	Second_stage_amplifier	14,80	14,80	14,79	14,79	14,77	9,33
919	L2-boundary	14,79	14,80	14,78	14,79	14,77	9,34
920	Mixer_Sub_Assembly	14,80	14,80	14,79	14,79	14,77	9,30
921	First_stage_amplifier	14,80	14,80	14,79	14,79	14,77	9,30
922	EMC-filtering	14,80	14,80	14,79	14,79	14,77	9,30
925	Magnet_current_dissipati	14,80	14,80	14,79	14,79	14,77	7,31
930	Console_level1_decks	14,80	14,80	14,79	14,79	14,77	4,19
935	Magnet_current_dissipati	14,80	14,80	14,79	14,79	14,78	3,27
939	L1_boundary	14,80	14,80	14,79	14,79	14,77	4,17
940	Console_level0_decks	14,80	14,81	14,79	14,79	14,78	1,75
941	Mixer_Unit	14,80	14,81	14,79	14,79	14,78	1,75
942	Heater	14,80	14,81	14,79	14,79	14,78	1,75
943	LO-power	14,80	14,81	14,79	14,79	14,78	1,75
949	L0-boundary	14,80	14,81	14,79	14,79	14,78	1,75

NODE	LABEL	Case 1: T(K)	Case 2: T(K)	Case 3: T(K)	Case 4: T(K)	Case 5: T(K)	Case 6: T(K)
CCC thermal nodes							
4800	Cryostat Cover door	68,33	68,17	67,49	67,31	63,86	64,49
4801	Cover Heat Shield CHS	67,32	67,19	66,32	66,17	62,20	62,92
4802	Internal MLI -X side	67,53	67,39	66,56	66,40	62,55	63,25
4803	Internal MLI +X side	68,13	67,98	67,26	67,09	63,54	64,18
4810	Inlet Junction	68,24	68,08	67,38	67,20	63,70	64,34
4811	Outlet Junction	68,24	68,08	67,38	67,20	63,70	64,34
4820	Cover Dewar	4,20	4,20	4,20	4,20	4,20	4,20
4821	GHe cover dome inlet	5,00	5,00	5,00	5,00	5,00	5,00
4822	GHe cover shield outlet	5,00	5,00	5,00	5,00	5,00	5,00
4823	GHe cover dome outlet	5,00	5,00	5,00	5,00	5,00	5,00
NODE	LABEL	Case 1: T(K)	Case 2: T(K)	Case 3: T(K)	Case 4: T(K)	Case 5: T(K)	Case 6: T(K)
H-SVM thermal nodes							
4	VMC	307,21	290,83	320,40	304,51	273,10	267,90
5	SAS HOUSING +Z	298,28	292,51	314,68	308,50	282,27	276,65
6	SAS PYR +Z	302,29	296,67	317,62	311,64	285,72	280,69
7	SAS CHIP +Z	305,88	300,48	320,34	314,62	289,37	284,53
8	SAS BRACKET +Z	298,55	292,57	313,82	307,40	280,74	276,43
11	MGA+Z 1SUNSHIELD RING	385,80	359,79	399,25	375,25	336,15	370,56
12	MGA+Z 2aSUNSHIELD	384,62	358,53	398,31	374,23	335,15	369,46
13	MGA+Z 2bSUNSHIELD	379,04	373,25	372,83	366,43	351,70	369,14
14	MGA+Z 3aHORN	379,74	353,34	394,44	370,04	331,00	364,91
15	MGA+Z 3bHORN	372,64	344,70	386,47	360,23	323,25	356,42
16	MGA+Z SEPTUM	386,74	344,78	400,46	360,29	323,31	370,62
17	MGA+Z SUPPORT	357,73	333,80	370,94	348,33	313,52	339,72
18	MGA+Z LOAD	398,28	344,85	411,83	360,31	323,37	382,31
21	LGA+Z	363,92	352,76	368,78	358,04	306,29	352,78
22	LGA+Z SEPTUM	360,81	346,69	366,47	352,75	302,54	347,13
23	LGA+Z SUPPORT	344,09	331,53	351,60	339,35	294,35	325,13
24	LGA+Z LOAD	374,27	352,12	379,41	357,75	304,07	361,36
41	LGA-Z	241,72	210,62	246,77	217,04	217,09	230,06
42	LGA-Z SEPTUM	250,82	218,99	257,10	226,45	223,76	236,64
43	LGA-Z SUPPORT	261,06	236,07	269,86	245,66	237,66	241,72
44	LGA-Z LOAD	260,28	217,58	266,30	224,86	222,06	246,65
45	SAS HOUSING -Z	266,15	260,76	278,52	273,10	256,21	239,87
46	SAS PYR -Z	264,86	259,57	276,99	271,68	255,08	239,01
47	SAS CHIP -Z	263,04	257,88	274,82	269,66	253,45	237,77
48	SAS BRACKET -Z	270,47	264,74	283,70	277,89	259,84	242,72
49	WINDOW SREM	291,24	284,72	305,93	299,14	279,01	249,79
50	AAD OPTICAL1	336,77	337,47	334,26	332,85	328,27	306,81
51	AAD DISC1	343,66	344,32	339,71	338,39	333,17	314,47
52	AAD CHIP1	336,80	337,50	334,28	332,88	328,30	306,84
53	AAD OPTICAL2	336,80	337,51	334,27	332,87	328,32	306,84
54	AAD DISC2	343,72	344,37	339,74	338,42	333,22	314,51
55	AAD CHIP2	336,83	337,54	334,30	332,89	328,34	306,87
56	AAD HOUSING	328,58	329,35	327,71	326,19	322,58	297,64
57	AAD BRACKET	323,91	324,72	324,03	322,45	319,34	292,40
60	MLI TANK1	289,33	283,00	308,46	301,10	275,01	268,39



61	MLI TANK2	289,84	283,44	307,77	300,50	275,92	270,72
70	TANK1	289,33	285,72	308,46	301,10	285,70	285,66
71	TANK2	289,84	285,70	307,77	300,50	285,70	285,62
100	GYRO	320,22	320,12	322,58	320,19	315,05	289,15
101	RFDN	296,11	285,36	303,75	292,79	264,29	271,24
102	EPC1	305,06	289,23	314,97	299,61	260,18	282,75
103	EPC2	285,85	279,94	292,00	285,72	257,55	260,95
104	TRANSX1	305,59	296,92	313,61	304,95	272,93	284,08
105	TRANSX2	292,29	286,50	299,04	292,91	265,74	268,96
106	TWTA1	311,02	282,35	317,54	289,26	255,59	287,40
107	TWTA2	284,47	278,04	289,98	283,10	254,80	257,99
110	CRS1	307,51	301,14	317,28	310,66	288,41	288,13
111	CRS2	307,85	301,12	317,51	310,57	287,95	287,83
201	PCDU	294,36	290,23	304,15	299,72	283,37	275,75
202	CDMU	293,05	287,37	305,17	299,33	281,25	273,75
203	ACC	295,29	289,50	306,82	300,85	283,12	275,78
204	BATT	281,57	275,97	294,00	288,19	275,74	275,64
301	FPSPU1_2	297,14	287,70	307,83	298,65	283,60	245,56
303	FPDPU	297,28	288,05	307,67	298,75	284,00	248,33
304	FPBOLC	280,78	270,26	293,76	283,53	264,59	246,02
305	FPMECDEC	294,29	274,38	305,92	287,15	269,22	245,55
401	CCU	285,97	280,90	300,77	295,47	275,11	255,56
404	HSDCU	291,80	286,94	305,57	300,43	281,41	247,30
405	HSDPU	291,83	282,82	303,18	294,24	278,46	253,99
406	HSFCU	294,12	286,02	306,88	298,75	281,31	247,14
501	FHWOV	282,19	282,24	282,14	282,17	282,23	250,73
502	FHHRV	295,05	293,67	300,49	298,87	291,98	250,57
503	FHICU	292,91	291,62	297,94	296,47	290,03	246,53
504	FHFCU	286,00	284,50	291,50	289,77	282,64	250,73
506	FHWEV	288,60	287,10	294,00	292,24	285,26	250,72
507	FHIFV	276,41	274,93	281,55	279,86	273,08	256,45
508	IFV-HRV	288,32	286,32	295,42	293,12	283,83	250,85
509	IFV-WEV	288,50	286,58	295,37	293,16	284,20	250,83
510	WOV-WEV	287,25	285,14	294,82	292,42	282,52	251,12
511	HRV-HRH	289,09	286,27	297,58	294,49	282,71	252,30
601	FHWOH	282,05	282,06	282,05	282,06	282,10	250,72
602	FHWEH	287,60	284,70	293,72	290,73	281,57	250,63
603	FHHRH	295,36	292,73	300,25	297,51	289,42	250,73
604	FHLCU	289,78	287,35	296,70	294,05	284,17	250,73
605	FHLSU	294,88	293,43	298,38	296,81	291,57	250,56
606	FHIFH	283,53	281,05	291,30	288,56	277,89	260,58
607	IFH-HRH	288,03	284,95	296,67	293,37	281,04	252,31
608	IFH-WEH	288,20	285,11	296,56	293,28	281,22	252,15
609	WEH-WOH	287,41	284,58	294,58	291,61	281,06	251,80
701	RWL1	306,28	288,70	316,51	299,64	269,84	259,36
702	RWL2	304,52	286,84	316,05	299,26	270,10	257,83
703	RWL3	306,33	288,58	317,42	300,51	270,23	259,47
704	RWL4	306,13	288,08	317,03	299,84	270,85	258,15
705	RWL1_SUPP	298,35	283,96	306,96	293,00	262,74	255,05
706	RWL2_SUPP	297,01	282,68	306,93	293,16	263,88	254,39



707	RWL3_SUPP	298,54	284,01	307,93	293,93	263,75	255,43
708	RWL4_SUPP	299,89	284,94	310,01	295,67	265,26	255,78
710	STRMY CONE UPPER	148,78	147,31	289,52	289,25	108,71	131,36
711	STRMY CONE UPPER	148,84	147,36	283,74	283,46	108,72	131,39
712	STRMY CONE UPPER	148,85	147,37	279,53	279,24	108,72	131,40
713	STRMY CONE UPPER	148,81	147,33	276,80	276,51	108,71	131,39
714	STRMY CONE UPPER	148,29	146,83	291,30	291,04	108,62	131,06
715	STRMY CONE UPPER	148,32	146,85	284,66	284,38	108,63	131,08
716	STRMY CONE UPPER	148,33	146,86	279,15	278,87	108,63	131,09
717	STRMY CONE UPPER	148,32	146,85	275,87	275,58	108,62	131,09
718	STRMY CONE UPPER	147,62	146,17	291,94	291,69	108,47	130,65
719	STRMY CONE UPPER	147,61	146,16	284,94	284,68	108,47	130,65
720	STRMY CONE UPPER	147,62	146,17	277,97	277,70	108,46	130,66
721	STRMY CONE UPPER	147,64	146,19	274,09	273,82	108,46	130,68
722	STRMY CONE UPPER	146,93	145,50	291,85	291,61	108,27	130,22
723	STRMY CONE UPPER	146,86	145,44	284,33	284,10	108,23	130,18
724	STRMY CONE UPPER	146,85	145,43	276,10	275,85	108,22	130,18
725	STRMY CONE UPPER	146,91	145,48	271,78	271,53	108,23	130,22
726	STRMY CONE UPPER	146,35	144,95	291,57	291,36	108,04	129,87
727	STRMY CONE UPPER	146,16	144,77	283,36	283,16	107,92	129,74
728	STRMY CONE UPPER	146,11	144,72	274,30	274,10	107,88	129,71
729	STRMY CONE UPPER	146,20	144,81	269,71	269,49	107,91	129,77
730	STRPY CONE UPPER	148,82	147,34	276,72	276,43	108,72	131,41
731	STRPY CONE UPPER	148,85	147,37	279,43	279,14	108,73	131,43
732	STRPY CONE UPPER	148,84	147,36	283,58	283,29	108,73	131,42
733	STRPY CONE UPPER	148,79	147,31	289,35	289,07	108,71	131,38
734	STRPY CONE UPPER	148,33	146,86	275,80	275,52	108,64	131,12
735	STRPY CONE UPPER	148,34	146,87	279,04	278,76	108,64	131,13
736	STRPY CONE UPPER	148,33	146,86	284,57	284,30	108,64	131,11
737	STRPY CONE UPPER	148,30	146,83	291,16	290,90	108,63	131,08
738	STRPY CONE UPPER	147,68	146,22	274,01	273,74	108,49	130,73
739	STRPY CONE UPPER	147,64	146,19	277,83	277,56	108,48	130,70
740	STRPY CONE UPPER	147,62	146,17	284,79	284,54	108,47	130,68
741	STRPY CONE UPPER	147,62	146,17	291,80	291,55	108,47	130,67
742	STRPY CONE UPPER	147,01	145,58	271,78	271,52	108,29	130,32
743	STRPY CONE UPPER	146,91	145,48	276,00	275,75	108,25	130,25
744	STRPY CONE UPPER	146,87	145,45	284,21	283,97	108,23	130,22
745	STRPY CONE UPPER	146,90	145,48	291,74	291,51	108,23	130,23
746	STRPY CONE UPPER	146,44	145,03	269,80	269,56	108,06	129,96
747	STRPY CONE UPPER	146,22	144,82	274,32	274,11	107,93	129,81
748	STRPY CONE UPPER	146,15	144,76	283,29	283,09	107,89	129,76
749	STRPY CONE UPPER	146,23	144,84	291,48	291,29	107,92	129,81
750	STRMZ UPPER	146,96	145,54	301,21	300,99	108,26	130,24
751	STRMZ UPPER	147,14	145,71	304,19	303,98	108,32	130,35
752	STRMZ UPPER	147,13	145,70	304,15	303,94	108,31	130,35
753	STRMZ UPPER	146,93	145,51	301,12	300,91	108,22	130,23
754	STRMZ UPPER	147,28	145,85	301,63	301,40	108,36	130,44
755	STRMZ UPPER	147,39	145,95	304,56	304,34	108,39	130,50
756	STRMZ UPPER	147,38	145,94	304,53	304,31	108,38	130,50
757	STRMZ UPPER	147,26	145,83	301,53	301,30	108,34	130,43



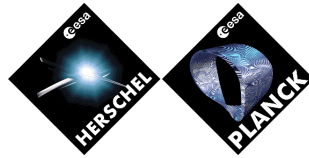
758	STRMZ UPPER	147,67	146,23	301,88	301,65	108,47	130,68
759	STRMZ UPPER	147,70	146,26	304,99	304,76	108,47	130,69
760	STRMZ UPPER	147,70	146,25	304,98	304,75	108,46	130,70
761	STRMZ UPPER	147,66	146,22	301,82	301,58	108,45	130,68
762	STRMZ UPPER	148,05	146,60	301,92	301,67	108,55	130,91
763	STRMZ UPPER	148,01	146,56	305,33	305,09	108,53	130,88
764	STRMZ UPPER	148,01	146,56	305,33	305,10	108,53	130,88
765	STRMZ UPPER	148,05	146,59	301,86	301,62	108,54	130,91
766	STRMZ UPPER	148,31	146,85	301,74	301,50	108,60	131,06
767	STRMZ UPPER	148,22	146,76	305,53	305,29	108,57	131,00
768	STRMZ UPPER	148,22	146,76	305,53	305,29	108,57	131,01
769	STRMZ UPPER	148,32	146,85	301,67	301,42	108,60	131,07
770	STRPZ UPPER	147,06	145,63	266,44	266,18	108,28	130,35
771	STRPZ UPPER	147,23	145,79	265,27	265,00	108,33	130,45
772	STRPZ UPPER	147,21	145,77	265,23	264,96	108,32	130,43
773	STRPZ UPPER	146,98	145,56	266,37	266,11	108,23	130,28
774	STRPZ UPPER	147,38	145,94	267,42	267,15	108,38	130,55
775	STRPZ UPPER	147,49	146,04	266,04	265,76	108,41	130,61
776	STRPZ UPPER	147,47	146,02	266,03	265,75	108,39	130,59
777	STRPZ UPPER	147,33	145,89	267,40	267,13	108,35	130,50
778	STRPZ UPPER	147,77	146,32	268,74	268,45	108,48	130,79
779	STRPZ UPPER	147,81	146,35	267,10	266,81	108,48	130,80
780	STRPZ UPPER	147,79	146,34	267,12	266,84	108,48	130,79
781	STRPZ UPPER	147,74	146,28	268,74	268,46	108,46	130,75
782	STRPZ UPPER	148,15	146,68	269,95	269,66	108,57	131,01
783	STRPZ UPPER	148,12	146,65	268,10	267,81	108,55	130,99
784	STRPZ UPPER	148,11	146,64	268,14	267,85	108,54	130,98
785	STRPZ UPPER	148,13	146,66	269,99	269,70	108,55	130,98
786	STRPZ UPPER	148,40	146,93	270,69	270,40	108,61	131,16
787	STRPZ UPPER	148,33	146,86	268,72	268,43	108,59	131,11
788	STRPZ UPPER	148,32	146,85	268,76	268,46	108,58	131,10
789	STRPZ UPPER	148,39	146,92	270,75	270,45	108,60	131,14
833	STRMY CYLINDER	208,78	207,96	270,39	269,91	157,64	182,55
834	STRMY CYLINDER	208,93	208,11	269,64	269,16	157,67	182,65
835	STRMY CYLINDER	208,94	208,13	268,75	268,27	157,67	182,64
836	STRMY CYLINDER	208,88	208,08	268,01	267,54	157,65	182,57
837	STRMY CYLINDER	209,70	208,88	270,25	269,78	157,73	183,08
838	STRMY CYLINDER	209,91	209,09	269,64	269,16	157,77	183,22
839	STRMY CYLINDER	209,91	209,10	268,84	268,36	157,77	183,20
840	STRMY CYLINDER	209,78	208,98	268,12	267,65	157,74	183,09
841	STRPY CYLINDER	209,10	208,29	268,10	267,62	157,64	182,57
842	STRPY CYLINDER	209,24	208,42	268,92	268,44	157,66	182,66
843	STRPY CYLINDER	209,22	208,40	269,69	269,22	157,66	182,67
844	STRPY CYLINDER	209,01	208,19	270,39	269,91	157,64	182,58
845	STRPY CYLINDER	210,05	209,25	268,28	267,80	157,73	183,10
846	STRPY CYLINDER	210,26	209,45	269,06	268,58	157,77	183,23
847	STRPY CYLINDER	210,23	209,42	269,80	269,32	157,77	183,24
848	STRPY CYLINDER	209,92	209,11	270,33	269,85	157,73	183,10
862	STRMZ LATERAL	208,77	207,97	267,60	267,13	157,62	182,47
863	STRMZ LATERAL	208,74	207,94	267,41	266,95	157,60	182,42



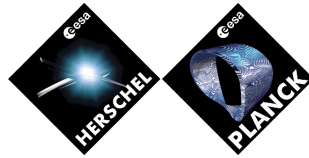
864	STRMZ LATERAL	208,77	207,98	267,43	266,96	157,60	182,41
865	STRMZ LATERAL	208,91	208,10	267,68	267,21	157,61	182,47
866	STRMZ LATERAL	209,58	208,78	267,75	267,29	157,70	182,93
867	STRMZ LATERAL	209,44	208,64	267,57	267,10	157,68	182,82
868	STRMZ LATERAL	209,49	208,69	267,59	267,12	157,67	182,82
869	STRMZ LATERAL	209,75	208,95	267,84	267,37	157,70	182,94
882	STRPZ LATERAL	208,64	207,82	271,04	270,56	157,61	182,44
883	STRPZ LATERAL	208,56	207,75	271,38	270,91	157,59	182,39
884	STRPZ LATERAL	208,58	207,77	271,37	270,90	157,59	182,38
885	STRPZ LATERAL	208,73	207,92	271,02	270,55	157,61	182,45
886	STRPZ LATERAL	209,42	208,60	270,78	270,31	157,69	182,89
887	STRPZ LATERAL	209,22	208,40	271,04	270,56	157,67	182,76
888	STRPZ LATERAL	209,24	208,42	271,04	270,57	157,67	182,76
889	STRPZ LATERAL	209,51	208,69	270,79	270,31	157,70	182,90
980	STRMY CONE LOW	146,08	144,69	292,27	292,08	107,89	129,69
981	STRMY CONE LOW	145,87	144,49	283,07	282,88	107,78	129,56
982	STRMY CONE LOW	145,82	144,45	273,37	273,17	107,74	129,53
983	STRMY CONE LOW	146,00	144,62	268,61	268,40	107,81	129,64
984	STRPY CONE LOW	146,15	144,76	268,71	268,49	107,90	129,77
985	STRPY CONE LOW	145,92	144,54	273,41	273,21	107,79	129,62
986	STRPY CONE LOW	145,86	144,49	282,99	282,80	107,76	129,58
987	STRPY CONE LOW	146,01	144,63	292,22	292,03	107,82	129,66
988	STRMZ LAT LOW	146,81	145,40	300,77	300,56	108,19	130,15
989	STRMZ LAT LOW	147,04	145,62	304,06	303,85	108,27	130,30
990	STRMZ LAT LOW	147,03	145,61	304,03	303,82	108,26	130,29
991	STRMZ LAT LOW	146,78	145,36	300,69	300,49	108,15	130,14
992	STRPZ LAT LOW	146,91	145,48	266,31	266,05	108,21	130,25
993	STRPZ LAT LOW	147,13	145,69	265,09	264,83	108,29	130,39
994	STRPZ LAT LOW	147,10	145,67	265,07	264,80	108,27	130,37
995	STRPZ LAT LOW	146,82	145,40	266,23	265,97	108,16	130,18
1001	MLI SVM Bot +Z	285,03	284,67	375,88	375,69	109,56	277,74
1002	MLI SVM Bot +Z	177,61	176,77	344,21	344,07	102,67	171,33
1003	MLI SVM Bot +Z	292,02	291,70	378,08	377,91	110,11	284,86
1004	MLI SVM Bot +Z	188,38	187,70	345,98	345,85	103,87	182,05
1005	MLI SVM Bot +Z	293,06	292,75	378,64	378,47	111,07	285,78
1006	MLI SVM Bot +Z	191,26	190,65	346,15	346,03	105,25	185,62
1007	MLI SVM Bot +Z	287,91	287,59	368,76	368,57	112,24	280,64
1008	MLI SVM Bot +Z	197,23	196,70	348,41	348,29	113,76	191,12
1011	MLI SVM Bot +Y+Z	263,50	263,10	340,45	340,23	107,97	256,74
1012	MLI SVM Bot +Y+Z	194,62	194,07	344,83	344,71	116,84	189,19
1013	MLI SVM Bot +Y+Z	228,18	227,67	354,88	354,72	103,37	222,14
1014	MLI SVM Bot +Y+Z	159,82	158,94	342,34	342,23	99,56	154,33
1015	MLI SVM Bot +Y+Z	226,44	225,92	354,59	354,43	103,87	220,21
1016	MLI SVM Bot +Y+Z	155,17	154,28	342,02	341,92	102,26	149,87
1017	MLI SVM Bot +Y+Z	250,38	249,94	362,11	361,94	109,41	243,99
1018	MLI SVM Bot +Y+Z	175,76	175,10	345,37	345,27	116,92	171,11
1021	MLI SVM Bot +Y	206,74	206,03	356,16	356,00	110,50	201,30
1022	MLI SVM Bot +Y	174,14	173,46	339,01	338,90	107,68	170,23
1023	MLI SVM Bot +Y	186,23	185,29	352,66	352,49	109,44	180,49
1024	MLI SVM Bot +Y	142,68	141,51	292,01	291,84	102,59	137,92



1025	MLI SVM Bot +Y	175,38	174,28	341,72	341,53	109,46	169,53
1026	MLI SVM Bot +Y	133,09	131,63	332,94	332,82	103,50	128,25
1027	MLI SVM Bot +Y	171,51	170,29	320,70	320,47	109,87	165,43
1028	MLI SVM Bot +Y	128,24	126,60	344,55	344,43	105,27	124,53
1031	MLI SVM Bot +Y-Z	135,05	132,22	294,86	294,53	107,11	124,82
1032	MLI SVM Bot +Y-Z	118,29	116,34	334,81	334,68	103,39	112,62
1033	MLI SVM Bot +Y-Z	124,00	120,67	305,78	305,51	102,85	111,87
1034	MLI SVM Bot +Y-Z	111,44	108,51	335,62	335,50	100,74	100,83
1035	MLI SVM Bot +Y-Z	123,51	120,04	291,05	290,73	103,42	110,38
1036	MLI SVM Bot +Y-Z	111,73	108,68	339,49	339,36	102,80	97,96
1037	MLI SVM Bot +Y-Z	127,91	124,36	234,83	234,15	107,26	114,34
1038	MLI SVM Bot +Y-Z	111,30	108,17	340,03	339,90	101,98	98,19
1039	MLI SVM Bot +Y-Z	130,04	126,78	177,14	175,62	108,96	116,27
1040	MLI SVM Bot +Y-Z	113,69	110,97	331,39	331,25	103,12	99,12
1041	MLI SVM Bot -Z	131,40	128,65	161,73	159,95	107,89	118,94
1042	MLI SVM Bot -Z	114,94	112,62	319,07	318,93	101,50	103,39
1043	MLI SVM Bot -Z	133,57	131,04	163,71	162,03	108,02	121,77
1044	MLI SVM Bot -Z	117,62	115,57	318,45	318,32	101,29	107,43
1051	MLI SVM Bot -Z-Y	141,27	139,37	183,58	182,50	108,60	131,16
1052	MLI SVM Bot -Z-Y	129,60	128,31	332,60	332,50	101,70	121,84
1053	MLI SVM Bot -Z-Y	144,73	143,12	243,30	242,87	107,89	135,58
1054	MLI SVM Bot -Z-Y	158,56	157,95	342,24	342,16	104,87	152,85
1055	MLI SVM Bot -Z-Y	136,44	134,84	293,59	293,38	104,42	126,98
1056	MLI SVM Bot -Z-Y	143,94	143,35	341,39	341,33	104,65	136,59
1057	MLI SVM Bot -Z-Y	131,40	129,63	305,97	305,79	104,32	121,47
1058	MLI SVM Bot -Z-Y	119,33	118,50	335,82	335,77	105,43	108,78
1059	MLI SVM Bot -Y	140,13	138,29	294,47	294,22	108,31	130,79
1060	MLI SVM Bot -Y	120,91	119,85	335,90	335,82	105,48	114,59
1061	MLI SVM Bot -Y	171,97	170,79	320,76	320,53	108,93	165,17
1062	MLI SVM Bot -Y	128,96	128,00	344,56	344,49	106,30	123,43
1063	MLI SVM Bot -Y	176,52	175,44	342,17	341,98	108,93	169,43
1064	MLI SVM Bot -Y	131,64	130,81	333,04	332,97	103,69	125,16
1065	MLI SVM Bot -Y	186,40	185,43	352,49	352,32	108,72	179,58
1066	MLI SVM Bot -Y	141,91	141,15	291,87	291,77	102,55	136,02
1067	MLI SVM Bot -Y	204,81	203,98	355,63	355,44	108,92	198,09
1068	MLI SVM Bot -Y	172,31	171,68	338,21	338,12	109,09	166,93
1071	MLI SVM Bot -Y+Z	250,77	250,15	365,69	365,46	108,59	243,76
1072	MLI SVM Bot -Y+Z	176,73	175,62	343,73	343,56	116,42	171,01
1073	MLI SVM Bot -Y+Z	225,95	225,20	355,25	355,03	102,73	219,15
1074	MLI SVM Bot -Y+Z	155,20	153,54	341,65	341,47	102,36	147,88
1075	MLI SVM Bot -Y+Z	227,17	226,43	356,24	356,03	102,19	220,21
1076	MLI SVM Bot -Y+Z	156,33	154,63	342,08	341,89	99,12	149,14
1077	MLI SVM Bot -Y+Z	262,70	262,15	368,43	368,21	106,69	255,52
1078	MLI SVM Bot -Y+Z	160,96	159,50	343,40	343,23	100,36	153,57
1501	RCS_INT_CONE	293,75	293,73	305,94	299,25	293,74	293,59
1502	RCS_INT_CONE	295,12	294,93	305,74	298,87	294,65	294,17
1503	RCS_INT_CONE	299,24	297,41	308,95	300,76	293,94	293,09
1504	RCS_INT_CONE	299,29	297,41	308,95	300,71	293,63	293,07
1505	RCS_INT_CONE	298,95	297,23	308,56	300,46	293,23	292,71
1506	RCS_INT_CONE	293,72	293,71	307,98	300,67	293,72	293,64



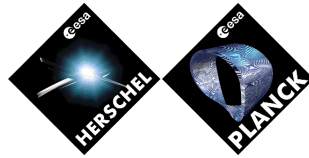
1507	RCS_INT_CONE	293,67	293,58	306,28	298,88	293,61	292,93
1508	RCS_INT_CONE	299,63	296,75	310,78	300,91	291,88	296,31
1509	RCS_INT_CONE	299,25	296,46	310,14	300,42	291,76	295,42
1510	RCS_INT_CONE	299,08	296,54	309,99	300,49	292,05	295,62
1511	RCS_INT_CONE	298,85	296,55	309,83	300,50	292,30	295,95
1512	RCS_INT_CONE	291,40	291,86	305,05	297,89	289,81	299,43
1513	RCS_INT_CONE	291,59	292,68	305,58	299,18	290,01	298,95
1514	RCS_INT_CONE	292,83	291,22	305,22	296,45	289,35	298,00
1521	RCS_SHEAR+Z+Y	298,48	294,37	311,49	304,35	296,52	296,34
1522	RCS_SHEAR+Z+Y	300,91	297,12	310,98	304,01	299,20	296,71
1523	RCS_SHEAR+Z+Y	298,67	293,73	309,98	302,24	293,75	293,57
1524	RCS_SHEAR+Z+Y	308,69	307,52	315,07	309,94	313,95	302,67
1531	RCS_SHEAR+Y+Z	297,42	296,80	305,27	298,14	295,09	294,58
1532	RCS_SHEAR+Y+Z	294,70	294,69	301,80	295,21	294,34	294,37
1533	RCS_SHEAR+Y+Z	293,74	293,73	301,52	294,93	293,72	293,65
1541	RCS_SHEAR+Y-Z	293,69	293,73	302,79	294,61	293,71	293,55
1542	RCS_SHEAR+Y-Z	293,42	294,44	301,37	293,83	295,44	296,80
1543	RCS_SHEAR+Y-Z	293,72	294,23	303,28	295,25	294,45	295,35
1550	PT	293,74	293,72	300,58	293,73	293,72	293,58
1551	LV1	296,79	299,02	303,75	298,77	298,69	295,89
1552	LV2	297,23	300,19	303,42	298,97	300,46	295,17
1553	LF	297,13	300,63	303,04	298,61	301,18	299,67
1554	RCS_SHEAR-Z+Y	292,88	292,66	302,71	294,45	292,80	299,10
1555	RCS_SHEAR-Z+Y	293,55	293,73	303,05	295,03	294,07	299,75
1556	RCS_SHEAR-Z+Y	294,05	294,37	303,48	295,74	294,75	297,95
1557	RCS_SHEAR-Z+Y	293,56	293,06	303,81	295,48	292,79	298,72
1558	RCS_SHEAR-Z+Y	293,34	292,90	304,22	296,14	292,47	296,98
1559	RCS_SHEAR-Z+Y	293,73	293,69	303,79	296,20	293,73	293,63
1561	RCS_EXT_CONE	302,39	301,12	313,33	305,68	297,44	292,76
1562	RCS_EXT_CONE	298,29	296,84	308,15	300,35	292,34	292,17
1563	RCS_EXT_CONE	293,76	293,75	305,86	299,19	293,80	293,66
1564	RCS_EXT_CONE	292,86	291,21	305,17	296,36	289,38	297,94
1565	RCS_EXT_CONE	291,37	291,76	304,99	297,83	289,70	299,04
1566	RCS_EXT_CONE	291,60	292,71	305,53	299,15	290,07	298,93
1567	RCS_EXT_CONE	293,75	293,77	307,94	300,63	293,85	293,78
1568	RCS_EXT_CONE	299,74	296,86	310,78	300,85	292,04	296,55
1571	RCS_SHEAR-Y-Z	292,44	293,48	305,05	298,69	290,19	298,39
1572	RCS_SHEAR-Y-Z	291,97	294,49	302,51	297,12	293,57	300,20
1573	RCS_SHEAR-Y-Z	291,59	294,40	301,85	296,86	294,04	299,56
1574	RCS_BOTTOM_FLOOR	290,52	292,22	303,49	297,79	290,51	296,08
1575	RCS_BOTTOM_FLOOR	294,51	297,52	305,41	300,69	296,16	307,67
1581	RCS_SHEAR-Y+Z	295,20	295,29	309,83	299,39	293,52	294,77
1582	RCS_SHEAR-Y+Z	295,17	295,07	307,41	295,82	294,52	295,88
1583	RCS_SHEAR-Y+Z	293,73	293,74	305,94	295,07	293,72	293,68
1591	RCS_SHEAR+Z-Y	304,47	293,75	317,34	303,70	293,71	293,68
1592	RCS_SHEAR+Z-Y	301,14	294,52	313,25	303,01	296,33	295,93
1601	SVM Bot Int +Z	301,02	292,66	316,19	307,84	275,02	270,99
1602	SVM Bot Int +Z	300,91	292,40	315,29	306,74	276,25	270,45
1603	SVM Bot Int +Z	301,94	294,54	316,43	308,81	277,79	273,15
1604	SVM Bot Int +Z	301,79	294,36	315,86	308,17	278,80	272,97



1605	SVM Bot Int +Z	302,54	295,74	316,55	309,36	279,62	274,37
1606	SVM Bot Int +Z	302,57	295,89	316,03	308,89	281,09	274,42
1607	SVM Bot Int +Z	301,98	295,54	315,74	308,85	279,56	274,76
1608	SVM Bot Int +Z	302,83	296,81	315,33	308,65	282,93	275,50
1611	SVM Bot Int +Y+Z	296,95	289,38	308,94	301,13	271,98	272,57
1612	SVM Bot Int +Y+Z	297,91	291,44	309,54	302,59	278,37	277,05
1613	SVM Bot Int +Y+Z	295,44	287,57	307,18	299,13	269,65	271,00
1614	SVM Bot Int +Y+Z	291,56	284,27	301,40	293,77	265,07	266,25
1615	SVM Bot Int +Y+Z	294,82	287,03	306,79	298,89	269,10	271,01
1616	SVM Bot Int +Y+Z	290,82	284,00	301,00	293,97	264,90	267,04
1617	SVM Bot Int +Y+Z	294,62	287,12	307,57	300,03	270,21	271,79
1618	SVM Bot Int +Y+Z	294,33	288,01	306,54	300,10	274,95	275,98
1621	SVM Bot Int +Y	289,51	283,25	305,40	299,20	273,16	269,14
1622	SVM Bot Int +Y	287,09	281,08	301,73	295,65	272,97	269,56
1623	SVM Bot Int +Y	288,80	282,71	304,57	298,50	274,31	268,79
1624	SVM Bot Int +Y	287,38	281,36	301,83	295,77	274,01	268,44
1625	SVM Bot Int +Y	289,12	282,96	304,87	298,75	274,88	268,23
1626	SVM Bot Int +Y	288,95	282,93	304,07	298,06	275,51	268,59
1627	SVM Bot Int +Y	289,01	282,35	305,22	298,63	274,25	266,26
1628	SVM Bot Int +Y	289,43	283,19	304,90	298,64	276,49	268,28
1631	SVM Bot Int +Y-Z	285,85	276,40	301,74	292,52	270,17	254,57
1632	SVM Bot Int +Y-Z	285,60	278,90	302,03	294,23	274,53	264,66
1633	SVM Bot Int +Y-Z	286,42	276,16	302,11	292,28	270,18	251,52
1634	SVM Bot Int +Y-Z	285,67	276,52	300,83	291,89	271,10	252,93
1635	SVM Bot Int +Y-Z	288,39	277,88	303,65	293,60	272,07	250,38
1636	SVM Bot Int +Y-Z	291,70	282,37	305,62	296,64	277,49	250,65
1637	SVM Bot Int +Y-Z	288,39	277,99	303,72	293,78	271,91	250,28
1638	SVM Bot Int +Y-Z	289,77	280,30	304,35	295,18	275,13	251,44
1639	SVM Bot Int +Y-Z	288,86	279,88	304,33	295,59	273,85	249,91
1640	SVM Bot Int +Y-Z	291,13	282,97	306,17	298,15	277,95	247,54
1641	SVM Bot Int -Z	285,82	278,53	302,50	295,17	272,10	251,70
1642	SVM Bot Int -Z	285,53	278,48	302,60	295,48	272,51	250,85
1643	SVM Bot Int -Z	285,22	278,37	302,27	295,32	271,76	252,44
1644	SVM Bot Int -Z	284,80	278,17	302,38	295,64	271,98	252,85
1651	SVM Bot Int -Z-Y	285,30	279,36	303,03	297,06	272,15	253,14
1652	SVM Bot Int -Z-Y	284,88	279,36	302,88	297,27	272,98	254,74
1653	SVM Bot Int -Z-Y	285,93	280,35	303,49	297,79	273,15	254,14
1654	SVM Bot Int -Z-Y	289,83	285,44	305,41	300,69	278,49	264,98
1655	SVM Bot Int -Z-Y	285,95	280,71	303,04	297,64	274,09	252,57
1656	SVM Bot Int -Z-Y	287,28	284,30	299,70	296,48	280,55	251,06
1657	SVM Bot Int -Z-Y	286,15	280,98	303,24	297,89	274,39	252,73
1658	SVM Bot Int -Z-Y	289,47	287,04	300,05	297,37	284,05	250,74
1659	SVM Bot Int -Y	285,81	280,24	303,80	298,12	272,89	254,35
1660	SVM Bot Int -Y	287,81	284,50	303,73	299,55	280,60	263,11
1661	SVM Bot Int -Y	287,00	280,70	305,32	299,10	271,11	255,45
1662	SVM Bot Int -Y	286,05	283,04	297,01	293,86	279,07	252,27
1663	SVM Bot Int -Y	286,63	280,99	303,05	297,40	272,70	254,19
1664	SVM Bot Int -Y	281,39	279,05	290,13	287,72	276,04	250,87
1665	SVM Bot Int -Y	287,14	281,16	303,52	297,57	272,38	254,90
1666	SVM Bot Int -Y	280,39	277,61	288,54	285,72	274,18	253,34



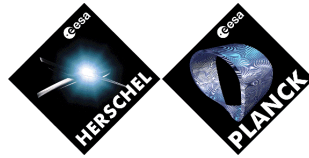
1667	SVM Bot Int -Y	289,62	281,90	307,68	300,25	270,28	256,84
1668	SVM Bot Int -Y	286,77	282,56	296,70	292,53	277,51	252,11
1671	SVM Bot Int -Y+Z	297,01	284,73	312,42	300,82	267,71	259,56
1672	SVM Bot Int -Y+Z	296,34	284,60	310,06	298,75	272,57	264,86
1673	SVM Bot Int -Y+Z	296,99	284,43	311,42	299,55	266,25	258,72
1674	SVM Bot Int -Y+Z	296,64	283,43	310,00	297,38	265,48	257,03
1675	SVM Bot Int -Y+Z	297,95	285,18	312,34	300,25	266,66	259,50
1676	SVM Bot Int -Y+Z	298,44	284,61	311,67	298,48	265,70	257,59
1677	SVM Bot Int -Y+Z	299,26	287,17	314,17	302,68	268,54	262,66
1678	SVM Bot Int -Y+Z	300,12	287,72	313,78	301,87	269,89	262,80
2000	Adapt Cone Ext +Z	316,95	311,52	354,21	349,61	259,62	293,10
2001	Adapt Cone Ext +Z+Y	305,05	299,58	345,34	340,75	258,97	282,51
2002	Adapt Cone Ext +Y	286,18	280,60	332,07	327,48	259,19	264,39
2003	Adapt Cone Ext +Y-Z	275,31	269,15	324,35	319,37	258,53	250,73
2004	Adapt Cone Ext -Z	274,15	268,27	323,74	318,98	258,33	249,42
2005	Adapt Cone Ext -Z-Y	275,14	269,48	324,69	320,12	258,29	250,34
2006	Adapt Cone Ext -Y	286,13	280,34	333,07	328,35	258,10	261,50
2007	Adapt Cone Ext -Y+Z	305,72	299,73	346,66	341,68	258,31	280,74
2010	Adapt Edge Ext +Z	316,08	310,65	354,19	349,60	259,52	292,31
2011	Adapt Edge Ext +Z+Y	304,70	299,23	345,48	340,89	258,94	282,19
2012	Adapt Edge Ext +Y	286,13	280,55	332,71	328,13	259,10	264,33
2013	Adapt Edge Ext +Y-Z	275,32	269,18	325,04	320,08	258,46	250,79
2014	Adapt Edge Ext -Z	274,16	268,27	324,03	319,28	258,30	249,43
2015	Adapt Edge Ext -Z-Y	275,16	269,50	325,37	320,81	258,22	250,38
2016	Adapt Edge Ext -Y	286,09	280,30	333,70	328,99	258,02	261,48
2017	Adapt Edge Ext -Y+Z	305,35	299,37	346,77	341,81	258,27	280,42
2020	Adapt Cylinder Ext +Z	315,88	310,44	353,89	349,29	259,53	292,10
2021	Adapt Cylinder Ext +Z+Y	304,63	299,16	345,34	340,76	258,96	282,11
2022	Adapt Cylinder Ext +Y	286,20	280,62	332,62	328,03	259,12	264,38
2023	Adapt Cylinder Ext +Y-Z	275,40	269,26	325,00	320,03	258,49	250,86
2024	Adapt Cylinder Ext -Z	274,19	268,30	324,02	319,27	258,31	249,46
2025	Adapt Cylinder Ext -Z-Y	275,24	269,57	325,33	320,76	258,24	250,45
2026	Adapt Cylinder Ext -Y	286,17	280,38	333,61	328,89	258,05	261,55
2027	Adapt Cylinder Ext -Y+Z	305,28	299,29	346,63	341,66	258,29	280,35
2050	Adapt Cone Covered Ext +	315,02	309,40	349,79	344,93	261,13	290,81
2051	Adapt Cone Covered Ext +	303,98	298,32	341,37	336,51	259,98	281,23
2052	Adapt Cone Covered Ext +	286,45	280,76	329,18	324,40	260,50	264,52
2053	Adapt Cone Covered Ext +	276,53	270,08	322,05	316,72	259,76	250,99
2054	Adapt Cone Covered Ext -	275,28	269,26	321,43	316,45	259,52	249,86
2055	Adapt Cone Covered Ext -	276,23	270,49	322,38	317,64	259,56	250,77
2056	Adapt Cone Covered Ext -	286,39	280,43	330,28	325,32	259,23	261,17
2057	Adapt Cone Covered Ext -	304,75	298,33	342,92	337,48	259,24	278,98
2100	Adapt Cone Int +Z	316,28	310,83	353,59	348,97	259,71	292,43
2101	Adapt Cone Int +Z+Y	304,80	299,32	345,09	340,49	259,03	282,26
2102	Adapt Cone Int +Y	286,24	280,65	332,02	327,41	259,28	264,42
2103	Adapt Cone Int +Y-Z	275,47	269,30	324,41	319,42	258,61	250,84
2104	Adapt Cone Int -Z	274,21	268,32	323,78	319,01	258,36	249,46
2105	Adapt Cone Int -Z-Y	275,30	269,62	324,75	320,17	258,38	250,45
2106	Adapt Cone Int -Y	286,21	280,40	333,02	328,28	258,18	261,52
2107	Adapt Cone Int -Y+Z	305,46	299,45	346,40	341,40	258,36	280,47



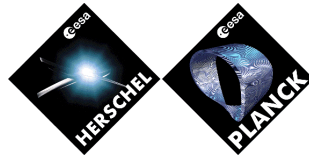
2110	Adapt Edge Int +Z	315,97	310,52	353,69	349,09	259,61	292,16
2111	Adapt Edge Int +Z+Y	304,68	299,20	345,21	340,62	258,99	282,14
2112	Adapt Edge Int +Y	286,22	280,63	332,36	327,77	259,19	264,39
2113	Adapt Edge Int +Y-Z	275,44	269,29	324,75	319,78	258,55	250,86
2114	Adapt Edge Int -Z	274,20	268,31	323,93	319,17	258,33	249,46
2115	Adapt Edge Int -Z-Y	275,28	269,61	325,09	320,51	258,31	250,45
2116	Adapt Edge Int -Y	286,19	280,39	333,36	328,63	258,11	261,53
2117	Adapt Edge Int -Y+Z	305,32	299,33	346,50	341,53	258,33	280,37
2120	Adapt Cyl Int +Z	315,85	310,40	353,71	349,11	259,57	292,05
2121	Adapt Cyl Int +Z+Y	304,63	299,15	345,25	340,66	258,98	282,10
2122	Adapt Cyl Int +Y	286,24	280,65	332,50	327,90	259,16	264,40
2123	Adapt Cyl Int +Y-Z	275,45	269,30	324,88	319,91	258,52	250,90
2124	Adapt Cyl Int -Z	274,20	268,32	323,98	319,22	258,32	249,47
2125	Adapt Cyl Int -Z-Y	275,29	269,62	325,22	320,64	258,28	250,48
2126	Adapt Cyl Int -Y	286,21	280,42	333,49	328,77	258,09	261,57
2127	Adapt Cyl Int -Y+Z	305,27	299,28	346,53	341,57	258,31	280,34
2150	Adapt Cone Covered Int +	314,99	309,37	349,74	344,88	261,15	290,78
2151	Adapt Cone Covered Int +	303,97	298,30	341,33	336,47	259,99	281,21
2152	Adapt Cone Covered Int +	286,46	280,76	329,16	324,38	260,51	264,53
2153	Adapt Cone Covered Int +	276,55	270,10	322,04	316,71	259,77	251,00
2154	Adapt Cone Covered Int -	275,29	269,27	321,43	316,45	259,53	249,87
2155	Adapt Cone Covered Int -	276,25	270,50	322,38	317,64	259,58	250,77
2156	Adapt Cone Covered Int -	286,39	280,44	330,26	325,31	259,24	261,17
2157	Adapt Cone Covered Int -	304,73	298,31	342,89	337,44	259,25	278,96
2200	RCS Panel MLI +Z	129,27	126,42	324,44	324,22	117,69	118,68
2201	RCS Panel MLI +Z+Y	128,33	125,49	329,36	329,16	117,51	118,31
2202	RCS Panel MLI +Y	126,89	124,17	339,55	339,39	117,57	117,12
2203	RCS Panel MLI +Y-Z	124,83	121,84	346,27	346,10	117,19	113,02
2204	RCS Panel MLI -Z	125,22	122,39	347,92	347,76	117,43	113,34
2205	RCS Panel MLI -Z-Y	125,44	122,79	346,18	346,03	117,10	113,79
2206	RCS Panel MLI -Y	127,05	124,24	340,14	339,97	117,09	115,84
2207	RCS Panel MLI -Y+Z	128,50	125,40	329,37	329,15	117,11	117,24
2208	RCS Panel MLI Central	108,45	106,00	338,69	338,59	99,47	98,95
2220	MLI Adapt Cyl Ext +Z	134,54	132,29	272,17	271,84	112,92	125,46
2221	MLI Adapt Cyl Ext +Z+Y	130,87	128,54	274,99	274,68	112,06	121,92
2222	MLI Adapt Cyl Ext +Y	126,69	124,36	310,61	310,42	112,26	117,88
2223	MLI Adapt Cyl Ext +Y-Z	125,21	122,78	396,98	396,88	111,66	115,40
2224	MLI Adapt Cyl Ext -Z	125,13	122,78	415,90	415,82	112,16	115,22
2225	MLI Adapt Cyl Ext -Z-Y	124,39	122,12	397,02	396,94	111,50	114,40
2226	MLI Adapt Cyl Ext -Y	127,14	124,75	311,05	310,85	111,84	117,24
2227	MLI Adapt Cyl Ext -Y+Z	132,11	129,61	276,55	276,22	112,44	122,27
2250	MLI Adapt Cone +Z	410,14	410,04	410,86	410,73	117,87	400,80
2251	MLI Adapt Cone +Z+Y	377,91	377,79	376,68	376,53	118,84	369,25
2252	MLI Adapt Cone +Y	251,28	250,92	308,46	308,21	118,48	245,15
2253	MLI Adapt Cone +Y-Z	128,10	125,20	228,55	227,92	116,93	116,61
2254	MLI Adapt Cone -Z	131,45	129,09	180,74	179,64	116,39	120,60
2255	MLI Adapt Cone -Z-Y	144,71	143,09	232,98	232,48	117,98	136,12
2256	MLI Adapt Cone -Y	250,49	250,10	309,26	309,00	118,35	243,92
2257	MLI Adapt Cone -Y+Z	377,24	377,08	386,61	386,44	118,10	368,51
2400	RCS Panel Int +Z	289,85	282,54	314,92	308,30	265,14	262,96



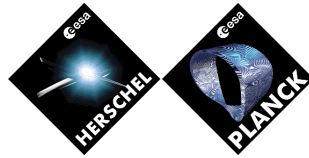
2401	RCS Panel Int +Z+Y	287,63	280,41	313,32	306,83	264,50	261,97
2402	RCS Panel Int +Y	283,64	276,59	312,11	305,94	264,82	258,35
2403	RCS Panel Int +Y-Z	280,66	272,98	311,11	304,55	263,86	251,45
2404	RCS Panel Int -Z	280,74	273,40	310,53	304,16	264,29	251,17
2405	RCS Panel Int -Z-Y	280,23	273,28	311,33	305,35	263,71	250,79
2406	RCS Panel Int -Y	283,33	276,04	313,07	306,73	263,37	254,50
2407	RCS Panel Int -Y+Z	287,81	279,90	314,22	307,20	263,59	259,22
2408	RCS Panel Central Int	286,44	278,87	310,17	303,22	267,05	257,77
2500	SVM Cone +Z Int	297,55	289,92	312,15	304,35	275,22	268,97
2501	SVM Cone +Z+Y Int	295,21	287,07	308,95	300,76	272,09	269,94
2502	SVM Cone +Y Int	291,27	284,53	305,74	298,87	274,82	267,79
2503	SVM Cone +Y-Z Int	287,48	278,11	304,08	295,05	270,42	254,77
2504	SVM Cone -Z Int	286,64	279,11	304,39	296,91	271,33	254,81
2505	SVM Cone -Z-Y Int	286,58	279,99	304,66	298,10	271,56	254,46
2506	SVM Cone -Y Int	289,38	281,97	306,28	298,88	270,65	258,85
2507	SVM Cone -Z+Y Int	294,63	285,11	309,83	300,50	269,68	262,38
2510	SVM Cone +Z Int	297,90	290,35	312,48	304,75	275,75	269,24
2511	SVM Cone +Z+Y Int	295,26	287,08	308,95	300,71	271,78	269,92
2512	SVM Cone +Y Int	290,88	284,11	305,66	298,83	274,56	267,30
2513	SVM Cone +Y-Z Int	287,97	278,49	304,57	295,46	270,82	254,81
2514	SVM Cone -Z Int	286,83	279,41	304,63	297,24	271,61	254,92
2515	SVM Cone -Z-Y Int	287,02	280,47	305,09	298,58	272,10	254,84
2516	SVM Cone -Y Int	289,36	281,85	306,67	299,26	270,55	258,29
2517	SVM Cone -Z+Y Int	294,86	285,10	309,99	300,49	269,44	262,05
2520	SVM Cone +Z Int	298,07	290,59	312,71	305,03	276,05	269,41
2521	SVM Cone +Z+Y Int	294,92	286,90	308,56	300,46	271,38	269,57
2522	SVM Cone +Y Int	290,46	283,75	305,63	298,87	274,30	267,15
2523	SVM Cone +Y-Z Int	288,13	278,74	304,80	295,76	271,15	254,70
2524	SVM Cone -Z Int	286,91	279,63	304,79	297,51	271,86	255,24
2525	SVM Cone -Z-Y Int	287,10	280,61	305,27	298,80	272,29	255,18
2526	SVM Cone -Y Int	289,46	281,94	307,28	299,88	270,57	258,53
2527	SVM Cone -Z+Y Int	295,03	285,02	310,14	300,42	269,15	261,85
2530	SVM Cone +Z Int	298,31	290,89	313,26	305,63	275,96	270,03
2531	SVM Cone +Z+Y Int	294,28	286,65	308,21	300,42	270,88	269,37
2532	SVM Cone +Y Int	289,90	283,33	305,94	299,25	273,91	267,21
2533	SVM Cone +Y-Z Int	288,17	279,18	305,22	296,45	271,74	255,45
2534	SVM Cone -Z Int	286,73	279,77	305,05	297,89	272,14	256,73
2535	SVM Cone -Z-Y Int	286,94	280,64	305,58	299,18	272,40	256,41
2536	SVM Cone -Y Int	289,47	282,19	307,98	300,67	270,96	259,85
2537	SVM Cone -Z+Y Int	295,40	285,31	310,78	300,91	269,26	262,74
2540	SVM Cone +Z Int	300,08	292,96	317,06	309,95	273,69	272,72
2541	SVM Cone +Z+Y Int	294,89	287,59	311,27	304,12	268,56	270,26
2542	SVM Cone +Y Int	289,05	282,43	308,37	302,01	271,36	266,00
2543	SVM Cone +Y-Z Int	286,74	277,95	307,02	298,85	270,04	253,42
2544	SVM Cone -Z Int	284,96	277,84	306,78	300,00	269,63	253,99
2545	SVM Cone -Z-Y Int	285,34	278,95	307,22	301,13	270,20	254,56
2546	SVM Cone -Y Int	288,81	281,55	310,35	303,49	268,67	258,82
2547	SVM Cone -Z+Y Int	296,52	286,62	314,38	305,08	267,23	264,13
2600	SVM Cone +Z Ext	297,59	289,96	312,17	304,37	275,25	269,00
2601	SVM Cone +Z+Y Ext	295,23	287,09	308,95	300,75	272,10	269,97



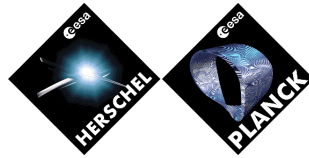
2602	SVM Cone +Y Ext	291,28	284,54	305,73	298,86	274,83	267,81
2603	SVM Cone +Y-Z Ext	287,49	278,11	304,07	295,02	270,43	254,76
2604	SVM Cone -Z Ext	286,64	279,11	304,38	296,89	271,34	254,80
2605	SVM Cone -Z-Y Ext	286,58	280,00	304,64	298,09	271,57	254,45
2606	SVM Cone -Y Ext	289,38	281,97	306,27	298,87	270,65	258,84
2607	SVM Cone -Z+Y Ext	294,65	285,11	309,83	300,49	269,68	262,37
2610	SVM Cone +Z Ext	298,03	290,47	312,54	304,80	275,85	269,33
2611	SVM Cone +Z+Y Ext	295,34	287,13	308,92	300,66	271,80	270,00
2612	SVM Cone +Y Ext	290,89	284,14	305,61	298,80	274,61	267,36
2613	SVM Cone +Y-Z Ext	288,00	278,47	304,52	295,36	270,84	254,76
2614	SVM Cone -Z Ext	286,84	279,42	304,58	297,19	271,65	254,89
2615	SVM Cone -Z-Y Ext	287,03	280,50	305,05	298,56	272,15	254,82
2616	SVM Cone -Y Ext	289,36	281,85	306,63	299,22	270,56	258,27
2617	SVM Cone -Z+Y Ext	294,92	285,11	309,99	300,44	269,42	262,02
2620	SVM Cone +Z Ext	298,21	290,72	312,77	305,09	276,16	269,50
2621	SVM Cone +Z+Y Ext	294,98	286,95	308,52	300,41	271,39	269,64
2622	SVM Cone +Y Ext	290,48	283,77	305,57	298,83	274,36	267,21
2623	SVM Cone +Y-Z Ext	288,16	278,73	304,75	295,67	271,18	254,65
2624	SVM Cone -Z Ext	286,91	279,64	304,74	297,46	271,90	255,21
2625	SVM Cone -Z-Y Ext	287,11	280,63	305,22	298,78	272,34	255,15
2626	SVM Cone -Y Ext	289,47	281,94	307,24	299,84	270,58	258,51
2627	SVM Cone -Z+Y Ext	295,10	285,03	310,14	300,36	269,12	261,81
2630	SVM Cone +Z Ext	298,44	291,02	313,33	305,68	276,08	270,13
2631	SVM Cone +Z+Y Ext	294,34	286,69	308,15	300,35	270,89	269,45
2632	SVM Cone +Y Ext	289,91	283,35	305,86	299,19	273,97	267,28
2633	SVM Cone +Y-Z Ext	288,20	279,17	305,17	296,36	271,77	255,40
2634	SVM Cone -Z Ext	286,74	279,79	304,99	297,83	272,19	256,72
2635	SVM Cone -Z-Y Ext	286,94	280,67	305,53	299,15	272,46	256,39
2636	SVM Cone -Y Ext	289,47	282,20	307,94	300,63	270,97	259,83
2637	SVM Cone -Z+Y Ext	295,48	285,33	310,78	300,85	269,25	262,72
2640	SVM Cone +Z Ext	300,20	293,07	317,09	309,97	273,80	272,79
2641	SVM Cone +Z+Y Ext	294,93	287,61	311,17	304,01	268,57	270,31
2642	SVM Cone +Y Ext	289,05	282,45	308,28	301,93	271,42	266,06
2643	SVM Cone +Y-Z Ext	286,78	277,96	306,95	298,75	270,09	253,36
2644	SVM Cone -Z Ext	284,97	277,85	306,70	299,93	269,68	253,97
2645	SVM Cone -Z-Y Ext	285,35	278,98	307,15	301,08	270,25	254,54
2646	SVM Cone -Y Ext	288,82	281,56	310,29	303,43	268,70	258,79
2647	SVM Cone -Z+Y Ext	296,59	286,63	314,36	304,99	267,22	264,09
2701	I/F CVV	296,85	289,38	311,09	303,42	274,84	268,70
2702	I/F CVV	294,11	286,07	307,70	299,61	271,07	269,08
2703	I/F CVV	290,21	283,50	304,45	297,64	273,57	266,98
2704	I/F CVV	289,70	282,89	304,18	297,28	273,45	266,05
2705	I/F CVV	286,31	276,89	302,71	293,65	269,33	253,61
2706	I/F CVV	286,21	276,97	302,66	293,73	269,47	253,52
2707	I/F CVV	285,35	278,88	303,22	296,78	270,64	253,27
2708	I/F CVV	285,39	278,92	303,32	296,89	270,61	253,59
2709	I/F CVV	286,62	279,39	303,46	296,25	268,41	256,30
2710	I/F CVV	288,51	281,02	305,18	297,73	269,58	257,96
2711	I/F CVV	293,67	284,09	308,74	299,38	268,63	261,39
2712	I/F CVV	296,53	288,79	311,01	303,14	273,93	267,88



2713	I/F SH1 SSH BRACKETS -Y	295,16	288,09	309,91	302,89	275,67	265,66
2714	I/F SH2 SSH BRACKETS +Y	296,80	290,46	309,26	302,83	279,46	274,19
2715	I/F SSH STRUTS +Y	303,27	297,52	311,10	305,16	283,74	283,81
2716	I/F SSH STRUTS -Y	310,34	298,99	318,06	307,02	279,99	274,98
2717	I/F SSH STRUTS -Y	303,06	294,61	311,13	302,79	282,09	266,77
2718	I/F R1 SVM SHIELD +Y	293,07	287,80	303,74	298,23	278,59	273,47
2719	I/F T1 SVM SHIELD +Y	291,30	286,30	302,51	297,27	278,67	271,69
2720	I/F T2 SVM SHIELD +Y	287,79	279,87	300,57	292,66	273,33	261,79
2721	I/F T3 SVM SHIELD -Z	287,81	278,54	301,72	292,42	273,00	252,08
2722	I/F T4 SVM SHIELD -Z	287,78	282,39	302,62	297,00	276,28	248,65
2723	I/F T5 SVM SHIELD -Y	286,31	281,83	298,98	294,25	275,88	253,79
2724	I/F T6 SVM SHIELD -Y	287,02	282,95	295,99	291,77	277,42	250,82
2725	I/F R2 SVM SHIELD -Y	291,75	286,51	300,91	295,58	279,48	254,10
2726	I/F SS1 SVM SHIELD +Y	289,61	282,80	304,08	297,19	273,37	265,97
2727	I/F SS2 SVM SHIELD +Y-Z	286,22	276,80	302,61	293,55	269,25	253,54
2728	I/F SS3 SVM SHIELD -Y-Z	285,30	278,84	303,22	296,79	270,53	253,52
2729	I/F SS4 SVM SHIELD -Y	286,53	279,30	303,36	296,16	268,33	256,22
2730	I/F SS5 SVM SHIELD -Z	285,24	278,77	303,09	296,66	270,54	253,18
2731	I/F SS6 SVM SHIELD -Z	286,10	276,86	302,53	293,61	269,37	253,43
3001	OSR Rad +Z	299,68	293,41	308,23	301,29	277,39	275,18
3002	OSR Rad +Z	302,50	296,43	311,82	305,03	281,54	277,56
3003	OSR Rad +Z	304,86	299,00	315,21	308,58	284,74	278,37
3004	OSR Rad +Z	305,32	299,30	316,47	309,75	284,93	278,22
3005	OSR Rad +Z	305,01	298,61	316,86	309,89	283,74	277,53
3006	OSR Rad +Z	304,59	297,82	316,92	309,69	282,48	276,80
3007	OSR Rad +Z	304,19	296,99	316,86	309,31	281,20	275,96
3008	OSR Rad +Z	303,89	296,26	316,72	308,82	280,13	275,10
3009	OSR Rad +Z	303,63	295,42	316,45	308,08	278,97	273,90
3010	OSR Rad +Z	303,40	294,40	316,01	306,93	277,58	272,26
3011	OSR Rad +Z	303,14	292,57	315,16	304,66	275,09	269,27
3012	OSR Rad +Z	302,76	291,26	314,25	302,88	273,11	267,03
3013	OSR Rad +Z	301,94	295,71	309,73	302,73	280,27	276,84
3014	OSR Rad +Z	304,41	298,70	312,44	305,85	284,83	278,65
3015	OSR Rad +Z	306,43	300,99	315,65	309,29	287,59	279,48
3016	OSR Rad +Z	306,21	300,40	316,76	310,17	286,40	278,89
3017	OSR Rad +Z	305,44	299,14	316,92	310,00	284,44	277,93
3018	OSR Rad +Z	304,80	298,05	316,87	309,63	282,77	277,03
3019	OSR Rad +Z	304,35	297,17	316,77	309,21	281,43	276,18
3020	OSR Rad +Z	304,05	296,43	316,62	308,71	280,33	275,31
3021	OSR Rad +Z	303,83	295,66	316,37	308,00	279,25	274,22
3022	OSR Rad +Z	303,60	294,61	315,89	306,79	277,85	272,56
3023	OSR Rad +Z	303,31	292,90	315,05	304,65	275,54	269,82
3024	OSR Rad +Z	303,06	291,70	314,36	303,09	273,74	267,70
3025	OSR Rad +Z	302,64	296,27	309,28	302,04	280,35	276,71
3026	OSR Rad +Z	306,75	301,47	313,56	307,22	287,96	279,96
3027	OSR Rad +Z	308,72	303,92	316,74	310,81	291,25	280,92
3028	OSR Rad +Z	307,34	301,85	317,19	310,81	288,31	279,61
3029	OSR Rad +Z	305,92	299,74	316,99	310,13	285,29	278,25
3030	OSR Rad +Z	304,98	298,26	316,76	309,53	283,12	277,15
3031	OSR Rad +Z	304,42	297,24	316,59	309,02	281,59	276,23



3032	OSR Rad +Z	304,10	296,48	316,44	308,52	280,43	275,36
3033	OSR Rad +Z	303,92	295,77	316,21	307,84	279,38	274,32
3034	OSR Rad +Z	303,72	294,75	315,75	306,66	278,02	272,67
3035	OSR Rad +Z	303,25	292,88	314,71	304,33	275,53	269,72
3036	OSR Rad +Z	302,51	291,21	313,48	302,23	272,92	266,92
3037	OSR Rad +Z	304,09	297,21	310,32	302,56	281,14	277,88
3038	OSR Rad +Z	308,12	302,78	314,58	308,09	289,21	280,84
3039	OSR Rad +Z	309,79	305,13	317,37	311,51	292,51	281,53
3040	OSR Rad +Z	307,93	302,52	317,42	311,07	289,01	279,96
3041	OSR Rad +Z	306,25	300,11	317,03	310,17	285,69	278,44
3042	OSR Rad +Z	305,13	298,42	316,70	309,45	283,28	277,23
3043	OSR Rad +Z	304,50	297,32	316,49	308,90	281,64	276,26
3044	OSR Rad +Z	304,17	296,55	316,33	308,39	280,43	275,38
3045	OSR Rad +Z	304,00	295,85	316,12	307,74	279,32	274,34
3046	OSR Rad +Z	303,85	294,88	315,67	306,57	277,86	272,69
3047	OSR Rad +Z	303,54	293,12	314,69	304,27	275,41	269,77
3048	OSR Rad +Z	302,82	291,39	313,57	302,19	272,80	266,93
3049	OSR Rad +Z	305,81	298,13	312,51	303,99	281,95	279,86
3050	OSR Rad +Z	307,98	301,89	314,84	307,70	287,56	281,00
3051	OSR Rad +Z	308,92	303,71	317,09	310,77	290,07	280,96
3052	OSR Rad +Z	307,61	301,97	317,33	310,77	287,79	279,71
3053	OSR Rad +Z	306,31	300,09	317,04	310,12	285,27	278,46
3054	OSR Rad +Z	305,28	298,56	316,76	309,48	283,07	277,31
3055	OSR Rad +Z	304,65	297,46	316,55	308,94	281,41	276,33
3056	OSR Rad +Z	304,30	296,66	316,38	308,42	280,13	275,41
3057	OSR Rad +Z	304,18	296,00	316,22	307,82	278,97	274,40
3058	OSR Rad +Z	304,07	295,06	315,80	306,66	277,33	272,75
3059	OSR Rad +Z	303,94	293,41	315,13	304,61	275,15	269,95
3060	OSR Rad +Z	303,83	292,18	314,55	302,99	273,32	267,77
3061	OSR Rad +Z	305,64	296,28	312,90	302,91	278,02	280,18
3062	OSR Rad +Z	306,79	299,50	314,56	306,43	283,06	280,47
3063	OSR Rad +Z	307,75	301,71	316,26	309,28	286,53	280,32
3064	OSR Rad +Z	307,24	301,28	316,97	310,17	286,01	279,46
3065	OSR Rad +Z	306,34	300,05	317,12	310,13	284,16	278,47
3066	OSR Rad +Z	305,41	298,66	316,95	309,66	282,12	277,34
3067	OSR Rad +Z	304,75	297,53	316,76	309,12	280,40	276,30
3068	OSR Rad +Z	304,41	296,71	316,58	308,57	279,01	275,33
3069	OSR Rad +Z	304,34	296,12	316,45	308,01	277,77	274,40
3070	OSR Rad +Z	304,28	295,24	315,89	306,73	276,04	272,83
3071	OSR Rad +Z	304,10	293,45	315,37	304,74	273,96	269,81
3072	OSR Rad +Z	303,80	292,01	314,55	302,86	272,03	267,28
3101	OSR Rad +Y+Z	288,23	283,15	293,51	288,15	261,00	264,87
3102	OSR Rad +Y+Z	284,41	279,47	289,17	283,96	257,01	260,41
3103	OSR Rad +Y+Z	281,66	276,59	286,22	280,87	253,32	256,80
3104	OSR Rad +Y+Z	280,85	275,73	285,28	279,87	252,16	255,63
3105	OSR Rad +Y+Z	280,35	274,82	284,44	278,57	250,74	254,20
3106	OSR Rad +Y+Z	280,78	275,07	284,85	278,79	251,05	254,55
3107	OSR Rad +Y+Z	280,46	274,95	284,40	278,53	250,92	254,10
3108	OSR Rad +Y+Z	280,91	275,54	284,87	279,12	251,79	254,55
3109	OSR Rad +Y+Z	288,97	283,84	294,17	288,77	261,79	265,61



3110	OSR Rad +Y+Z	285,53	280,51	290,34	285,06	258,44	261,71
3111	OSR Rad +Y+Z	282,10	276,85	286,60	281,08	253,47	257,25
3112	OSR Rad +Y+Z	281,67	276,14	286,10	280,28	252,42	256,44
3113	OSR Rad +Y+Z	281,25	275,28	285,31	279,04	251,19	255,28
3114	OSR Rad +Y+Z	280,77	274,91	284,64	278,46	250,70	254,58
3115	OSR Rad +Y+Z	280,53	274,84	284,31	278,29	250,68	254,23
3116	OSR Rad +Y+Z	281,72	276,02	285,67	279,58	252,15	255,25
3117	OSR Rad +Y+Z	288,81	283,66	293,80	288,42	260,88	265,66
3118	OSR Rad +Y+Z	286,64	281,35	291,49	285,99	258,61	263,14
3119	OSR Rad +Y+Z	284,86	278,27	289,60	282,80	254,44	260,23
3120	OSR Rad +Y+Z	288,24	280,02	293,93	285,47	256,58	263,11
3121	OSR Rad +Y+Z	285,73	277,93	289,99	282,02	253,93	260,52
3122	OSR Rad +Y+Z	281,75	274,61	285,01	277,65	249,56	255,98
3123	OSR Rad +Y+Z	283,19	275,82	286,75	279,15	251,47	257,54
3124	OSR Rad +Y+Z	283,46	276,95	286,54	279,65	253,13	257,19
3125	OSR Rad +Y+Z	296,85	290,05	302,68	295,90	265,35	275,10
3126	OSR Rad +Y+Z	293,56	286,87	299,28	292,59	262,33	271,33
3127	OSR Rad +Y+Z	287,25	280,01	292,51	285,20	254,83	263,16
3128	OSR Rad +Y+Z	290,89	281,45	297,14	287,56	256,98	266,13
3129	OSR Rad +Y+Z	289,07	279,45	293,84	284,18	255,10	264,41
3130	OSR Rad +Y+Z	287,24	277,41	291,48	281,62	252,80	262,47
3131	OSR Rad +Y+Z	286,75	276,93	290,59	280,71	252,23	261,86
3132	OSR Rad +Y+Z	286,03	277,27	289,00	280,01	252,79	260,56
3133	OSR Rad +Y+Z	300,70	293,17	307,44	299,98	267,69	279,16
3134	OSR Rad +Y+Z	297,82	290,25	304,82	297,36	264,33	275,93
3135	OSR Rad +Y+Z	291,31	282,64	298,24	289,70	255,33	267,70
3136	OSR Rad +Y+Z	291,42	281,05	298,04	287,85	253,82	267,41
3137	OSR Rad +Y+Z	296,08	279,56	301,77	285,62	252,13	272,43
3138	OSR Rad +Y+Z	298,10	279,30	303,43	285,04	252,04	274,56
3139	OSR Rad +Y+Z	299,45	279,90	304,71	285,52	253,09	275,77
3140	OSR Rad +Y+Z	295,98	278,93	300,30	283,53	252,41	272,17
3141	OSR Rad +Y+Z	302,30	294,52	311,35	303,69	265,33	280,58
3142	OSR Rad +Y+Z	301,24	291,04	311,87	302,03	259,10	279,11
3143	OSR Rad +Y+Z	301,44	288,28	312,57	299,96	255,31	278,93
3144	OSR Rad +Y+Z	300,27	287,21	311,13	298,63	254,21	277,54
3145	OSR Rad +Y+Z	300,37	282,08	308,82	291,09	250,42	276,81
3146	OSR Rad +Y+Z	301,33	281,26	308,68	289,15	250,79	277,73
3147	OSR Rad +Y+Z	301,03	280,86	307,40	287,71	251,39	277,35
3148	OSR Rad +Y+Z	299,18	280,73	304,53	286,47	252,30	275,35
3201	OSR Rad +Y	284,82	277,02	299,19	291,09	271,60	258,77
3202	OSR Rad +Y	286,17	279,03	300,07	292,62	273,46	262,28
3203	OSR Rad +Y	288,99	282,85	301,65	295,36	276,97	267,83
3204	OSR Rad +Y	289,92	284,04	302,30	296,29	278,05	269,55
3205	OSR Rad +Y	289,73	283,82	302,25	296,23	277,68	269,13
3206	OSR Rad +Y	287,20	280,86	300,80	294,39	274,33	265,29
3207	OSR Rad +Y	283,48	277,14	297,28	290,84	271,10	263,76
3208	OSR Rad +Y	278,17	272,25	291,13	285,05	268,28	263,86
3209	OSR Rad +Y	276,97	271,29	289,65	283,70	267,36	264,49
3210	OSR Rad +Y	279,51	273,68	291,93	285,81	267,29	264,90
3211	OSR Rad +Y	286,63	280,37	298,34	291,82	269,29	268,39



3212	OSR Rad +Y	290,50	284,22	300,69	294,16	269,10	269,96
3213	OSR Rad +Y	284,38	276,37	298,19	290,00	270,71	257,68
3214	OSR Rad +Y	285,11	277,98	298,25	290,92	272,27	261,24
3215	OSR Rad +Y	281,37	276,20	292,04	286,79	270,87	263,66
3216	OSR Rad +Y	281,85	276,86	292,34	287,29	271,52	264,73
3217	OSR Rad +Y	282,05	277,01	292,74	287,63	271,54	264,78
3218	OSR Rad +Y	285,56	279,72	298,53	292,54	273,07	265,98
3219	OSR Rad +Y	280,42	274,70	293,31	287,42	268,68	262,75
3220	OSR Rad +Y	262,42	257,82	272,55	267,86	254,50	251,32
3221	OSR Rad +Y	259,52	255,10	269,10	264,55	251,93	249,86
3222	OSR Rad +Y	264,52	259,78	274,12	269,21	253,96	252,28
3223	OSR Rad +Y	283,28	277,21	294,03	287,68	265,98	265,22
3224	OSR Rad +Y	290,29	283,82	300,22	293,50	268,68	269,59
3225	OSR Rad +Y	283,54	275,11	296,85	288,37	269,34	255,61
3226	OSR Rad +Y	284,70	277,42	297,39	289,98	271,59	260,49
3227	OSR Rad +Y	280,15	274,99	290,58	285,35	269,66	262,56
3228	OSR Rad +Y	280,59	275,67	290,85	285,86	270,33	263,75
3229	OSR Rad +Y	280,89	275,95	291,34	286,32	270,46	263,95
3230	OSR Rad +Y	285,69	280,15	298,03	292,29	273,45	266,77
3231	OSR Rad +Y	281,38	276,23	293,15	287,77	270,10	264,28
3232	OSR Rad +Y	266,54	262,28	276,08	271,68	258,62	255,22
3233	OSR Rad +Y	264,38	260,21	273,52	269,20	256,63	253,93
3234	OSR Rad +Y	267,20	262,74	276,21	271,59	256,91	254,59
3235	OSR Rad +Y	285,48	279,42	295,67	289,33	267,63	266,85
3236	OSR Rad +Y	291,25	284,65	300,80	293,94	268,98	270,35
3237	OSR Rad +Y	283,09	274,25	296,13	287,32	268,43	254,08
3238	OSR Rad +Y	286,32	278,97	298,79	291,32	272,97	262,11
3239	OSR Rad +Y	290,26	284,37	301,71	295,66	278,24	270,45
3240	OSR Rad +Y	291,34	285,72	302,64	296,85	279,53	272,32
3241	OSR Rad +Y	291,01	285,46	302,39	296,66	279,15	272,06
3242	OSR Rad +Y	287,81	282,60	299,34	293,89	275,86	268,96
3243	OSR Rad +Y	280,73	276,91	289,60	285,58	271,01	264,59
3244	OSR Rad +Y	280,86	277,22	289,38	285,53	271,48	265,14
3245	OSR Rad +Y	280,65	277,00	289,10	285,26	271,24	265,02
3246	OSR Rad +Y	279,68	275,83	288,13	284,07	269,38	263,90
3247	OSR Rad +Y	289,25	283,37	299,09	292,94	271,66	269,93
3248	OSR Rad +Y	294,63	287,61	304,01	296,79	270,81	273,47
3249	OSR Rad +Y	282,92	273,63	295,90	286,70	267,73	252,88
3250	OSR Rad +Y	286,34	279,22	298,29	291,05	273,24	263,12
3251	OSR Rad +Y	283,97	278,70	294,11	288,75	273,08	266,16
3252	OSR Rad +Y	284,58	279,50	294,62	289,44	273,86	267,29
3253	OSR Rad +Y	284,70	279,65	294,81	289,65	273,91	267,36
3254	OSR Rad +Y	288,01	282,98	299,01	293,75	276,32	269,37
3255	OSR Rad +Y	281,90	278,23	290,46	286,57	272,29	265,69
3256	OSR Rad +Y	282,94	279,35	291,38	287,57	273,39	266,71
3257	OSR Rad +Y	282,95	279,36	291,38	287,57	273,37	266,72
3258	OSR Rad +Y	282,20	278,44	290,58	286,62	272,01	265,92
3259	OSR Rad +Y	291,14	285,47	300,78	294,84	274,42	271,68
3260	OSR Rad +Y	297,48	290,04	306,89	299,30	272,41	276,13
3261	OSR Rad +Y	283,77	274,45	296,65	287,44	268,48	253,95



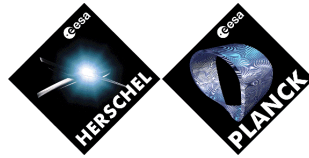
3262	OSR Rad +Y	287,29	279,59	299,61	291,84	273,45	262,29
3263	OSR Rad +Y	291,80	285,73	303,32	297,10	279,46	271,50
3264	OSR Rad +Y	292,85	287,11	304,23	298,31	280,79	273,45
3265	OSR Rad +Y	292,43	286,82	303,81	298,02	280,39	273,21
3266	OSR Rad +Y	288,92	283,84	300,00	294,68	277,08	270,04
3267	OSR Rad +Y	281,13	277,45	289,64	285,76	271,53	264,99
3268	OSR Rad +Y	282,33	278,75	290,72	286,93	272,80	266,17
3269	OSR Rad +Y	282,41	278,82	290,77	286,97	272,80	266,24
3270	OSR Rad +Y	281,71	277,90	290,03	286,02	271,30	265,46
3271	OSR Rad +Y	292,43	286,48	301,94	295,74	274,36	272,72
3272	OSR Rad +Y	297,81	290,42	307,14	299,60	272,81	276,73
3301	OSR Rad +Y-Z	289,64	279,90	301,34	291,93	275,44	257,39
3302	OSR Rad +Y-Z	285,00	276,75	294,28	286,37	273,11	241,01
3303	OSR Rad +Y-Z	284,69	276,58	293,78	286,02	273,01	240,43
3304	OSR Rad +Y-Z	294,74	285,68	304,99	296,25	281,68	247,19
3305	OSR Rad +Y-Z	293,78	284,69	304,51	295,71	280,51	248,47
3306	OSR Rad +Y-Z	286,46	277,27	299,57	290,55	272,14	250,06
3307	OSR Rad +Y-Z	284,18	275,08	298,23	289,23	269,56	251,32
3308	OSR Rad +Y-Z	283,95	275,09	298,30	289,46	269,47	253,02
3309	OSR Rad +Y-Z	290,10	278,82	301,50	290,72	274,31	280,35
3310	OSR Rad +Y-Z	285,12	276,28	294,41	285,97	272,59	242,41
3311	OSR Rad +Y-Z	284,35	275,70	293,40	285,16	272,08	240,30
3312	OSR Rad +Y-Z	285,19	276,60	294,18	286,02	272,98	242,56
3313	OSR Rad +Y-Z	283,38	274,84	292,58	284,45	271,12	246,74
3314	OSR Rad +Y-Z	282,50	273,11	294,94	285,78	268,05	247,84
3315	OSR Rad +Y-Z	281,30	271,97	294,71	285,54	266,48	248,62
3316	OSR Rad +Y-Z	282,25	273,01	296,08	286,95	267,34	250,49
3317	OSR Rad +Y-Z	290,36	274,37	301,87	286,81	269,45	251,60
3318	OSR Rad +Y-Z	280,57	265,54	290,21	276,26	261,21	239,40
3319	OSR Rad +Y-Z	279,57	264,53	289,08	275,12	260,25	238,41
3320	OSR Rad +Y-Z	279,17	264,22	288,66	274,77	259,94	241,54
3321	OSR Rad +Y-Z	276,33	262,72	285,92	273,25	258,41	238,71
3322	OSR Rad +Y-Z	270,97	261,45	281,95	272,87	256,58	239,56
3323	OSR Rad +Y-Z	271,43	262,25	282,80	273,99	257,21	240,53
3324	OSR Rad +Y-Z	280,00	270,00	292,97	283,21	264,37	246,63
3325	OSR Rad +Y-Z	292,71	274,18	304,34	286,90	269,07	246,32
3326	OSR Rad +Y-Z	291,85	272,76	303,16	285,20	267,73	244,65
3327	OSR Rad +Y-Z	291,61	272,48	302,86	284,88	267,47	244,32
3328	OSR Rad +Y-Z	291,43	272,40	302,70	284,79	267,37	244,55
3329	OSR Rad +Y-Z	289,56	271,59	300,92	284,00	266,54	244,14
3330	OSR Rad +Y-Z	271,31	261,37	282,33	272,86	256,43	239,42
3331	OSR Rad +Y-Z	270,96	261,68	282,20	273,32	256,65	239,97
3332	OSR Rad +Y-Z	279,65	269,46	292,44	282,53	263,84	245,88
3333	OSR Rad +Y-Z	292,26	273,49	303,82	286,16	268,37	246,07
3334	OSR Rad +Y-Z	283,42	266,16	293,55	277,50	261,53	241,85
3335	OSR Rad +Y-Z	282,81	265,62	292,85	276,87	261,02	240,41
3336	OSR Rad +Y-Z	283,11	265,94	293,24	277,27	261,30	240,30
3337	OSR Rad +Y-Z	289,26	271,53	300,76	284,06	266,40	244,32
3338	OSR Rad +Y-Z	271,81	261,67	282,88	273,23	256,69	239,65
3339	OSR Rad +Y-Z	271,35	261,95	282,63	273,63	256,89	240,20



3340	OSR Rad +Y-Z	279,75	269,45	292,52	282,52	263,81	245,85
3341	OSR Rad +Y-Z	289,89	273,69	301,96	286,66	268,45	252,66
3342	OSR Rad +Y-Z	288,51	271,66	300,27	284,39	266,47	262,89
3343	OSR Rad +Y-Z	287,97	270,97	299,67	283,65	265,78	249,94
3344	OSR Rad +Y-Z	287,43	270,83	299,23	283,57	265,58	246,11
3345	OSR Rad +Y-Z	286,32	271,08	298,52	284,06	265,65	245,69
3346	OSR Rad +Y-Z	281,08	268,89	293,54	281,85	263,34	244,95
3347	OSR Rad +Y-Z	279,93	268,96	292,55	281,95	263,31	245,67
3348	OSR Rad +Y-Z	281,46	270,94	294,35	284,13	265,14	247,98
3401	OSR Rad -Z	286,04	281,49	300,35	295,52	275,74	257,51
3402	OSR Rad -Z	285,64	280,69	300,45	295,26	274,84	260,01
3403	OSR Rad -Z	284,63	279,61	299,44	294,20	273,85	255,29
3404	OSR Rad -Z	285,20	279,99	300,33	294,89	274,14	255,36
3405	OSR Rad -Z	284,09	278,04	300,18	293,91	271,98	255,75
3406	OSR Rad -Z	282,83	276,26	298,96	292,21	270,28	251,58
3407	OSR Rad -Z	283,53	276,63	299,28	292,22	270,82	249,50
3408	OSR Rad -Z	287,05	279,67	301,66	294,17	274,29	248,34
3409	OSR Rad -Z	291,67	283,78	304,51	296,59	279,07	246,71
3410	OSR Rad -Z	291,44	283,41	304,06	296,03	278,78	246,05
3411	OSR Rad -Z	284,96	276,23	297,58	288,97	271,55	244,03
3412	OSR Rad -Z	286,47	276,89	299,31	289,94	272,07	246,51
3413	OSR Rad -Z	285,96	281,27	300,18	295,22	275,60	254,78
3414	OSR Rad -Z	284,98	280,04	299,51	294,34	274,32	255,11
3415	OSR Rad -Z	276,98	272,48	289,99	285,35	267,35	249,64
3416	OSR Rad -Z	284,88	279,76	299,63	294,28	274,00	255,69
3417	OSR Rad -Z	283,85	277,86	299,49	293,26	271,89	261,77
3418	OSR Rad -Z	278,37	272,12	293,30	286,88	266,53	249,11
3419	OSR Rad -Z	278,67	272,20	293,36	286,72	266,74	246,98
3420	OSR Rad -Z	285,26	278,05	299,44	292,09	272,80	247,87
3421	OSR Rad -Z	282,24	275,25	293,39	286,47	271,22	242,91
3422	OSR Rad -Z	281,11	274,06	291,94	284,99	270,07	240,52
3423	OSR Rad -Z	269,51	262,01	279,69	272,40	258,17	234,40
3424	OSR Rad -Z	283,14	273,21	295,48	285,79	268,51	243,47
3425	OSR Rad -Z	286,73	282,26	299,93	295,20	277,00	252,14
3426	OSR Rad -Z	285,27	280,40	299,45	294,35	274,80	252,90
3427	OSR Rad -Z	284,53	279,61	298,79	293,65	274,00	253,21
3428	OSR Rad -Z	286,06	280,90	300,76	295,36	275,13	257,00
3429	OSR Rad -Z	285,69	279,70	301,08	294,83	273,72	255,22
3430	OSR Rad -Z	284,71	278,19	300,18	293,41	272,26	251,51
3431	OSR Rad -Z	284,89	278,07	300,07	293,00	272,30	250,01
3432	OSR Rad -Z	286,13	278,89	300,24	292,78	273,61	248,86
3433	OSR Rad -Z	281,98	274,97	293,12	286,16	270,96	242,19
3434	OSR Rad -Z	280,94	273,82	291,68	284,65	269,85	241,77
3435	OSR Rad -Z	269,89	262,03	279,82	272,18	258,25	235,84
3436	OSR Rad -Z	283,84	272,69	295,92	285,09	267,96	244,31
3437	OSR Rad -Z	288,94	284,46	301,70	296,97	279,33	248,09
3438	OSR Rad -Z	279,71	275,52	291,48	287,12	270,75	241,81
3439	OSR Rad -Z	279,71	275,47	291,57	287,17	270,71	241,86
3440	OSR Rad -Z	289,23	284,27	303,05	297,82	278,75	248,26
3441	OSR Rad -Z	287,70	281,76	302,63	296,42	275,88	251,07



3442	OSR Rad -Z	288,90	282,37	303,91	297,11	276,53	250,56
3443	OSR Rad -Z	288,89	282,14	303,78	296,76	276,38	250,53
3444	OSR Rad -Z	287,37	279,94	301,62	293,92	274,51	251,34
3445	OSR Rad -Z	287,56	279,56	300,40	292,26	274,71	252,22
3446	OSR Rad -Z	288,76	280,12	300,22	291,62	275,75	261,09
3447	OSR Rad -Z	286,56	277,20	297,89	288,64	272,83	250,60
3448	OSR Rad -Z	287,76	275,58	299,87	288,02	270,76	247,78
3449	OSR Rad -Z	289,15	284,50	302,36	297,44	279,18	246,74
3450	OSR Rad -Z	280,36	276,14	292,17	287,78	271,35	241,38
3451	OSR Rad -Z	280,42	276,16	292,30	287,87	271,36	241,41
3452	OSR Rad -Z	289,65	284,68	303,41	298,17	279,15	247,15
3453	OSR Rad -Z	287,80	281,83	302,65	296,40	275,93	249,97
3454	OSR Rad -Z	287,18	280,56	302,42	295,50	274,58	251,12
3455	OSR Rad -Z	287,05	280,02	302,14	294,81	274,15	251,72
3456	OSR Rad -Z	287,03	279,47	301,40	293,54	273,96	252,24
3457	OSR Rad -Z	287,12	279,00	300,10	291,80	274,06	252,14
3458	OSR Rad -Z	282,04	274,08	292,17	284,34	270,22	248,86
3459	OSR Rad -Z	280,96	272,66	290,93	282,81	268,79	247,20
3460	OSR Rad -Z	287,73	275,80	299,61	287,96	271,06	248,85
3461	OSR Rad -Z	286,77	282,34	299,40	294,70	277,25	247,70
3462	OSR Rad -Z	286,02	281,29	299,41	294,42	275,87	246,22
3463	OSR Rad -Z	286,33	281,37	300,11	294,88	275,79	246,23
3464	OSR Rad -Z	287,86	282,49	302,21	296,57	276,69	247,99
3465	OSR Rad -Z	287,11	281,00	302,11	295,72	275,01	250,01
3466	OSR Rad -Z	286,53	279,82	301,82	294,81	273,79	251,29
3467	OSR Rad -Z	286,43	279,31	301,59	294,16	273,40	252,03
3468	OSR Rad -Z	286,74	279,14	301,31	293,38	273,54	252,56
3469	OSR Rad -Z	288,06	279,63	301,16	292,57	274,61	252,77
3470	OSR Rad -Z	290,28	281,39	301,69	292,85	277,01	253,20
3471	OSR Rad -Z	290,03	280,64	301,38	292,09	276,24	252,64
3472	OSR Rad -Z	289,07	276,92	301,19	289,35	272,02	250,54
3501	OSR Rad -Y-Z	288,60	287,25	293,92	292,35	285,59	253,71
3502	OSR Rad -Y-Z	281,22	280,04	285,87	284,50	278,58	244,90
3503	OSR Rad -Y-Z	280,38	279,22	284,95	283,61	277,78	246,33
3504	OSR Rad -Y-Z	275,24	274,15	279,51	278,28	272,81	238,34
3505	OSR Rad -Y-Z	290,66	289,37	295,73	294,26	287,77	246,18
3506	OSR Rad -Y-Z	291,00	289,63	296,39	294,83	287,92	251,98
3507	OSR Rad -Y-Z	286,28	284,62	292,68	290,84	282,53	250,64
3508	OSR Rad -Y-Z	284,86	282,89	292,13	289,99	280,40	251,56
3509	OSR Rad -Y-Z	279,01	277,84	283,54	282,19	276,41	244,60
3510	OSR Rad -Y-Z	280,92	279,75	285,48	284,13	278,31	243,94
3511	OSR Rad -Y-Z	280,71	279,55	285,25	283,90	278,13	243,88
3512	OSR Rad -Y-Z	275,57	274,52	279,67	278,47	273,21	238,10
3513	OSR Rad -Y-Z	289,86	288,61	294,74	293,32	287,06	245,55
3514	OSR Rad -Y-Z	289,57	288,31	294,48	293,05	286,74	246,55
3515	OSR Rad -Y-Z	284,27	283,01	289,08	287,68	281,42	248,96
3516	OSR Rad -Y-Z	284,11	282,81	288,89	287,48	281,16	251,94
3517	OSR Rad -Y-Z	277,17	275,99	281,67	280,31	274,53	246,14
3518	OSR Rad -Y-Z	279,94	278,76	284,51	283,14	277,30	244,20
3519	OSR Rad -Y-Z	279,33	278,17	283,85	282,50	276,73	245,70



3520	OSR Rad -Y-Z	268,25	267,26	272,06	270,93	266,03	236,02
3521	OSR Rad -Y-Z	276,56	275,49	280,68	279,47	274,16	242,67
3522	OSR Rad -Y-Z	274,12	273,12	277,95	276,81	271,88	239,90
3523	OSR Rad -Y-Z	277,71	276,95	280,53	279,70	275,99	247,24
3524	OSR Rad -Y-Z	284,27	283,71	286,14	285,58	282,98	255,89
3525	OSR Rad -Y-Z	274,69	273,43	279,33	277,89	271,87	244,18
3526	OSR Rad -Y-Z	275,56	274,30	280,22	278,77	272,74	244,25
3527	OSR Rad -Y-Z	273,93	272,71	278,46	277,05	271,19	245,24
3528	OSR Rad -Y-Z	261,19	260,17	264,93	263,77	258,91	235,66
3529	OSR Rad -Y-Z	272,16	270,99	276,37	275,02	269,55	243,18
3530	OSR Rad -Y-Z	272,02	270,94	275,90	274,65	269,61	245,83
3531	OSR Rad -Y-Z	264,76	264,70	265,04	264,98	264,57	242,65
3532	OSR Rad -Y-Z	289,70	291,02	284,87	286,47	292,55	268,30
3533	OSR Rad -Y-Z	284,18	282,71	289,58	287,88	280,89	250,44
3534	OSR Rad -Y-Z	284,46	282,99	289,85	288,15	281,17	250,12
3535	OSR Rad -Y-Z	283,31	281,87	288,62	286,95	280,07	250,06
3536	OSR Rad -Y-Z	274,58	273,26	279,34	277,82	271,61	248,24
3537	OSR Rad -Y-Z	272,96	271,75	277,29	275,89	270,25	247,36
3538	OSR Rad -Y-Z	270,88	269,86	274,57	273,38	268,58	243,44
3539	OSR Rad -Y-Z	261,64	261,80	261,07	261,27	261,95	241,54
3540	OSR Rad -Y-Z	277,13	277,62	275,22	275,83	278,14	255,66
3541	OSR Rad -Y-Z	284,97	283,42	290,60	288,81	281,49	253,82
3542	OSR Rad -Y-Z	285,09	283,56	290,64	288,88	281,67	251,16
3543	OSR Rad -Y-Z	284,33	282,80	289,87	288,11	280,91	251,47
3544	OSR Rad -Y-Z	276,94	275,45	282,17	280,46	273,59	256,91
3545	OSR Rad -Y-Z	274,23	272,87	278,98	277,43	271,16	253,34
3546	OSR Rad -Y-Z	258,68	258,22	260,26	259,74	257,60	239,90
3547	OSR Rad -Y-Z	268,66	270,04	263,80	265,42	271,61	253,44
3548	OSR Rad -Y-Z	276,53	276,50	276,14	276,19	276,42	254,41
3601	OSR Rad -Y	269,08	262,60	276,59	270,23	255,23	242,16
3602	OSR Rad -Y	256,61	252,31	262,34	258,14	248,20	234,45
3603	OSR Rad -Y	271,54	268,85	276,80	274,08	266,47	246,31
3604	OSR Rad -Y	271,04	268,71	275,91	273,53	266,75	245,30
3605	OSR Rad -Y	252,04	251,22	253,72	252,93	251,29	258,33
3606	OSR Rad -Y	258,13	258,98	255,51	256,51	260,83	248,54
3607	OSR Rad -Y	256,97	257,37	256,06	256,53	258,76	239,21
3608	OSR Rad -Y	270,45	271,83	266,85	268,42	274,09	249,87
3609	OSR Rad -Y	279,13	278,34	282,23	281,39	277,51	252,65
3610	OSR Rad -Y	282,10	280,11	289,15	286,94	277,69	254,70
3611	OSR Rad -Y	283,14	280,68	292,15	289,34	277,72	257,11
3612	OSR Rad -Y	283,73	281,30	292,84	290,03	278,41	258,08
3613	OSR Rad -Y	267,22	261,57	273,85	268,26	254,81	240,21
3614	OSR Rad -Y	256,87	252,89	262,13	258,19	248,36	233,92
3615	OSR Rad -Y	270,39	267,73	275,44	272,74	264,90	245,19
3616	OSR Rad -Y	269,80	267,53	274,42	272,10	265,16	244,05
3617	OSR Rad -Y	253,30	252,53	254,58	253,83	251,89	255,95
3618	OSR Rad -Y	266,79	267,71	263,71	264,77	268,67	251,85
3619	OSR Rad -Y	260,12	260,27	259,52	259,71	260,57	239,51
3620	OSR Rad -Y	270,09	270,60	268,64	269,22	271,08	247,03
3621	OSR Rad -Y	280,46	279,32	284,14	282,90	277,84	252,00



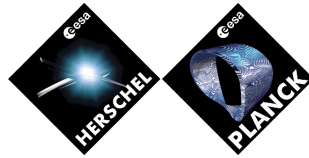
3622	OSR Rad -Y	283,21	281,10	290,05	287,72	278,42	255,60
3623	OSR Rad -Y	283,12	280,65	291,44	288,67	277,56	257,81
3624	OSR Rad -Y	282,93	280,49	291,34	288,58	277,46	259,49
3625	OSR Rad -Y	273,70	267,63	280,47	274,42	259,64	243,34
3626	OSR Rad -Y	269,17	264,49	275,01	270,34	258,66	240,66
3627	OSR Rad -Y	261,09	258,36	265,34	262,59	255,09	235,78
3628	OSR Rad -Y	258,84	256,95	262,28	260,36	254,73	234,92
3629	OSR Rad -Y	258,99	257,72	261,41	260,11	256,21	242,09
3630	OSR Rad -Y	285,01	283,97	287,31	286,20	282,61	256,74
3631	OSR Rad -Y	286,40	285,29	289,07	287,87	283,86	249,93
3632	OSR Rad -Y	286,19	285,05	289,06	287,83	283,54	255,09
3633	OSR Rad -Y	286,73	284,65	292,65	290,40	281,94	251,64
3634	OSR Rad -Y	286,72	284,36	293,63	291,05	281,30	257,84
3635	OSR Rad -Y	283,67	281,18	291,48	288,73	278,00	259,70
3636	OSR Rad -Y	283,16	280,73	290,93	288,24	277,64	263,13
3637	OSR Rad -Y	279,74	273,51	286,60	280,38	265,11	246,46
3638	OSR Rad -Y	279,38	274,61	285,35	280,56	268,45	245,94
3639	OSR Rad -Y	280,77	278,26	285,10	282,52	275,09	245,91
3640	OSR Rad -Y	280,62	278,40	284,71	282,41	275,61	243,80
3641	OSR Rad -Y	278,96	276,96	282,75	280,67	274,45	249,09
3642	OSR Rad -Y	290,72	289,28	294,08	292,54	287,44	250,17
3643	OSR Rad -Y	283,26	282,01	286,27	284,93	280,41	244,79
3644	OSR Rad -Y	280,77	279,48	283,99	282,60	277,80	244,69
3645	OSR Rad -Y	279,45	277,40	285,18	282,98	274,74	245,00
3646	OSR Rad -Y	279,54	277,38	285,68	283,35	274,57	246,50
3647	OSR Rad -Y	282,90	280,41	290,54	287,81	277,22	257,79
3648	OSR Rad -Y	282,87	280,41	290,58	287,87	277,27	259,57
3649	OSR Rad -Y	283,05	276,81	289,93	283,72	268,62	248,35
3650	OSR Rad -Y	283,63	278,65	289,75	284,77	272,27	248,09
3651	OSR Rad -Y	282,76	280,24	287,11	284,52	277,06	245,03
3652	OSR Rad -Y	282,47	280,22	286,62	284,29	277,38	244,07
3653	OSR Rad -Y	279,91	277,84	283,82	281,68	275,22	244,11
3654	OSR Rad -Y	280,51	279,16	283,62	282,18	277,43	244,92
3655	OSR Rad -Y	279,83	278,55	282,89	281,53	276,90	243,15
3656	OSR Rad -Y	278,56	277,18	282,00	280,52	275,39	247,83
3657	OSR Rad -Y	278,80	276,72	284,61	282,37	274,00	245,48
3658	OSR Rad -Y	279,10	276,90	285,33	282,96	274,02	247,25
3659	OSR Rad -Y	282,21	279,56	290,10	287,22	276,12	255,91
3660	OSR Rad -Y	282,11	279,46	290,20	287,30	276,04	257,37
3661	OSR Rad -Y	286,48	279,24	294,01	286,83	269,67	250,95
3662	OSR Rad -Y	285,67	280,01	292,24	286,61	272,80	251,01
3663	OSR Rad -Y	281,14	278,48	285,57	282,85	275,10	250,26
3664	OSR Rad -Y	280,19	277,93	284,33	282,00	275,06	244,15
3665	OSR Rad -Y	274,82	272,75	278,74	276,61	270,12	247,35
3666	OSR Rad -Y	260,80	259,26	264,15	262,54	257,24	234,52
3667	OSR Rad -Y	260,16	258,66	263,72	262,14	256,69	233,35
3668	OSR Rad -Y	275,43	273,45	280,46	278,35	270,83	246,44
3669	OSR Rad -Y	280,24	277,77	286,93	284,29	274,51	254,15
3670	OSR Rad -Y	281,91	279,13	289,69	286,72	275,48	269,06
3671	OSR Rad -Y	282,21	279,24	290,95	287,74	275,36	260,19



3672	OSR Rad -Y	282,23	279,39	290,86	287,77	275,71	257,40
3701	OSR Rad -Y+Z	296,73	284,82	307,01	295,27	264,34	258,07
3702	OSR Rad -Y+Z	296,53	283,82	306,75	294,27	263,00	256,25
3703	OSR Rad -Y+Z	294,99	282,65	305,40	293,27	261,52	254,98
3704	OSR Rad -Y+Z	294,48	282,53	305,36	293,62	261,66	255,18
3705	OSR Rad -Y+Z	295,55	283,40	307,01	295,08	263,24	256,35
3706	OSR Rad -Y+Z	294,64	282,51	305,58	293,70	262,62	255,47
3707	OSR Rad -Y+Z	295,20	282,70	306,06	293,85	263,79	255,82
3708	OSR Rad -Y+Z	294,97	282,68	306,11	294,05	265,19	256,59
3709	OSR Rad -Y+Z	287,51	278,06	294,20	284,88	255,41	250,88
3710	OSR Rad -Y+Z	288,11	277,63	294,72	284,50	254,93	249,65
3711	OSR Rad -Y+Z	284,95	275,41	291,29	281,89	251,70	247,22
3712	OSR Rad -Y+Z	285,07	275,83	292,17	283,06	252,43	248,01
3713	OSR Rad -Y+Z	292,22	281,09	302,18	291,15	259,51	253,57
3714	OSR Rad -Y+Z	286,06	276,35	293,33	283,84	253,89	248,70
3715	OSR Rad -Y+Z	288,85	277,93	296,42	285,86	256,93	250,24
3716	OSR Rad -Y+Z	295,03	282,80	305,28	293,22	264,09	255,85
3717	OSR Rad -Y+Z	293,71	282,94	302,60	291,82	261,28	255,94
3718	OSR Rad -Y+Z	284,68	275,66	290,66	281,70	251,82	247,75
3719	OSR Rad -Y+Z	282,23	273,77	287,97	279,54	249,05	245,49
3720	OSR Rad -Y+Z	282,98	274,50	289,53	281,09	250,13	246,46
3721	OSR Rad -Y+Z	290,78	280,24	300,33	289,80	257,86	252,50
3722	OSR Rad -Y+Z	283,96	275,05	290,77	281,97	251,41	247,09
3723	OSR Rad -Y+Z	285,05	275,67	291,79	282,57	253,00	247,72
3724	OSR Rad -Y+Z	293,14	281,69	302,81	291,43	262,66	254,36
3725	OSR Rad -Y+Z	294,23	283,13	302,88	291,77	261,16	255,83
3726	OSR Rad -Y+Z	285,29	275,95	291,17	281,89	251,76	247,77
3727	OSR Rad -Y+Z	282,81	274,26	288,67	280,15	249,17	245,87
3728	OSR Rad -Y+Z	283,56	275,13	290,34	281,95	250,39	247,08
3729	OSR Rad -Y+Z	291,17	280,74	300,84	290,43	258,04	253,05
3730	OSR Rad -Y+Z	284,75	275,95	292,06	283,39	251,76	247,98
3731	OSR Rad -Y+Z	285,97	276,63	293,13	283,98	253,38	248,52
3732	OSR Rad -Y+Z	294,15	282,64	303,88	292,46	263,17	254,89
3733	OSR Rad -Y+Z	288,87	278,78	295,12	285,18	255,27	250,97
3734	OSR Rad -Y+Z	289,59	278,63	296,00	285,31	255,07	250,18
3735	OSR Rad -Y+Z	286,51	276,90	293,21	283,75	252,07	248,52
3736	OSR Rad -Y+Z	286,73	277,64	294,51	285,56	253,00	249,80
3737	OSR Rad -Y+Z	293,41	282,56	303,70	292,96	259,90	255,12
3738	OSR Rad -Y+Z	288,66	279,13	297,50	288,23	254,73	251,32
3739	OSR Rad -Y+Z	291,66	280,63	300,34	289,71	257,61	252,28
3740	OSR Rad -Y+Z	297,58	284,94	307,80	295,39	264,74	256,88
3741	OSR Rad -Y+Z	298,22	285,82	307,72	295,46	263,79	258,49
3742	OSR Rad -Y+Z	297,85	284,92	307,42	294,68	262,47	257,00
3743	OSR Rad -Y+Z	296,25	284,01	306,33	294,26	261,09	256,26
3744	OSR Rad -Y+Z	295,76	284,15	306,56	295,10	261,33	256,90
3745	OSR Rad -Y+Z	297,18	285,34	308,64	297,00	263,02	258,33
3746	OSR Rad -Y+Z	297,01	284,99	308,22	296,44	262,43	257,67
3747	OSR Rad -Y+Z	298,49	285,58	309,37	296,76	263,69	257,72
3748	OSR Rad -Y+Z	299,05	286,29	309,83	297,33	265,88	258,46
4001	MLI Rad +Z	405,18	405,13	391,86	391,79	386,42	396,10



4002	MLI Rad +Z	398,63	398,55	389,54	389,43	351,95	389,62
4003	MLI Rad +Z	403,69	403,62	392,38	392,28	378,38	394,59
4004	MLI Rad +Z	404,81	404,76	391,41	391,33	384,78	395,72
4005	MLI Rad +Z	403,41	403,36	389,72	389,65	381,35	394,35
4006	MLI Rad +Z	403,14	403,08	389,31	389,24	380,59	394,09
4007	MLI Rad +Z	402,96	402,90	389,07	389,00	380,21	393,91
4008	MLI Rad +Z	402,98	402,92	389,12	389,04	380,19	393,93
4009	MLI Rad +Z	402,90	402,84	389,05	388,97	380,15	393,85
4010	MLI Rad +Z	402,92	402,85	389,08	388,99	380,28	393,85
4011	MLI Rad +Z	403,08	403,00	389,19	389,09	380,36	393,99
4012	MLI Rad +Z	402,88	402,79	388,95	388,84	380,11	393,79
4013	MLI Rad +Z	405,78	405,72	392,48	392,40	387,22	396,67
4014	MLI Rad +Z	397,51	397,42	353,41	353,25	406,59	388,50
4015	MLI Rad +Z	404,19	404,11	379,40	379,29	398,36	395,07
4016	MLI Rad +Z	405,06	405,00	391,77	391,69	384,69	395,96
4017	MLI Rad +Z	403,86	403,80	390,33	390,25	381,77	394,79
4018	MLI Rad +Z	403,61	403,55	389,91	389,83	381,04	394,54
4019	MLI Rad +Z	403,44	403,38	389,75	389,67	380,70	394,38
4020	MLI Rad +Z	403,37	403,30	389,71	389,62	380,57	394,31
4021	MLI Rad +Z	403,40	403,33	389,65	389,55	380,81	394,33
4022	MLI Rad +Z	404,84	404,73	391,28	391,14	382,31	395,68
4023	MLI Rad +Z	404,98	404,85	391,47	391,31	377,40	395,77
4024	MLI Rad +Z	403,57	403,48	389,66	389,55	381,03	394,46
4025	MLI Rad +Z	404,91	404,86	391,47	391,40	384,64	395,83
4026	MLI Rad +Z	407,07	407,01	375,10	375,00	389,08	397,92
4027	MLI Rad +Z	406,60	406,53	385,90	385,80	387,67	397,45
4028	MLI Rad +Z	405,12	405,05	391,92	391,82	383,99	396,02
4029	MLI Rad +Z	404,81	404,74	391,42	391,33	382,51	395,72
4030	MLI Rad +Z	404,15	404,09	390,68	390,60	381,45	395,07
4031	MLI Rad +Z	403,92	403,85	390,39	390,30	381,11	394,85
4032	MLI Rad +Z	404,40	404,32	390,97	390,87	381,59	395,31
4033	MLI Rad +Z	404,73	404,64	391,19	391,08	382,28	395,62
4034	MLI Rad +Z	410,09	409,96	397,02	396,87	392,79	400,81
4035	MLI Rad +Z	401,09	400,90	388,83	388,60	386,75	391,87
4036	MLI Rad +Z	404,60	404,51	390,93	390,81	382,41	395,47
4037	MLI Rad +Z	407,71	407,65	394,75	394,67	388,17	398,55
4038	MLI Rad +Z	412,78	412,67	401,77	401,62	387,33	403,41
4039	MLI Rad +Z	408,01	407,87	395,53	395,36	381,40	398,81
4040	MLI Rad +Z	407,53	407,39	394,81	394,65	383,25	398,35
4041	MLI Rad +Z	406,52	406,43	393,56	393,44	383,73	397,38
4042	MLI Rad +Z	405,82	405,74	392,89	392,80	382,69	396,70
4043	MLI Rad +Z	405,45	405,37	392,31	392,21	382,34	396,34
4044	MLI Rad +Z	405,91	405,81	393,05	392,92	382,91	396,78
4045	MLI Rad +Z	406,76	406,61	393,78	393,59	384,31	397,60
4046	MLI Rad +Z	408,54	408,36	394,40	394,18	387,69	399,32
4047	MLI Rad +Z	409,69	409,53	384,60	384,40	389,88	400,42
4048	MLI Rad +Z	405,02	404,91	391,57	391,43	382,51	395,88
4049	MLI Rad +Z	408,02	407,93	395,67	395,56	385,56	398,86
4050	MLI Rad +Z	413,32	413,16	395,92	395,72	392,73	404,01
4051	MLI Rad +Z	395,45	394,98	406,80	406,34	337,26	386,41



4052	MLI Rad +Z	404,26	403,87	406,88	406,47	365,43	395,07
4053	MLI Rad +Z	411,17	411,03	400,20	400,03	387,38	401,92
4054	MLI Rad +Z	410,13	410,04	398,73	398,61	386,14	400,91
4055	MLI Rad +Z	409,98	409,89	398,66	398,54	385,99	400,77
4056	MLI Rad +Z	410,01	409,86	398,66	398,49	386,41	400,77
4057	MLI Rad +Z	411,94	411,60	401,90	401,52	390,03	402,59
4058	MLI Rad +Z	411,51	411,02	400,02	399,46	374,75	402,03
4059	MLI Rad +Z	410,72	410,46	399,12	398,82	388,11	401,41
4060	MLI Rad +Z	407,11	406,97	394,42	394,26	383,89	397,91
4061	MLI Rad +Z	419,03	418,89	413,16	413,00	340,38	409,62
4062	MLI Rad +Z	422,44	422,22	419,97	419,73	321,38	412,92
4063	MLI Rad +Z	411,35	410,83	385,26	384,58	326,54	401,95
4064	MLI Rad +Z	418,03	417,60	405,87	405,36	328,12	408,53
4065	MLI Rad +Z	422,26	422,08	420,08	419,88	320,08	412,75
4066	MLI Rad +Z	421,34	421,19	418,97	418,81	319,35	411,85
4067	MLI Rad +Z	421,05	420,91	418,75	418,59	319,51	411,58
4068	MLI Rad +Z	421,30	421,09	418,60	418,38	319,97	411,80
4069	MLI Rad +Z	426,61	426,14	425,25	424,76	313,07	416,88
4070	MLI Rad +Z	430,28	429,55	407,42	406,51	244,34	420,11
4071	MLI Rad +Z	422,87	422,52	420,26	419,89	322,82	413,28
4072	MLI Rad +Z	418,48	418,31	412,45	412,25	340,16	409,02
4073	MLI FIN +Y	416,26	415,97	404,39	404,05	382,36	407,23
4074	MLI FIN +Y	166,81	165,69	166,67	165,41	161,53	161,34
4075	MLI FIN +Y	137,24	136,91	319,87	319,84	71,84	135,19
4076	MLI FIN +Y	131,57	129,42	165,14	163,85	74,32	124,46
4077	MLI FIN -Y	414,00	413,89	402,07	401,95	377,06	404,66
4078	MLI FIN -Y	166,68	165,85	167,11	166,23	158,74	159,32
4079	MLI FIN -Y	141,46	141,17	317,85	317,82	70,03	139,02
4080	MLI FIN -Y	186,14	185,33	203,12	202,46	67,37	174,19
4101	MLI Rad +Y+Z	370,71	370,61	358,91	358,79	349,12	362,39
4102	MLI Rad +Y+Z	370,43	370,38	357,70	357,63	348,96	362,11
4103	MLI Rad +Y+Z	378,79	378,45	371,91	371,53	293,41	370,30
4104	MLI Rad +Y+Z	368,73	368,66	356,08	355,99	347,61	360,37
4105	MLI Rad +Y+Z	371,92	371,82	360,03	359,91	350,33	363,58
4201	MLI Rad +Y	110,20	107,58	121,53	119,26	102,74	101,26
4202	MLI Rad +Y	111,39	109,01	120,97	118,80	103,57	103,21
4203	MLI Rad +Y	112,02	109,95	120,76	118,86	104,78	104,75
4204	MLI Rad +Y	112,75	110,77	121,58	119,77	105,18	105,76
4205	MLI Rad +Y	112,45	110,46	121,44	119,63	105,16	105,33
4206	MLI Rad +Y	111,74	109,60	120,92	119,00	103,92	104,18
4207	MLI Rad +Y	111,21	109,07	120,48	118,55	103,11	104,33
4208	MLI Rad +Y	109,37	107,32	118,97	117,16	102,01	103,99
4209	MLI Rad +Y	110,38	108,44	119,34	117,58	102,05	105,61
4210	MLI Rad +Y	110,47	108,45	119,90	118,06	101,55	104,96
4211	MLI Rad +Y	112,51	110,43	121,68	119,78	102,64	106,17
4212	MLI Rad +Y	121,42	119,52	127,97	126,13	104,96	114,85
4213	MLI Rad +Y	105,52	102,79	110,10	107,42	100,24	96,15
4214	MLI Rad +Y	105,51	103,06	110,46	108,07	100,77	97,10
4218	MLI Rad +Y	106,21	104,23	110,73	108,77	101,11	99,35
4219	MLI Rad +Y	104,63	102,68	109,18	107,26	99,65	98,39



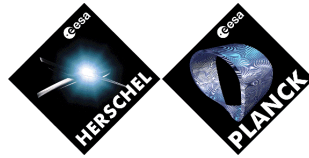
4223	MLI Rad +Y	107,06	105,04	110,77	108,73	99,91	100,83
4224	MLI Rad +Y	118,93	117,10	122,13	120,21	101,92	112,56
4225	MLI Rad +Y	104,98	102,10	109,47	106,70	99,79	95,08
4226	MLI Rad +Y	105,33	102,84	109,63	107,21	100,60	96,80
4230	MLI Rad +Y	106,54	104,69	110,37	108,51	101,39	99,99
4231	MLI Rad +Y	106,04	104,35	109,42	107,69	100,28	100,19
4235	MLI Rad +Y	110,51	108,64	112,93	110,96	101,81	104,53
4236	MLI Rad +Y	120,91	119,07	122,60	120,62	102,53	114,62
4237	MLI Rad +Y	104,62	101,57	109,37	106,50	99,34	94,29
4238	MLI Rad +Y	105,85	103,35	109,97	107,51	101,31	97,38
4239	MLI Rad +Y	107,14	105,17	111,35	109,34	102,89	100,30
4240	MLI Rad +Y	107,60	105,73	111,44	109,48	103,28	101,06
4241	MLI Rad +Y	107,65	105,80	111,89	109,98	103,36	101,13
4242	MLI Rad +Y	107,38	105,65	111,67	109,90	102,35	100,88
4247	MLI Rad +Y	114,19	112,45	117,66	115,81	102,60	108,14
4248	MLI Rad +Y	122,80	120,82	125,38	123,33	105,56	116,30
4249	MLI Rad +Y	104,93	101,76	109,32	106,31	99,35	94,29
4250	MLI Rad +Y	105,94	103,53	109,86	107,48	101,25	97,80
4254	MLI Rad +Y	107,21	105,54	111,11	109,40	102,48	100,80
4259	MLI Rad +Y	120,45	118,77	123,76	122,03	106,32	114,27
4260	MLI Rad +Y	128,37	126,38	130,71	128,61	106,98	121,78
4261	MLI Rad +Y	105,06	101,87	109,30	106,28	99,52	94,49
4262	MLI Rad +Y	106,23	103,62	110,32	107,75	101,31	97,49
4263	MLI Rad +Y	107,73	105,72	111,65	109,56	103,40	100,76
4264	MLI Rad +Y	108,56	106,67	112,44	110,48	104,17	101,92
4265	MLI Rad +Y	108,34	106,48	112,08	110,13	103,90	101,75
4266	MLI Rad +Y	107,52	105,83	111,39	109,63	102,76	101,02
4271	MLI Rad +Y	127,35	125,66	132,00	130,28	108,80	121,34
4272	MLI Rad +Y	140,54	138,72	143,94	142,08	115,19	134,16
4301	MLI Rad +Y-Z	106,51	103,19	110,42	107,27	101,63	95,13
4304	MLI Rad +Y-Z	108,20	105,17	111,65	108,69	103,79	92,70
4305	MLI Rad +Y-Z	107,89	104,84	111,49	108,52	103,39	92,87
4306	MLI Rad +Y-Z	105,46	102,30	109,84	106,84	100,48	93,09
4307	MLI Rad +Y-Z	104,70	101,54	109,41	106,42	99,55	93,27
4308	MLI Rad +Y-Z	104,76	101,69	109,61	106,67	99,64	93,66
4309	MLI Rad +Y-Z	106,67	102,82	110,47	106,87	101,22	103,34
4314	MLI Rad +Y-Z	104,08	100,81	108,27	105,20	98,96	92,79
4315	MLI Rad +Y-Z	103,85	100,57	108,37	105,30	98,57	93,02
4316	MLI Rad +Y-Z	103,87	100,65	108,52	105,48	98,58	93,04
4317	MLI Rad +Y-Z	106,75	101,25	110,60	105,55	99,48	93,27
4324	MLI Rad +Y-Z	103,09	99,55	107,48	104,19	97,53	92,53
4325	MLI Rad +Y-Z	107,54	101,19	111,43	105,59	99,34	92,59
4326	MLI Rad +Y-Z	107,25	100,68	111,03	105,01	98,85	92,37
4327	MLI Rad +Y-Z	107,17	100,58	110,94	104,90	98,75	92,33
4328	MLI Rad +Y-Z	107,12	100,55	110,88	104,87	98,72	92,36
4329	MLI Rad +Y-Z	106,50	100,27	110,29	104,61	98,43	92,31
4332	MLI Rad +Y-Z	102,97	99,36	107,31	103,96	97,35	92,43
4333	MLI Rad +Y-Z	107,43	100,98	111,29	105,37	99,12	92,58
4337	MLI Rad +Y-Z	106,41	100,26	110,25	104,64	98,40	92,34
4340	MLI Rad +Y-Z	103,03	99,39	107,36	103,97	97,35	92,45



4341	MLI Rad +Y-Z	106,60	101,01	110,63	105,51	99,11	93,41
4342	MLI Rad +Y-Z	106,14	100,29	110,06	104,73	98,41	97,14
4343	MLI Rad +Y-Z	105,96	100,04	109,86	104,48	98,16	93,06
4344	MLI Rad +Y-Z	105,79	100,01	109,72	104,46	98,10	92,58
4345	MLI Rad +Y-Z	105,40	100,08	109,46	104,62	98,12	92,51
4346	MLI Rad +Y-Z	103,61	99,29	107,82	103,86	97,30	92,42
4347	MLI Rad +Y-Z	103,28	99,38	107,56	103,96	97,29	92,55
4348	MLI Rad +Y-Z	103,74	100,04	108,09	104,65	97,94	92,81
4401	MLI Rad -Z	106,49	104,96	111,37	109,76	101,80	96,61
4402	MLI Rad -Z	106,46	104,78	111,53	109,80	101,56	97,54
4403	MLI Rad -Z	105,67	103,94	110,67	108,90	101,27	95,23
4404	MLI Rad -Z	106,34	104,51	111,45	109,57	101,60	95,64
4405	MLI Rad -Z	107,47	105,31	112,93	110,73	101,43	97,11
4406	MLI Rad -Z	109,43	107,03	114,95	112,53	101,87	97,85
4407	MLI Rad -Z	109,69	107,13	115,08	112,51	102,05	97,23
4408	MLI Rad -Z	108,76	105,98	113,71	110,94	102,26	95,45
4409	MLI Rad -Z	108,85	106,02	113,20	110,36	103,39	94,12
4410	MLI Rad -Z	108,07	105,21	112,31	109,46	103,02	93,43
4411	MLI Rad -Z	105,56	102,45	109,78	106,84	100,39	92,83
4412	MLI Rad -Z	105,84	102,47	110,13	106,93	100,49	92,97
4413	MLI Rad -Z	105,71	104,09	110,48	108,81	101,75	94,65
4414	MLI Rad -Z	105,69	104,00	110,60	108,87	101,36	95,12
4416	MLI Rad -Z	106,66	104,83	111,65	109,78	101,73	96,11
4417	MLI Rad -Z	109,32	107,11	114,68	112,42	102,20	100,70
4418	MLI Rad -Z	123,43	120,73	129,12	126,40	111,91	110,81
4419	MLI Rad -Z	123,68	120,78	129,29	126,39	111,46	110,53
4420	MLI Rad -Z	111,15	108,20	116,05	113,11	102,62	97,86
4424	MLI Rad -Z	104,83	101,28	108,96	105,65	99,23	92,66
4425	MLI Rad -Z	105,76	104,21	110,17	108,56	102,24	93,52
4426	MLI Rad -Z	105,60	103,89	110,36	108,62	101,53	94,04
4427	MLI Rad -Z	105,67	103,94	110,47	108,72	101,42	94,43
4428	MLI Rad -Z	107,25	105,39	112,24	110,31	102,19	96,75
4429	MLI Rad -Z	110,48	108,24	115,78	113,48	103,09	99,16
4430	MLI Rad -Z	121,70	118,90	127,38	124,55	110,43	108,41
4431	MLI Rad -Z	123,57	120,13	129,11	125,71	110,87	110,06
4432	MLI Rad -Z	113,38	109,83	118,20	114,68	103,25	100,28
4436	MLI Rad -Z	105,32	101,30	109,37	105,62	99,04	93,06
4437	MLI Rad -Z	106,48	104,93	110,74	109,10	103,04	92,99
4440	MLI Rad -Z	108,11	106,34	112,81	110,95	103,38	94,30
4441	MLI Rad -Z	111,06	108,78	116,22	113,88	103,86	97,72
4442	MLI Rad -Z	133,41	129,81	139,32	135,75	125,43	117,54
4443	MLI Rad -Z	136,10	131,51	141,87	137,41	125,99	120,68
4444	MLI Rad -Z	119,13	113,61	123,80	118,46	103,95	107,28
4445	MLI Rad -Z	114,09	109,06	118,30	113,41	102,35	102,52
4446	MLI Rad -Z	110,02	105,98	113,84	109,93	102,14	100,48
4447	MLI Rad -Z	107,01	103,37	110,78	107,31	100,88	94,59
4448	MLI Rad -Z	106,66	102,26	110,69	106,55	100,03	93,54
4449	MLI Rad -Z	106,95	105,32	111,39	109,67	103,01	93,26
4452	MLI Rad -Z	108,21	106,28	112,84	110,84	103,43	94,16
4453	MLI Rad -Z	110,72	108,09	115,75	113,09	103,35	97,23



4454	MLI Rad -Z	129,24	125,39	134,96	131,19	117,24	114,46
4455	MLI Rad -Z	138,35	131,36	143,72	137,07	119,14	125,01
4456	MLI Rad -Z	143,50	132,64	148,14	137,86	114,39	132,44
4457	MLI Rad -Z	126,55	117,69	130,58	122,15	103,20	116,20
4460	MLI Rad -Z	106,59	102,31	110,55	106,50	100,17	93,60
4461	MLI Rad -Z	105,87	104,28	110,09	108,45	102,34	93,06
4462	MLI Rad -Z	105,79	104,09	110,27	108,53	101,88	93,03
4463	MLI Rad -Z	106,32	104,45	110,93	109,02	101,97	93,40
4464	MLI Rad -Z	107,52	105,42	112,33	110,16	102,42	94,28
4465	MLI Rad -Z	108,59	105,91	113,58	110,88	102,16	95,66
4466	MLI Rad -Z	113,20	109,13	118,19	114,21	102,60	101,17
4467	MLI Rad -Z	128,42	119,62	132,95	124,62	103,96	117,99
4468	MLI Rad -Z	151,92	141,11	157,03	146,80	126,33	139,97
4469	MLI Rad -Z	129,70	119,93	133,71	124,43	103,71	119,50
4470	MLI Rad -Z	112,90	107,92	116,67	111,83	102,66	100,88
4471	MLI Rad -Z	108,30	104,61	112,08	108,51	102,09	95,32
4472	MLI Rad -Z	107,16	102,78	111,20	107,04	100,51	93,95
4501	MLI Rad -Y-Z	106,40	105,95	108,24	107,72	105,16	94,03
4505	MLI Rad -Y-Z	107,18	106,75	108,90	108,42	105,89	92,95
4506	MLI Rad -Y-Z	107,47	107,02	109,30	108,80	105,94	93,90
4507	MLI Rad -Y-Z	106,81	106,27	109,17	108,58	104,25	94,69
4508	MLI Rad -Y-Z	106,06	105,41	108,72	108,03	103,24	94,58
4513	MLI Rad -Y-Z	107,07	106,66	108,77	108,31	105,65	93,06
4514	MLI Rad -Y-Z	106,76	106,34	108,42	107,95	105,53	92,93
4515	MLI Rad -Y-Z	105,35	104,93	107,05	106,58	103,85	93,60
4516	MLI Rad -Y-Z	105,20	104,76	106,99	106,53	103,50	93,96
4523	MLI Rad -Y-Z	102,58	102,32	103,56	103,28	101,95	92,83
4524	MLI Rad -Y-Z	104,82	104,63	105,51	105,32	104,12	94,78
4532	MLI Rad -Y-Z	106,60	107,04	105,02	105,56	107,35	99,17
4533	MLI Rad -Y-Z	104,66	104,16	106,49	105,92	103,52	93,12
4534	MLI Rad -Y-Z	104,76	104,26	106,58	106,01	103,62	93,09
4535	MLI Rad -Y-Z	104,37	103,87	106,17	105,61	103,25	93,08
4536	MLI Rad -Y-Z	101,44	100,98	103,12	102,59	100,27	92,95
4540	MLI Rad -Y-Z	102,10	102,27	101,42	101,64	102,44	94,37
4541	MLI Rad -Y-Z	105,05	104,52	106,95	106,36	103,75	93,92
4542	MLI Rad -Y-Z	104,99	104,47	106,86	106,27	103,81	93,23
4543	MLI Rad -Y-Z	104,76	104,23	106,63	106,04	103,58	93,29
4544	MLI Rad -Y-Z	102,29	101,76	104,09	103,50	101,04	95,06
4545	MLI Rad -Y-Z	101,21	100,72	102,87	102,33	100,10	93,62
4548	MLI Rad -Y-Z	101,94	101,93	101,81	101,83	101,84	93,96
4601	MLI Rad -Y	126,90	125,44	132,67	131,33	99,22	117,89
4609	MLI Rad -Y	121,66	121,27	127,45	127,08	104,97	112,33
4610	MLI Rad -Y	121,56	120,90	128,13	127,49	105,04	112,02
4611	MLI Rad -Y	122,06	121,30	129,13	128,37	105,12	112,83
4612	MLI Rad -Y	121,35	120,60	130,08	129,35	105,21	112,22
4613	MLI Rad -Y	115,04	113,53	116,86	115,36	97,10	106,66
4621	MLI Rad -Y	106,00	105,61	107,44	107,02	102,87	96,06
4622	MLI Rad -Y	106,14	105,42	108,80	108,04	103,10	96,41
4623	MLI Rad -Y	105,83	104,99	108,86	107,95	102,77	96,88
4624	MLI Rad -Y	105,70	104,87	109,50	108,63	102,63	97,42



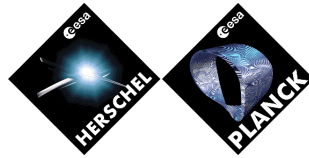
4625	MLI Rad -Y	117,37	115,79	119,16	117,59	99,23	108,40
4626	MLI Rad -Y	107,47	106,06	109,12	107,74	97,46	99,28
4630	MLI Rad -Y	107,22	106,86	108,02	107,65	104,59	97,54
4631	MLI Rad -Y	107,65	107,27	108,68	108,28	105,02	95,35
4632	MLI Rad -Y	106,62	106,23	107,75	107,33	104,85	95,75
4633	MLI Rad -Y	107,06	106,37	109,07	108,35	104,25	94,87
4634	MLI Rad -Y	106,35	105,56	108,75	107,91	104,01	96,18
4635	MLI Rad -Y	105,87	105,04	108,56	107,67	102,84	97,47
4636	MLI Rad -Y	105,12	104,29	107,81	106,92	102,64	98,05
4637	MLI Rad -Y	121,16	119,62	122,99	121,42	102,07	111,75
4638	MLI Rad -Y	112,34	110,95	113,84	112,45	101,37	101,79
4642	MLI Rad -Y	109,18	108,72	110,28	109,79	106,33	95,62
4647	MLI Rad -Y	104,75	103,91	107,41	106,50	102,49	95,84
4648	MLI Rad -Y	105,01	104,17	107,60	106,71	102,58	96,79
4649	MLI Rad -Y	126,84	125,37	131,17	129,76	106,05	117,23
4650	MLI Rad -Y	118,70	117,36	120,21	118,83	104,20	107,88
4659	MLI Rad -Y	104,54	103,63	107,23	106,27	102,24	95,21
4660	MLI Rad -Y	104,63	103,73	107,35	106,38	102,18	95,89
4661	MLI Rad -Y	140,20	138,79	142,16	140,71	113,27	130,59
4662	MLI Rad -Y	127,40	126,03	131,31	130,00	107,48	117,15
4668	MLI Rad -Y	102,98	102,29	104,58	103,86	100,76	93,86
4669	MLI Rad -Y	104,02	103,18	106,26	105,37	101,73	94,73
4670	MLI Rad -Y	104,81	103,87	107,36	106,37	102,08	100,23
4671	MLI Rad -Y	104,78	103,77	107,71	106,65	102,12	97,02
4672	MLI Rad -Y	104,41	103,44	107,38	106,35	101,97	95,58
4701	MLI Rad -Y+Z	369,19	369,08	356,39	356,26	348,11	360,77
4702	MLI Rad -Y+Z	369,24	369,12	356,53	356,39	348,12	360,81
4703	MLI Rad -Y+Z	369,32	369,21	356,64	356,51	348,18	360,90
4704	MLI Rad -Y+Z	369,26	369,16	356,59	356,46	348,15	360,85
4705	MLI Rad -Y+Z	369,43	369,32	356,77	356,63	348,30	361,01
4706	MLI Rad -Y+Z	369,42	369,31	356,78	356,65	348,29	361,00
4707	MLI Rad -Y+Z	369,65	369,54	357,03	356,89	348,48	361,22
4708	MLI Rad -Y+Z	372,00	371,90	359,36	359,22	349,99	363,53
4713	MLI Rad -Y+Z	369,39	369,30	356,80	356,68	348,19	360,98
4716	MLI Rad -Y+Z	373,08	372,97	360,30	360,17	350,92	364,58
4717	MLI Rad -Y+Z	369,08	368,99	356,48	356,36	347,94	360,68
4721	MLI Rad -Y+Z	369,61	369,52	357,53	357,41	348,29	361,20
4724	MLI Rad -Y+Z	373,96	373,86	361,55	361,43	351,55	365,45
4725	MLI Rad -Y+Z	369,22	369,13	356,63	356,51	348,07	360,82
4729	MLI Rad -Y+Z	371,04	370,95	359,63	359,51	349,39	362,60
4732	MLI Rad -Y+Z	374,78	374,68	362,98	362,85	352,30	366,24
4737	MLI Rad -Y+Z	374,14	374,03	365,11	364,98	351,35	365,61
4740	MLI Rad -Y+Z	378,07	377,94	367,90	367,74	351,02	369,42
4741	MLI Rad -Y+Z	382,49	382,37	373,31	373,16	331,56	373,76
4742	MLI Rad -Y+Z	383,25	383,11	378,26	378,09	318,05	374,47
4743	MLI Rad -Y+Z	383,51	383,35	381,92	381,74	302,84	374,72
4744	MLI Rad -Y+Z	383,65	383,49	384,35	384,17	284,91	374,85
4745	MLI Rad -Y+Z	384,01	383,83	386,86	386,67	265,17	375,20
4746	MLI Rad -Y+Z	384,97	384,79	389,40	389,21	240,61	376,12
4747	MLI Rad -Y+Z	383,81	383,62	388,17	387,97	200,68	374,98



4748	MLI Rad -Y+Z	383,22	383,05	381,91	381,72	154,07	374,37
4902	MLI AAD BOX	343,15	342,98	350,53	350,31	277,07	335,04
4904	MLI VMC	356,06	355,73	353,74	353,36	310,67	347,67
4905	MLI SAS_BRK +Z	314,27	314,06	325,19	324,97	267,50	306,89
4906	MLI SAS +Z	289,83	289,47	311,02	310,67	258,16	282,66
4921	MLI LGA+Z	383,62	381,78	386,21	384,37	316,85	374,61
4941	MLI LGA-Z	167,68	149,25	171,93	154,40	124,87	157,62
4945	MLI SAS_BRK -Z	132,62	129,51	138,34	135,26	110,57	118,68
4946	MLI SAS -Z	141,68	138,53	147,68	144,57	126,15	127,09
4949	MLI SREM	135,84	131,41	141,56	137,26	123,38	120,11
4950	MLI AAD CYL1	334,07	333,93	350,88	350,70	292,05	326,08
4953	MLI AAD CYL2	337,00	336,81	350,28	350,05	308,19	328,90
4956	MLI AAD HOUSING	419,44	419,41	382,01	381,90	383,87	409,81
5050	Shear Web1 +Z	301,25	290,98	313,80	303,55	274,15	267,78
5051	Shear Web1 +Z	300,90	290,15	314,35	303,86	272,61	266,69
5052	Shear Web1 +Z	301,14	291,17	313,25	303,01	275,89	269,94
5053	Shear Web1 +Z	304,47	290,36	317,34	303,70	273,01	267,35
5054	Shear Web1 +Z	301,07	290,89	312,92	302,69	274,10	267,42
5055	Shear Web1 +Z	299,90	289,28	312,40	301,92	272,54	265,55
5056	Shear Web1 +Z	301,27	290,91	313,06	302,69	273,89	267,09
5057	Shear Web1 +Z	299,63	289,38	312,07	301,88	272,65	265,94
5058	Shear Web1 +Z	301,44	291,01	313,27	302,84	273,84	267,19
5059	Shear Web1 +Z	302,27	292,20	314,31	304,27	274,31	270,86
5060	Shear Web1 +Z	301,29	291,13	313,88	303,74	274,32	267,97
5061	Shear Web1 +Z	300,95	290,32	314,45	304,07	272,79	266,90
5062	Shear Web1 +Z	301,19	291,32	313,36	303,22	275,98	270,02
5063	Shear Web1 +Z	304,52	290,51	317,44	303,90	273,17	267,53
5064	Shear Web1 +Z	301,13	291,06	313,03	302,90	274,30	267,62
5065	Shear Web1 +Z	299,96	289,45	312,51	302,12	272,74	265,76
5066	Shear Web1 +Z	301,31	291,07	313,14	302,88	274,08	267,28
5067	Shear Web1 +Z	299,68	289,54	312,16	302,07	272,84	266,13
5068	Shear Web1 +Z	301,46	291,15	313,33	303,01	274,02	267,38
5069	Shear Web1 +Z	302,50	292,52	314,55	304,60	274,57	271,29
5070	Shear Web2 +Z	301,09	294,86	311,26	304,28	280,72	275,48
5071	Shear Web2 +Z	298,64	292,08	311,77	304,63	277,98	275,06
5072	Shear Web2 +Z	309,28	305,84	315,59	310,58	296,45	282,02
5073	Shear Web2 +Z	298,83	291,56	310,24	302,51	276,00	273,15
5074	Shear Web2 +Z	320,65	321,72	321,38	319,93	317,82	288,37
5075	Shear Web2 +Z	299,66	292,03	310,49	302,43	276,37	273,28
5076	Shear Web2 +Z	319,36	320,65	319,65	318,31	317,33	286,31
5077	Shear Web2 +Z	300,12	291,80	311,03	302,39	275,88	274,12
5078	Shear Web2 +Z	304,59	297,49	313,07	305,05	283,68	277,39
5079	Shear Web2 +Z	303,93	294,48	314,94	305,42	278,42	279,49
5080	Shear Web2 +Z	300,91	294,67	310,98	304,01	280,53	275,44
5081	Shear Web2 +Z	298,48	291,93	311,49	304,35	277,86	275,07
5082	Shear Web2 +Z	308,69	305,11	315,07	309,94	295,56	281,73
5083	Shear Web2 +Z	298,67	291,38	309,98	302,24	275,80	273,12
5084	Shear Web2 +Z	319,62	320,23	320,70	318,88	315,78	287,95
5085	Shear Web2 +Z	299,52	291,84	310,27	302,17	276,13	273,25
5086	Shear Web2 +Z	318,29	319,02	319,01	317,22	315,11	285,84



5087	Shear Web2 +Z	300,03	291,66	310,86	302,17	275,68	274,13
5088	Shear Web2 +Z	304,50	297,32	312,91	304,81	283,44	277,40
5089	Shear Web2 +Z	303,61	294,17	314,53	305,02	278,09	279,23
5250	Shear Web3 +Y	289,70	283,40	301,52	294,93	271,87	270,51
5251	Shear Web3 +Y	292,31	285,43	305,00	298,02	271,86	270,33
5252	Shear Web3 +Y	290,78	284,65	301,80	295,21	273,10	271,87
5253	Shear Web3 +Y	293,38	286,47	305,27	298,14	273,24	271,43
5254	Shear Web3 +Y	294,66	288,34	305,07	298,50	276,02	274,81
5255	Shear Web3 +Y	296,28	289,11	307,58	300,21	275,83	274,34
5256	Shear Web3 +Y	296,80	290,42	306,83	300,25	277,70	276,36
5257	Shear Web3 +Y	296,54	289,06	307,72	300,05	275,54	274,25
5258	Shear Web3 +Y	297,22	290,64	307,27	300,49	277,70	276,52
5259	Shear Web3 +Y	296,45	288,85	307,73	299,96	275,20	273,95
5260	Shear Web3 +Y	289,53	283,24	301,42	294,86	271,89	270,42
5261	Shear Web3 +Y	292,19	285,34	304,99	298,04	271,94	270,28
5262	Shear Web3 +Y	290,59	284,48	301,70	295,14	273,10	271,75
5263	Shear Web3 +Y	293,25	286,37	305,23	298,14	273,30	271,36
5264	Shear Web3 +Y	294,41	288,13	304,87	298,36	276,00	274,64
5265	Shear Web3 +Y	296,07	288,93	307,44	300,11	275,80	274,18
5266	Shear Web3 +Y	296,62	290,29	306,69	300,16	277,74	276,24
5267	Shear Web3 +Y	296,34	288,91	307,59	299,99	275,55	274,11
5268	Shear Web3 +Y	297,01	290,51	307,11	300,40	277,75	276,38
5269	Shear Web3 +Y	296,26	288,72	307,62	299,90	275,22	273,81
5270	Shear Web4 +Y	288,02	280,82	302,13	294,74	274,69	263,78
5271	Shear Web4 +Y	288,51	280,89	303,39	295,43	274,06	262,76
5272	Shear Web4 +Y	288,20	280,94	301,51	294,03	274,82	263,73
5273	Shear Web4 +Y	288,51	280,42	302,90	294,79	273,38	261,03
5274	Shear Web4 +Y	287,94	280,39	300,94	293,32	273,90	262,77
5275	Shear Web4 +Y	288,45	279,96	302,46	294,07	272,82	259,95
5276	Shear Web4 +Y	288,36	280,60	301,13	293,34	274,11	262,77
5277	Shear Web4 +Y	288,56	279,78	302,44	293,80	272,60	259,52
5278	Shear Web4 +Y	288,66	280,71	301,39	293,44	274,13	262,72
5279	Shear Web4 +Y	288,71	279,80	302,62	293,85	272,55	259,44
5280	Shear Web4 +Y	287,90	280,66	302,01	294,57	274,57	263,55
5281	Shear Web4 +Y	288,45	280,78	303,28	295,25	274,03	262,58
5282	Shear Web4 +Y	288,05	280,75	301,37	293,83	274,67	263,47
5283	Shear Web4 +Y	288,41	280,27	302,79	294,61	273,29	260,78
5284	Shear Web4 +Y	287,76	280,15	300,76	293,08	273,70	262,45
5285	Shear Web4 +Y	288,35	279,79	302,34	293,88	272,71	259,67
5286	Shear Web4 +Y	288,16	280,34	300,91	293,07	273,89	262,44
5287	Shear Web4 +Y	288,46	279,61	302,33	293,61	272,48	259,25
5288	Shear Web4 +Y	288,47	280,46	301,20	293,18	273,92	262,39
5289	Shear Web4 +Y	288,63	279,64	302,52	293,67	272,44	259,18
5450	Shear Web5 -Z	289,04	281,54	304,00	296,41	276,03	250,01
5451	Shear Web5 -Z	288,27	280,30	304,42	296,49	274,07	252,07
5452	Shear Web5 -Z	289,24	281,90	303,85	296,24	276,46	251,62
5453	Shear Web5 -Z	288,76	280,90	304,25	296,13	274,92	254,44
5454	Shear Web5 -Z	289,50	282,48	303,52	295,73	277,37	255,84
5455	Shear Web5 -Z	288,99	281,13	303,83	295,43	275,37	256,61
5456	Shear Web5 -Z	288,92	281,67	303,06	294,99	276,45	257,18



5457	Shear Web5 -Z	287,96	278,96	303,18	294,17	272,81	253,75
5458	Shear Web5 -Z	288,31	280,75	302,71	294,41	275,39	257,04
5459	Shear Web5 -Z	285,56	275,21	300,18	289,71	269,87	254,30
5460	Shear Web5 -Z	288,93	281,45	303,92	296,36	275,92	250,05
5461	Shear Web5 -Z	288,19	280,26	304,38	296,49	274,02	252,11
5462	Shear Web5 -Z	289,14	281,82	303,79	296,20	276,37	251,69
5463	Shear Web5 -Z	288,69	280,89	304,22	296,14	274,90	254,54
5464	Shear Web5 -Z	289,46	282,50	303,48	295,74	277,39	256,00
5465	Shear Web5 -Z	288,96	281,19	303,81	295,48	275,43	256,77
5466	Shear Web5 -Z	288,90	281,71	303,05	295,03	276,50	257,31
5467	Shear Web5 -Z	287,92	278,98	303,17	294,22	272,81	253,78
5468	Shear Web5 -Z	288,29	280,78	302,71	294,45	275,44	257,16
5469	Shear Web5 -Z	285,65	275,45	300,31	289,96	270,08	254,48
5470	Shear Web6 -Z	285,73	279,46	302,23	295,78	273,21	254,75
5471	Shear Web6 -Z	286,20	279,73	303,62	297,06	272,83	253,71
5472	Shear Web6 -Z	286,56	280,24	302,51	295,97	274,06	254,38
5473	Shear Web6 -Z	286,86	280,38	303,69	297,07	273,56	253,92
5474	Shear Web6 -Z	287,96	281,75	303,34	296,87	275,66	252,59
5475	Shear Web6 -Z	287,36	280,87	303,71	297,05	274,10	253,61
5476	Shear Web6 -Z	288,63	282,45	303,73	297,27	276,42	251,40
5477	Shear Web6 -Z	287,46	280,91	303,68	296,96	274,13	253,35
5478	Shear Web6 -Z	288,11	281,89	303,31	296,80	275,78	251,28
5479	Shear Web6 -Z	287,17	280,55	303,49	296,73	273,67	253,25
5480	Shear Web6 -Z	285,73	279,49	302,23	295,80	273,23	254,76
5481	Shear Web6 -Z	286,20	279,75	303,62	297,09	272,85	253,73
5482	Shear Web6 -Z	286,57	280,27	302,52	296,00	274,08	254,39
5483	Shear Web6 -Z	286,87	280,41	303,70	297,10	273,58	253,92
5484	Shear Web6 -Z	287,99	281,81	303,37	296,93	275,72	252,56
5485	Shear Web6 -Z	287,37	280,90	303,73	297,10	274,13	253,60
5486	Shear Web6 -Z	288,69	282,53	303,77	297,34	276,50	251,35
5487	Shear Web6 -Z	287,48	280,95	303,69	297,01	274,16	253,33
5488	Shear Web6 -Z	288,15	281,95	303,33	296,86	275,84	251,23
5489	Shear Web6 -Z	287,18	280,60	303,50	296,78	273,71	253,24
5650	Shear Web7 -Y	287,00	282,53	301,85	296,86	276,68	257,62
5651	Shear Web7 -Y	287,57	281,34	305,33	299,08	272,45	256,04
5652	Shear Web7 -Y	287,29	282,40	302,51	297,12	275,90	257,50
5653	Shear Web7 -Y	287,84	281,60	305,05	298,69	272,83	256,45
5654	Shear Web7 -Y	287,31	281,99	302,66	297,04	274,95	256,01
5655	Shear Web7 -Y	287,78	281,42	304,63	298,21	272,65	255,72
5656	Shear Web7 -Y	287,23	281,71	302,60	296,85	274,39	255,38
5657	Shear Web7 -Y	287,48	281,12	304,10	297,69	272,40	255,21
5658	Shear Web7 -Y	287,00	281,60	301,93	296,30	274,42	255,49
5659	Shear Web7 -Y	286,84	280,45	303,47	297,03	271,72	254,63
5660	Shear Web7 -Y	287,00	282,52	301,82	296,83	276,65	257,57
5661	Shear Web7 -Y	287,61	281,35	305,41	299,13	272,38	256,08
5662	Shear Web7 -Y	287,30	282,40	302,51	297,11	275,87	257,48
5663	Shear Web7 -Y	287,88	281,60	305,12	298,73	272,76	256,47
5664	Shear Web7 -Y	287,33	281,99	302,68	297,05	274,93	256,02
5665	Shear Web7 -Y	287,82	281,42	304,69	298,24	272,58	255,76
5666	Shear Web7 -Y	287,24	281,71	302,62	296,85	274,37	255,39



5667	Shear Web7 -Y	287,51	281,11	304,15	297,70	272,33	255,25
5668	Shear Web7 -Y	287,02	281,60	301,93	296,29	274,40	255,51
5669	Shear Web7 -Y	286,84	280,42	303,48	297,01	271,64	254,65
5670	Shear Web8 -Y	293,39	282,65	305,83	295,06	270,02	258,21
5671	Shear Web8 -Y	294,46	283,91	310,17	300,09	269,46	259,00
5672	Shear Web8 -Y	294,81	283,74	307,31	295,80	270,32	259,74
5673	Shear Web8 -Y	294,74	284,13	309,69	299,41	269,77	259,30
5674	Shear Web8 -Y	295,49	283,84	307,81	296,33	269,14	257,50
5675	Shear Web8 -Y	294,40	283,95	308,84	298,73	269,30	258,78
5676	Shear Web8 -Y	296,84	284,83	309,14	297,44	270,03	257,61
5677	Shear Web8 -Y	294,29	283,99	308,47	298,47	269,27	258,78
5678	Shear Web8 -Y	296,98	285,39	309,00	297,70	271,40	257,69
5679	Shear Web8 -Y	294,31	284,07	308,50	298,55	269,43	259,03
5680	Shear Web8 -Y	293,49	282,66	305,94	295,07	269,94	258,24
5681	Shear Web8 -Y	294,69	283,99	310,30	300,07	269,43	259,04
5682	Shear Web8 -Y	294,93	283,80	307,41	295,82	270,33	259,84
5683	Shear Web8 -Y	294,97	284,21	309,83	299,39	269,74	259,33
5684	Shear Web8 -Y	295,61	283,87	307,89	296,32	269,08	257,51
5685	Shear Web8 -Y	294,60	284,02	308,94	298,70	269,25	258,79
5686	Shear Web8 -Y	296,97	284,87	309,24	297,44	269,98	257,62
5687	Shear Web8 -Y	294,47	284,05	308,56	298,45	269,21	258,80
5688	Shear Web8 -Y	297,14	285,42	309,15	297,71	271,34	257,71
5689	Shear Web8 -Y	294,49	284,13	308,60	298,53	269,38	259,04
6001	Internal Rad +Z	298,83	292,53	307,49	300,53	276,47	274,40
6002	Internal Rad +Z	301,95	295,84	311,43	304,61	281,11	277,13
6003	Internal Rad +Z	304,41	298,52	314,96	308,31	284,37	277,87
6004	Internal Rad +Z	304,84	298,80	316,16	309,42	284,51	277,72
6005	Internal Rad +Z	304,52	298,10	316,53	309,54	283,31	277,02
6006	Internal Rad +Z	304,11	297,32	316,59	309,34	282,07	276,31
6007	Internal Rad +Z	303,71	296,49	316,53	308,96	280,78	275,46
6008	Internal Rad +Z	303,41	295,77	316,39	308,49	279,74	274,62
6009	Internal Rad +Z	303,15	294,93	316,13	307,74	278,57	273,42
6010	Internal Rad +Z	302,93	293,95	315,70	306,65	277,24	271,84
6011	Internal Rad +Z	302,67	292,02	314,82	304,25	274,61	268,68
6012	Internal Rad +Z	302,24	290,64	313,83	302,36	272,53	266,33
6013	Internal Rad +Z	301,39	295,12	309,31	302,27	279,74	276,36
6014	Internal Rad +Z	303,99	298,26	312,21	305,60	284,43	278,26
6015	Internal Rad +Z	306,07	300,63	315,46	309,10	287,32	279,07
6016	Internal Rad +Z	305,75	299,93	316,46	309,85	286,01	278,42
6017	Internal Rad +Z	304,96	298,64	316,58	309,64	284,03	277,45
6018	Internal Rad +Z	304,32	297,55	316,53	309,27	282,36	276,55
6019	Internal Rad +Z	303,88	296,68	316,43	308,85	281,02	275,71
6020	Internal Rad +Z	303,59	295,95	316,29	308,36	279,94	274,85
6021	Internal Rad +Z	303,38	295,20	316,05	307,68	278,88	273,79
6022	Internal Rad +Z	303,14	294,15	315,57	306,47	277,51	272,15
6023	Internal Rad +Z	302,85	292,38	314,70	304,24	275,15	269,32
6024	Internal Rad +Z	302,64	291,18	314,04	302,68	273,32	267,17
6025	Internal Rad +Z	301,83	295,39	308,50	301,20	279,36	275,90
6026	Internal Rad +Z	306,48	301,27	313,38	307,07	287,97	279,65
6027	Internal Rad +Z	308,57	303,87	316,64	310,78	291,45	280,64



6028	Internal Rad +Z	306,91	301,43	316,90	310,51	288,00	279,16
6029	Internal Rad +Z	305,43	299,23	316,64	309,76	284,87	277,75
6030	Internal Rad +Z	304,48	297,75	316,41	309,15	282,71	276,66
6031	Internal Rad +Z	303,93	296,73	316,24	308,65	281,18	275,75
6032	Internal Rad +Z	303,61	295,98	316,08	308,15	280,04	274,88
6033	Internal Rad +Z	303,44	295,29	315,87	307,49	279,01	273,87
6034	Internal Rad +Z	303,23	294,28	315,40	306,31	277,65	272,24
6035	Internal Rad +Z	302,79	292,37	314,36	303,93	275,11	269,21
6036	Internal Rad +Z	301,92	290,53	312,97	301,63	272,27	266,17
6037	Internal Rad +Z	303,29	296,32	309,55	301,70	280,15	277,12
6038	Internal Rad +Z	307,87	302,62	314,30	307,88	289,33	280,52
6039	Internal Rad +Z	309,69	305,17	317,25	311,49	292,88	281,28
6040	Internal Rad +Z	307,50	302,10	317,11	310,75	288,76	279,50
6041	Internal Rad +Z	305,75	299,59	316,66	309,78	285,29	277,94
6042	Internal Rad +Z	304,62	297,89	316,32	309,05	282,86	276,72
6043	Internal Rad +Z	303,99	296,80	316,12	308,51	281,23	275,76
6044	Internal Rad +Z	303,67	296,04	315,95	308,00	280,04	274,89
6045	Internal Rad +Z	303,50	295,35	315,75	307,37	278,95	273,87
6046	Internal Rad +Z	303,35	294,40	315,32	306,23	277,51	272,25
6047	Internal Rad +Z	303,05	292,58	314,35	303,87	274,98	269,23
6048	Internal Rad +Z	302,24	290,71	313,06	301,59	272,15	266,16
6049	Internal Rad +Z	305,31	297,56	312,09	303,50	281,49	279,41
6050	Internal Rad +Z	307,62	301,59	314,50	307,40	287,53	280,60
6051	Internal Rad +Z	308,70	303,58	316,82	310,57	290,32	280,62
6052	Internal Rad +Z	307,16	301,51	316,94	310,37	287,55	279,24
6053	Internal Rad +Z	305,78	299,54	316,63	309,69	284,88	277,94
6054	Internal Rad +Z	304,75	298,00	316,34	309,05	282,66	276,78
6055	Internal Rad +Z	304,12	296,92	316,14	308,51	281,02	275,81
6056	Internal Rad +Z	303,78	296,12	315,97	308,00	279,75	274,90
6057	Internal Rad +Z	303,65	295,48	315,81	307,40	278,61	273,91
6058	Internal Rad +Z	303,55	294,56	315,41	306,29	277,06	272,29
6059	Internal Rad +Z	303,44	292,86	314,74	304,16	274,75	269,40
6060	Internal Rad +Z	303,41	291,65	314,20	302,53	272,90	267,20
6061	Internal Rad +Z	304,98	295,33	312,31	302,06	277,19	279,61
6062	Internal Rad +Z	306,13	298,79	313,98	305,81	282,72	279,87
6063	Internal Rad +Z	307,25	301,23	315,95	308,97	286,42	279,80
6064	Internal Rad +Z	306,68	300,72	316,54	309,73	285,84	278,89
6065	Internal Rad +Z	305,75	299,45	316,61	309,60	283,98	277,88
6066	Internal Rad +Z	304,81	298,05	316,44	309,13	281,92	276,74
6067	Internal Rad +Z	304,15	296,91	316,23	308,58	280,18	275,71
6068	Internal Rad +Z	303,82	296,09	316,06	308,02	278,80	274,72
6069	Internal Rad +Z	303,73	295,50	315,92	307,47	277,61	273,81
6070	Internal Rad +Z	303,65	294,64	315,44	306,30	276,04	272,28
6071	Internal Rad +Z	303,52	292,81	314,86	304,17	273,71	269,15
6072	Internal Rad +Z	303,21	291,29	314,00	302,20	271,59	266,48
6101	Internal Rad +Y+Z	290,68	285,10	297,17	291,26	264,09	267,41
6102	Internal Rad +Y+Z	287,70	282,17	293,75	287,89	260,46	263,72
6103	Internal Rad +Y+Z	284,64	278,99	290,46	284,45	256,40	259,76
6104	Internal Rad +Y+Z	283,84	278,18	289,53	283,50	255,32	258,66
6105	Internal Rad +Y+Z	283,25	277,08	288,51	281,94	253,63	256,95



6106	Internal Rad +Y+Z	283,92	277,51	289,21	282,40	254,17	257,59
6107	Internal Rad +Y+Z	283,46	277,31	288,60	282,02	253,93	256,99
6108	Internal Rad +Y+Z	283,92	277,95	289,11	282,67	254,89	257,45
6109	Internal Rad +Y+Z	291,43	285,80	297,85	291,89	264,95	268,11
6110	Internal Rad +Y+Z	289,08	283,48	295,18	289,25	262,35	265,29
6111	Internal Rad +Y+Z	284,90	279,10	290,59	284,45	256,40	259,99
6112	Internal Rad +Y+Z	284,37	278,36	289,92	283,56	255,31	259,14
6113	Internal Rad +Y+Z	284,11	277,50	289,32	282,34	254,04	257,97
6114	Internal Rad +Y+Z	283,73	277,26	288,80	281,94	253,75	257,43
6115	Internal Rad +Y+Z	283,30	277,07	288,23	281,59	253,53	256,87
6116	Internal Rad +Y+Z	283,74	277,63	288,60	282,04	254,23	257,14
6117	Internal Rad +Y+Z	291,35	285,66	297,67	291,69	264,31	268,18
6118	Internal Rad +Y+Z	289,78	284,00	295,81	289,74	262,16	266,29
6119	Internal Rad +Y+Z	287,38	280,10	293,00	285,46	256,80	262,63
6120	Internal Rad +Y+Z	289,49	280,88	295,56	286,68	257,69	264,28
6121	Internal Rad +Y+Z	288,88	280,13	294,30	285,33	256,88	263,58
6122	Internal Rad +Y+Z	284,20	276,38	288,33	280,23	251,72	258,27
6123	Internal Rad +Y+Z	286,56	278,28	291,26	282,70	254,58	260,83
6124	Internal Rad +Y+Z	286,28	279,27	290,23	282,75	256,08	259,79
6125	Internal Rad +Y+Z	301,38	293,58	308,68	300,86	269,83	279,76
6126	Internal Rad +Y+Z	298,20	290,64	305,13	297,54	266,71	276,12
6127	Internal Rad +Y+Z	289,25	281,48	295,19	287,30	256,75	265,06
6128	Internal Rad +Y+Z	291,42	281,81	297,84	288,08	257,52	266,58
6129	Internal Rad +Y+Z	291,93	281,55	297,83	287,34	258,13	267,13
6130	Internal Rad +Y+Z	290,52	279,93	295,92	285,23	256,14	265,61
6131	Internal Rad +Y+Z	289,85	279,29	294,80	284,11	255,28	264,82
6132	Internal Rad +Y+Z	289,14	279,81	293,01	283,36	256,03	263,39
6133	Internal Rad +Y+Z	304,18	295,82	311,91	303,58	271,55	282,67
6134	Internal Rad +Y+Z	302,15	293,78	309,87	301,55	269,03	280,39
6135	Internal Rad +Y+Z	293,54	284,11	300,96	291,59	257,83	269,81
6136	Internal Rad +Y+Z	293,46	282,45	300,58	289,66	256,12	269,32
6137	Internal Rad +Y+Z	300,73	281,50	307,17	288,27	254,79	276,97
6138	Internal Rad +Y+Z	303,22	281,51	309,52	288,16	254,75	279,53
6139	Internal Rad +Y+Z	303,59	281,67	309,70	288,10	255,18	279,82
6140	Internal Rad +Y+Z	301,04	281,46	306,60	287,26	255,42	277,06
6141	Internal Rad +Y+Z	303,89	295,51	312,40	304,07	269,92	282,31
6142	Internal Rad +Y+Z	303,63	292,02	313,21	301,90	263,72	281,61
6143	Internal Rad +Y+Z	304,41	289,09	314,44	299,60	259,66	282,06
6144	Internal Rad +Y+Z	303,04	288,38	313,14	298,96	258,48	280,52
6145	Internal Rad +Y+Z	303,21	282,51	310,79	290,54	253,79	279,61
6146	Internal Rad +Y+Z	304,72	282,01	311,58	289,29	254,13	281,07
6147	Internal Rad +Y+Z	304,69	281,93	311,10	288,73	254,51	280,96
6148	Internal Rad +Y+Z	303,01	282,36	309,01	288,68	255,49	279,09
6149	DOUBLER TWTA1	306,21	282,16	312,47	288,76	255,47	282,44
6150	DOUBLER TWTA1	306,66	282,09	313,14	288,94	255,15	282,98
6151	DOUBLER TWTA1	306,12	282,14	312,81	289,21	254,99	282,46
6152	DOUBLER TWTA2	284,10	277,83	289,38	282,67	254,55	257,59
6153	DOUBLER TWTA2	284,07	277,69	289,40	282,59	254,36	257,63
6154	DOUBLER TWTA2	284,15	277,71	289,54	282,68	254,37	257,78
6201	Internal Rad +Y	285,01	277,15	299,50	291,33	271,72	258,78



6202	Internal Rad +Y	286,36	279,17	300,40	292,89	273,59	262,36
6203	Internal Rad +Y	289,93	283,75	302,72	296,38	277,77	268,59
6204	Internal Rad +Y	290,85	284,90	303,38	297,30	278,82	270,24
6205	Internal Rad +Y	290,70	284,74	303,35	297,26	278,53	269,87
6206	Internal Rad +Y	287,63	281,20	301,37	294,88	274,57	265,25
6207	Internal Rad +Y	284,02	277,58	297,99	291,46	271,40	263,87
6208	Internal Rad +Y	279,27	273,25	292,43	286,25	269,32	264,92
6209	Internal Rad +Y	278,21	272,44	291,15	285,11	268,60	265,76
6210	Internal Rad +Y	280,52	274,61	293,21	287,00	268,28	265,79
6211	Internal Rad +Y	287,32	281,01	299,10	292,52	269,70	268,86
6212	Internal Rad +Y	290,89	284,60	301,08	294,53	269,25	270,21
6213	Internal Rad +Y	284,56	276,48	298,44	290,19	270,81	257,64
6214	Internal Rad +Y	285,59	278,37	298,87	291,44	272,62	261,45
6215	Internal Rad +Y	289,20	283,61	300,96	295,22	277,73	270,15
6216	Internal Rad +Y	290,04	284,54	301,76	296,11	278,61	271,27
6217	Internal Rad +Y	290,02	284,48	301,84	296,16	278,49	271,18
6218	Internal Rad +Y	286,22	280,32	299,40	293,34	273,53	266,43
6219	Internal Rad +Y	281,20	275,40	294,32	288,35	269,23	263,28
6220	Internal Rad +Y	266,43	261,53	277,31	272,26	258,12	254,90
6221	Internal Rad +Y	263,58	258,86	273,90	269,00	255,65	253,59
6222	Internal Rad +Y	268,99	263,91	279,37	274,07	257,75	256,01
6223	Internal Rad +Y	284,24	278,07	295,13	288,67	266,61	265,87
6224	Internal Rad +Y	290,66	284,17	300,62	293,86	268,88	269,83
6225	Internal Rad +Y	283,63	275,10	297,00	288,42	269,31	255,37
6226	Internal Rad +Y	285,14	277,77	297,98	290,47	271,90	260,66
6227	Internal Rad +Y	287,43	281,84	298,95	293,23	276,00	268,47
6228	Internal Rad +Y	288,24	282,81	299,70	294,14	276,93	269,77
6229	Internal Rad +Y	288,28	282,85	299,87	294,29	276,86	269,77
6230	Internal Rad +Y	286,36	280,75	298,92	293,09	273,91	267,19
6231	Internal Rad +Y	282,45	277,19	294,49	289,00	270,89	264,99
6232	Internal Rad +Y	271,86	267,19	282,36	277,50	263,46	260,07
6233	Internal Rad +Y	269,93	265,35	280,04	275,27	261,71	259,01
6234	Internal Rad +Y	272,42	267,57	282,33	277,26	261,46	259,05
6235	Internal Rad +Y	286,42	280,27	296,75	290,30	268,25	267,50
6236	Internal Rad +Y	291,69	285,06	301,21	294,32	269,10	270,59
6237	Internal Rad +Y	283,15	274,23	296,24	287,34	268,40	253,87
6238	Internal Rad +Y	286,46	279,04	299,01	291,46	273,01	262,03
6239	Internal Rad +Y	291,90	285,98	303,50	297,41	279,73	271,98
6240	Internal Rad +Y	292,97	287,25	304,46	298,56	280,94	273,66
6241	Internal Rad +Y	292,67	287,01	304,25	298,39	280,59	273,40
6242	Internal Rad +Y	288,44	283,15	300,17	294,63	276,30	269,34
6243	Internal Rad +Y	288,61	284,50	298,25	293,88	277,99	270,90
6244	Internal Rad +Y	290,35	286,32	299,87	295,56	279,80	272,61
6245	Internal Rad +Y	290,25	286,23	299,74	295,44	279,69	272,56
6246	Internal Rad +Y	288,06	283,91	297,43	293,01	277,00	270,57
6247	Internal Rad +Y	290,16	284,17	300,12	293,85	272,22	270,57
6248	Internal Rad +Y	295,19	288,09	304,57	297,27	271,00	273,90
6249	Internal Rad +Y	283,08	273,75	296,10	286,86	267,84	252,93
6250	Internal Rad +Y	286,68	279,45	298,76	291,39	273,43	263,14
6251	Internal Rad +Y	291,60	285,91	302,77	296,92	279,76	272,43



6252	Internal Rad +Y	292,51	286,90	303,68	297,90	280,70	273,54
6253	Internal Rad +Y	292,42	286,83	303,64	297,87	280,57	273,44
6254	Internal Rad +Y	288,85	283,74	300,07	294,72	276,96	269,94
6255	Internal Rad +Y	290,24	286,22	299,72	295,42	279,64	272,35
6256	Internal Rad +Y	292,03	288,01	301,55	297,25	281,33	273,89
6257	Internal Rad +Y	292,03	288,01	301,55	297,25	281,32	273,90
6258	Internal Rad +Y	290,44	286,36	299,82	295,46	279,46	272,51
6259	Internal Rad +Y	292,00	286,21	301,75	295,68	274,87	272,27
6260	Internal Rad +Y	297,82	290,33	307,26	299,63	272,61	276,38
6261	Internal Rad +Y	283,90	274,51	296,84	287,55	268,52	253,85
6262	Internal Rad +Y	287,36	279,55	299,76	291,89	273,40	262,07
6263	Internal Rad +Y	292,87	286,82	304,49	298,27	280,46	272,59
6264	Internal Rad +Y	293,82	288,03	305,33	299,36	281,64	274,26
6265	Internal Rad +Y	293,47	287,78	305,01	299,12	281,29	274,04
6266	Internal Rad +Y	289,53	284,36	300,81	295,39	277,50	270,41
6267	Internal Rad +Y	289,03	285,01	298,47	294,17	278,47	271,29
6268	Internal Rad +Y	291,11	287,11	300,57	296,29	280,47	273,12
6269	Internal Rad +Y	291,16	287,15	300,61	296,32	280,46	273,17
6270	Internal Rad +Y	289,49	285,36	298,78	294,38	278,29	271,65
6271	Internal Rad +Y	293,28	287,20	302,91	296,58	274,82	273,32
6272	Internal Rad +Y	298,28	290,81	307,63	300,02	272,94	277,10
6301	Internal Rad +Y-Z	290,21	280,45	302,15	292,70	275,93	257,02
6302	Internal Rad +Y-Z	294,58	285,36	305,06	296,12	281,33	244,88
6303	Internal Rad +Y-Z	293,85	284,78	304,17	295,39	280,80	244,94
6304	Internal Rad +Y-Z	296,46	287,28	306,89	298,01	283,22	248,05
6305	Internal Rad +Y-Z	295,21	286,06	305,96	297,09	281,88	248,71
6306	Internal Rad +Y-Z	286,60	277,39	299,89	290,85	272,21	250,36
6307	Internal Rad +Y-Z	284,44	275,32	298,61	289,59	269,77	251,60
6308	Internal Rad +Y-Z	284,23	275,40	298,68	289,85	269,77	253,43
6309	Internal Rad +Y-Z	290,72	279,47	302,28	291,50	274,91	286,94
6310	Internal Rad +Y-Z	295,07	285,62	305,55	296,39	281,57	245,46
6311	Internal Rad +Y-Z	294,38	285,02	304,69	295,64	281,01	245,13
6312	Internal Rad +Y-Z	295,00	285,78	305,16	296,27	281,79	247,35
6313	Internal Rad +Y-Z	292,71	283,53	302,87	294,04	279,52	252,94
6314	Internal Rad +Y-Z	283,30	273,82	296,00	286,72	268,67	248,45
6315	Internal Rad +Y-Z	281,88	272,50	295,46	286,23	266,95	249,08
6316	Internal Rad +Y-Z	282,63	273,39	296,57	287,43	267,68	250,89
6317	Internal Rad +Y-Z	291,13	274,87	302,80	287,48	269,87	250,87
6318	Internal Rad +Y-Z	288,04	271,10	298,81	282,93	266,34	242,92
6319	Internal Rad +Y-Z	287,43	270,41	298,14	282,18	265,66	242,38
6320	Internal Rad +Y-Z	287,08	270,09	297,76	281,82	265,35	246,74
6321	Internal Rad +Y-Z	283,74	268,30	294,42	279,91	263,59	242,33
6322	Internal Rad +Y-Z	277,78	267,46	290,10	280,13	262,07	243,89
6323	Internal Rad +Y-Z	278,26	268,13	290,84	281,02	262,63	244,61
6324	Internal Rad +Y-Z	280,68	270,55	293,76	283,86	264,87	246,97
6325	Internal Rad +Y-Z	293,22	274,51	304,92	287,30	269,36	246,20
6326	Internal Rad +Y-Z	293,49	273,88	305,02	286,54	268,76	245,27
6327	Internal Rad +Y-Z	293,42	273,78	304,93	286,43	268,66	245,16
6328	Internal Rad +Y-Z	293,35	273,74	304,86	286,39	268,62	245,28
6329	Internal Rad +Y-Z	291,91	273,08	303,46	285,71	267,95	244,95



6330	Internal Rad +Y-Z	278,18	267,61	290,56	280,34	262,16	243,95
6331	Internal Rad +Y-Z	278,32	268,10	290,87	280,96	262,58	244,49
6332	Internal Rad +Y-Z	280,44	270,14	293,36	283,34	264,47	246,37
6333	Internal Rad +Y-Z	293,28	274,13	304,93	286,91	268,97	246,01
6334	Internal Rad +Y-Z	291,44	272,26	302,71	284,68	267,23	244,99
6335	Internal Rad +Y-Z	291,25	272,08	302,49	284,47	267,06	244,32
6336	Internal Rad +Y-Z	291,31	272,16	302,58	284,58	267,13	244,23
6337	Internal Rad +Y-Z	291,33	272,83	302,96	285,51	267,65	244,97
6338	Internal Rad +Y-Z	278,15	267,46	290,49	280,16	262,02	243,84
6339	Internal Rad +Y-Z	278,18	267,94	290,69	280,77	262,43	244,39
6340	Internal Rad +Y-Z	280,42	270,05	293,32	283,24	264,36	246,22
6341	Internal Rad +Y-Z	290,09	274,07	302,26	287,12	268,79	252,61
6342	Internal Rad +Y-Z	289,10	272,19	301,00	285,05	266,95	266,19
6343	Internal Rad +Y-Z	288,63	271,55	300,48	284,37	266,30	250,18
6344	Internal Rad +Y-Z	288,10	271,40	300,05	284,28	266,10	246,48
6345	Internal Rad +Y-Z	286,65	271,43	298,95	284,50	265,95	245,96
6346	Internal Rad +Y-Z	281,76	269,50	294,37	282,60	263,88	245,40
6347	Internal Rad +Y-Z	280,63	269,56	293,39	282,68	263,86	246,12
6348	Internal Rad +Y-Z	281,93	271,40	294,90	284,66	265,55	248,45
6401	Internal Rad -Z	286,31	281,78	300,64	295,82	276,01	257,69
6402	Internal Rad -Z	285,95	280,97	300,86	295,64	275,08	261,01
6403	Internal Rad -Z	285,32	280,26	300,30	295,00	274,44	255,54
6404	Internal Rad -Z	285,55	280,36	300,71	295,29	274,51	255,46
6405	Internal Rad -Z	284,34	278,24	300,57	294,26	272,15	255,77
6406	Internal Rad -Z	283,23	276,61	299,52	292,71	270,57	251,75
6407	Internal Rad -Z	283,90	276,97	299,83	292,73	271,10	249,75
6408	Internal Rad -Z	287,33	279,92	302,07	294,54	274,50	248,54
6409	Internal Rad -Z	292,97	284,96	305,87	297,83	280,22	247,07
6410	Internal Rad -Z	292,89	284,80	305,67	297,56	280,11	246,70
6411	Internal Rad -Z	285,78	276,95	298,61	289,89	272,21	244,56
6412	Internal Rad -Z	287,05	277,41	299,98	290,54	272,55	247,04
6413	Internal Rad -Z	286,17	281,46	300,47	295,49	275,76	254,88
6414	Internal Rad -Z	285,60	280,59	300,30	295,05	274,82	255,44
6415	Internal Rad -Z	283,50	278,59	297,82	292,70	272,97	253,93
6416	Internal Rad -Z	285,60	280,48	300,42	295,07	274,69	255,76
6417	Internal Rad -Z	284,18	278,14	299,95	293,67	272,12	264,09
6418	Internal Rad -Z	280,13	273,73	295,55	288,94	267,95	250,40
6419	Internal Rad -Z	280,49	273,84	295,63	288,78	268,21	247,98
6420	Internal Rad -Z	285,92	278,64	300,29	292,86	273,33	248,28
6421	Internal Rad -Z	290,87	283,07	303,29	295,47	278,51	247,67
6422	Internal Rad -Z	290,42	282,58	302,68	294,84	278,06	245,28
6423	Internal Rad -Z	274,49	266,41	285,59	277,64	262,26	237,06
6424	Internal Rad -Z	283,99	273,94	296,51	286,68	269,17	243,93
6425	Internal Rad -Z	286,93	282,49	300,06	295,35	277,27	252,32
6426	Internal Rad -Z	285,86	280,91	300,30	295,11	275,22	253,72
6427	Internal Rad -Z	285,52	280,51	300,05	294,82	274,80	254,21
6428	Internal Rad -Z	286,23	281,07	301,01	295,61	275,28	258,23
6429	Internal Rad -Z	285,90	279,87	301,39	295,09	273,85	255,29
6430	Internal Rad -Z	284,97	278,41	300,58	293,75	272,41	251,72
6431	Internal Rad -Z	285,17	278,31	300,49	293,37	272,48	250,27



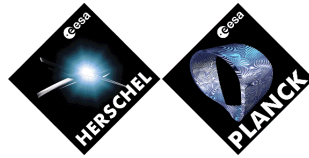
6432	Internal Rad -Z	286,70	279,40	300,96	293,43	274,06	249,26
6433	Internal Rad -Z	290,73	282,92	303,14	295,30	278,36	246,08
6434	Internal Rad -Z	290,33	282,45	302,54	294,66	277,94	245,92
6435	Internal Rad -Z	274,89	266,42	285,73	277,40	262,32	238,48
6436	Internal Rad -Z	284,78	273,37	297,03	285,94	268,56	244,83
6437	Internal Rad -Z	289,94	285,44	302,74	297,98	280,30	248,45
6438	Internal Rad -Z	287,75	283,10	300,91	296,01	277,81	245,70
6439	Internal Rad -Z	287,76	283,08	300,96	296,04	277,78	245,72
6440	Internal Rad -Z	290,42	285,47	304,27	299,05	279,92	248,07
6441	Internal Rad -Z	287,84	281,87	302,85	296,60	275,96	251,18
6442	Internal Rad -Z	288,37	281,81	303,56	296,72	275,90	250,94
6443	Internal Rad -Z	288,37	281,55	303,41	296,30	275,74	250,94
6444	Internal Rad -Z	287,56	280,10	301,90	294,15	274,63	251,57
6445	Internal Rad -Z	288,15	280,07	301,15	292,91	275,16	252,55
6446	Internal Rad -Z	290,31	281,49	301,88	293,09	277,07	264,88
6447	Internal Rad -Z	288,21	278,77	299,72	290,37	274,34	251,56
6448	Internal Rad -Z	288,34	275,84	300,54	288,40	270,96	247,88
6449	Internal Rad -Z	290,19	285,46	303,62	298,61	280,06	247,08
6450	Internal Rad -Z	288,59	283,90	301,84	296,89	278,56	245,68
6451	Internal Rad -Z	288,62	283,91	301,90	296,94	278,57	245,69
6452	Internal Rad -Z	290,81	285,87	304,62	299,40	280,32	247,34
6453	Internal Rad -Z	287,96	281,96	302,88	296,59	276,04	250,12
6454	Internal Rad -Z	287,26	280,61	302,59	295,62	274,59	251,30
6455	Internal Rad -Z	287,14	280,09	302,32	294,96	274,19	251,91
6456	Internal Rad -Z	287,22	279,63	301,68	293,78	274,09	252,44
6457	Internal Rad -Z	287,59	279,40	300,70	292,33	274,41	252,44
6458	Internal Rad -Z	290,01	281,20	301,18	292,44	276,92	253,20
6459	Internal Rad -Z	288,59	279,63	299,61	290,74	275,39	251,86
6460	Internal Rad -Z	288,32	276,15	300,34	288,44	271,35	249,06
6461	Internal Rad -Z	286,87	282,47	299,46	294,77	277,40	248,00
6462	Internal Rad -Z	286,62	281,83	300,20	295,14	276,34	246,63
6463	Internal Rad -Z	286,93	281,91	300,88	295,59	276,26	246,61
6464	Internal Rad -Z	288,11	282,72	302,54	296,88	276,88	248,17
6465	Internal Rad -Z	287,26	281,11	302,34	295,91	275,09	250,19
6466	Internal Rad -Z	286,67	279,92	302,04	294,98	273,86	251,47
6467	Internal Rad -Z	286,58	279,44	301,83	294,37	273,49	252,20
6468	Internal Rad -Z	286,94	279,31	301,58	293,62	273,67	252,76
6469	Internal Rad -Z	288,25	279,78	301,47	292,82	274,70	252,94
6470	Internal Rad -Z	291,34	282,36	302,78	293,85	277,96	253,76
6471	Internal Rad -Z	291,01	281,66	302,45	293,18	277,24	253,30
6472	Internal Rad -Z	289,36	276,96	301,58	289,51	272,00	250,66
6501	Internal Rad -Y-Z	290,13	288,75	295,57	293,97	287,05	255,17
6502	Internal Rad -Y-Z	290,17	288,84	295,42	293,87	287,21	249,67
6503	Internal Rad -Y-Z	289,92	288,60	295,13	293,59	286,97	252,67
6504	Internal Rad -Y-Z	282,38	281,18	287,12	285,76	279,69	242,10
6505	Internal Rad -Y-Z	292,03	290,72	297,17	295,68	289,10	246,52
6506	Internal Rad -Y-Z	291,68	290,31	297,07	295,51	288,60	253,00
6507	Internal Rad -Y-Z	286,44	284,75	292,99	291,12	282,62	250,75
6508	Internal Rad -Y-Z	285,07	283,02	292,60	290,38	280,43	251,75
6509	Internal Rad -Y-Z	287,37	286,07	292,45	290,93	284,47	249,23



6510	Internal Rad -Y-Z	290,45	289,13	295,64	294,10	287,50	249,12
6511	Internal Rad -Y-Z	290,49	289,17	295,66	294,13	287,55	249,27
6512	Internal Rad -Y-Z	283,40	282,24	287,96	286,63	280,79	242,13
6513	Internal Rad -Y-Z	292,05	290,77	297,05	295,59	289,19	246,30
6514	Internal Rad -Y-Z	291,17	289,89	296,16	294,70	288,31	246,68
6515	Internal Rad -Y-Z	284,44	283,17	289,27	287,86	281,57	249,03
6516	Internal Rad -Y-Z	284,24	282,92	289,06	287,64	281,26	252,01
6517	Internal Rad -Y-Z	285,87	284,55	290,95	289,42	282,92	252,03
6518	Internal Rad -Y-Z	289,63	288,30	294,81	293,26	286,66	249,31
6519	Internal Rad -Y-Z	289,48	288,15	294,64	293,10	286,52	252,09
6520	Internal Rad -Y-Z	274,69	273,61	278,85	277,62	272,26	239,44
6521	Internal Rad -Y-Z	285,40	284,21	290,04	288,67	282,72	248,25
6522	Internal Rad -Y-Z	281,14	280,03	285,41	284,14	278,65	243,22
6523	Internal Rad -Y-Z	278,21	277,44	281,08	280,23	276,46	247,52
6524	Internal Rad -Y-Z	284,56	283,92	286,64	286,00	283,10	256,01
6525	Internal Rad -Y-Z	282,25	280,84	287,43	285,81	279,10	248,87
6526	Internal Rad -Y-Z	283,37	281,96	288,59	286,96	280,22	249,08
6527	Internal Rad -Y-Z	282,01	280,64	287,10	285,52	278,95	250,97
6528	Internal Rad -Y-Z	265,03	263,95	269,01	267,77	262,61	238,16
6529	Internal Rad -Y-Z	280,76	279,44	285,56	284,01	277,80	248,50
6530	Internal Rad -Y-Z	280,64	279,37	285,24	283,76	277,80	252,31
6531	Internal Rad -Y-Z	269,12	269,06	269,41	269,34	268,93	245,56
6532	Internal Rad -Y-Z	292,96	294,59	287,07	289,02	296,48	272,06
6533	Internal Rad -Y-Z	285,07	283,58	290,52	288,80	281,74	250,83
6534	Internal Rad -Y-Z	285,40	283,92	290,86	289,14	282,08	250,60
6535	Internal Rad -Y-Z	284,69	283,22	290,09	288,39	281,40	250,58
6536	Internal Rad -Y-Z	275,14	273,80	279,95	278,41	272,15	248,62
6537	Internal Rad -Y-Z	281,22	279,87	286,08	284,50	278,20	253,00
6538	Internal Rad -Y-Z	280,26	279,00	284,77	283,31	277,45	248,66
6539	Internal Rad -Y-Z	266,20	266,37	265,62	265,82	266,51	244,57
6540	Internal Rad -Y-Z	277,52	278,00	275,62	276,22	278,53	255,95
6541	Internal Rad -Y-Z	285,28	283,71	290,95	289,15	281,77	254,41
6542	Internal Rad -Y-Z	285,42	283,89	291,01	289,24	281,99	251,18
6543	Internal Rad -Y-Z	285,07	283,53	290,65	288,88	281,62	251,36
6544	Internal Rad -Y-Z	276,99	275,47	282,27	280,55	273,58	258,30
6545	Internal Rad -Y-Z	275,43	273,99	280,41	278,77	272,21	254,61
6546	Internal Rad -Y-Z	262,76	262,23	264,57	263,97	261,52	242,77
6547	Internal Rad -Y-Z	277,07	278,93	270,61	272,76	281,05	261,31
6548	Internal Rad -Y-Z	277,28	277,12	277,31	277,22	276,89	254,58
6551	DOUBLER 502HRV-504FCU	289,75	288,38	295,11	293,53	286,71	253,65
6552	DOUBLER 502HRV-504FCU	290,04	288,71	295,29	293,74	287,07	250,47
6553	DOUBLER 502HRV-504FCU	289,96	288,64	295,17	293,63	287,01	251,90
6559	DOUBLER 502HRV-504FCU	287,85	286,53	292,98	291,45	284,91	250,15
6560	DOUBLER 502HRV-504FCU	289,81	288,49	295,00	293,46	286,86	249,59
6561	DOUBLER 502HRV-504FCU	290,07	288,75	295,25	293,71	287,12	249,96
6567	DOUBLER 502HRV-504FCU	286,14	284,81	291,26	289,71	283,16	251,14
6568	DOUBLER 502HRV-504FCU	288,47	287,13	293,65	292,09	285,48	249,82
6569	DOUBLER 502HRV-504FCU	288,61	287,27	293,77	292,22	285,63	251,32
6575	DOUBLER 502HRV-504FCU	283,41	282,00	288,62	287,00	280,26	249,58
6576	DOUBLER 502HRV-504FCU	284,24	282,83	289,47	287,84	281,09	249,62



6577	DOUBLER 502HRV-504FCU	283,58	282,20	288,74	287,14	280,49	250,81
6583	DOUBLER 502HRV-504FCU	284,86	283,37	290,30	288,58	281,54	250,99
6584	DOUBLER 502HRV-504FCU	285,08	283,60	290,51	288,81	281,77	250,63
6585	DOUBLER 502HRV-504FCU	284,61	283,15	289,99	288,30	281,34	250,68
6591	DOUBLER 502HRV-504FCU	285,20	283,65	290,81	289,03	281,73	253,40
6592	DOUBLER 502HRV-504FCU	285,20	283,67	290,76	289,00	281,78	251,37
6593	DOUBLER 502HRV-504FCU	284,90	283,40	290,37	288,64	281,55	251,01
6601	Internal Rad -Y	270,27	263,56	277,98	271,40	255,87	242,96
6602	Internal Rad -Y	260,51	255,84	266,68	262,11	251,20	237,18
6603	Internal Rad -Y	279,99	277,09	285,80	282,84	274,15	252,21
6604	Internal Rad -Y	279,66	276,99	285,23	282,49	274,32	249,29
6605	Internal Rad -Y	255,63	254,73	257,51	256,63	254,55	266,06
6606	Internal Rad -Y	263,94	265,01	260,64	261,89	266,86	253,39
6607	Internal Rad -Y	261,60	261,95	260,81	261,24	263,09	242,21
6608	Internal Rad -Y	277,97	279,79	273,14	275,18	282,19	255,83
6609	Internal Rad -Y	279,63	278,81	282,88	282,00	277,89	252,89
6610	Internal Rad -Y	282,35	280,30	289,56	287,30	277,81	254,74
6611	Internal Rad -Y	283,36	280,87	292,58	289,72	277,85	257,29
6612	Internal Rad -Y	284,04	281,61	293,24	290,42	278,70	258,20
6613	Internal Rad -Y	267,50	261,81	274,17	268,54	255,00	240,39
6614	Internal Rad -Y	260,29	256,04	265,88	261,67	251,20	236,26
6615	Internal Rad -Y	279,29	276,41	284,96	282,01	273,33	251,60
6616	Internal Rad -Y	278,88	276,27	284,27	281,59	273,51	248,61
6617	Internal Rad -Y	256,59	255,78	257,95	257,15	255,08	263,77
6618	Internal Rad -Y	274,41	275,74	270,12	271,63	277,03	257,82
6619	Internal Rad -Y	263,57	263,74	262,92	263,13	264,03	241,93
6620	Internal Rad -Y	276,15	276,91	273,98	274,83	277,59	251,51
6621	Internal Rad -Y	280,81	279,66	284,51	283,26	278,17	252,19
6622	Internal Rad -Y	283,40	281,25	290,36	287,99	278,53	255,72
6623	Internal Rad -Y	283,27	280,76	291,68	288,88	277,63	257,88
6624	Internal Rad -Y	283,05	280,60	291,48	288,72	277,57	259,59
6625	Internal Rad -Y	274,22	268,02	281,07	274,89	259,79	243,64
6626	Internal Rad -Y	269,76	264,99	275,71	270,93	259,05	241,06
6627	Internal Rad -Y	264,95	262,01	269,51	266,54	258,48	238,31
6628	Internal Rad -Y	262,46	260,45	266,12	264,08	258,11	237,24
6629	Internal Rad -Y	262,35	261,00	264,94	263,55	259,41	244,77
6630	Internal Rad -Y	287,84	286,71	290,43	289,21	285,22	259,20
6631	Internal Rad -Y	288,91	287,70	291,81	290,51	286,15	250,40
6632	Internal Rad -Y	287,96	286,77	290,94	289,66	285,20	257,19
6633	Internal Rad -Y	287,97	285,77	294,23	291,84	282,91	251,58
6634	Internal Rad -Y	287,92	285,51	294,92	292,29	282,38	259,27
6635	Internal Rad -Y	283,77	281,26	291,63	288,87	278,05	260,00
6636	Internal Rad -Y	283,37	280,94	291,12	288,43	277,85	264,04
6637	Internal Rad -Y	280,16	273,81	287,10	280,75	265,16	246,70
6638	Internal Rad -Y	279,90	275,07	285,94	281,08	268,84	246,26
6639	Internal Rad -Y	290,66	287,99	295,43	292,67	284,64	251,84
6640	Internal Rad -Y	290,69	288,19	295,34	292,74	285,04	248,78
6641	Internal Rad -Y	287,74	285,43	292,09	289,69	282,53	255,53
6642	Internal Rad -Y	293,49	292,03	296,95	295,38	290,16	250,67
6643	Internal Rad -Y	291,75	290,35	295,11	293,61	288,56	249,09



6644	Internal Rad -Y	289,00	287,59	292,46	290,95	285,77	248,59
6645	Internal Rad -Y	287,24	284,92	293,81	291,29	281,89	249,34
6646	Internal Rad -Y	287,17	284,79	293,94	291,36	281,70	250,00
6647	Internal Rad -Y	283,32	280,82	291,05	288,30	277,60	258,57
6648	Internal Rad -Y	283,11	280,65	290,81	288,10	277,52	259,74
6649	Internal Rad -Y	283,20	276,93	290,11	283,87	268,70	248,44
6650	Internal Rad -Y	284,10	279,07	290,29	285,24	272,61	248,35
6651	Internal Rad -Y	291,69	289,02	296,48	293,72	285,66	249,35
6652	Internal Rad -Y	291,67	289,15	296,36	293,73	285,97	248,88
6653	Internal Rad -Y	288,59	286,23	293,04	290,58	283,25	248,34
6654	Internal Rad -Y	289,79	288,34	293,20	291,65	286,49	250,41
6655	Internal Rad -Y	289,50	288,10	292,88	291,38	286,29	248,11
6656	Internal Rad -Y	286,78	285,32	290,41	288,83	283,42	253,81
6657	Internal Rad -Y	286,93	284,59	293,53	291,00	281,55	249,59
6658	Internal Rad -Y	286,96	284,56	293,77	291,17	281,44	250,35
6659	Internal Rad -Y	282,59	279,91	290,56	287,65	276,44	256,09
6660	Internal Rad -Y	282,23	279,57	290,34	287,43	276,14	257,44
6661	Internal Rad -Y	287,02	279,57	294,69	287,31	269,70	251,27
6662	Internal Rad -Y	286,31	280,49	293,02	287,22	273,09	251,43
6663	Internal Rad -Y	289,28	286,46	294,14	291,24	282,90	256,33
6664	Internal Rad -Y	288,78	286,26	293,43	290,82	283,07	248,39
6665	Internal Rad -Y	282,88	280,56	287,29	284,88	277,61	253,83
6666	Internal Rad -Y	264,83	263,15	268,47	266,72	260,96	237,13
6667	Internal Rad -Y	263,93	262,31	267,79	266,08	260,17	235,74
6668	Internal Rad -Y	276,16	274,13	281,30	279,14	271,44	246,86
6669	Internal Rad -Y	280,79	278,27	287,61	284,92	274,95	254,45
6670	Internal Rad -Y	282,43	279,60	290,36	287,33	275,86	272,46
6671	Internal Rad -Y	282,43	279,41	291,33	288,07	275,46	260,24
6672	Internal Rad -Y	282,47	279,61	291,16	288,05	275,92	257,37
6701	Internal Rad -Y+Z	297,22	285,13	307,85	295,92	264,87	258,43
6702	Internal Rad -Y+Z	297,02	284,02	307,55	294,78	263,36	256,40
6703	Internal Rad -Y+Z	295,44	282,84	306,20	293,81	261,88	255,14
6704	Internal Rad -Y+Z	294,85	282,70	306,07	294,12	262,00	255,34
6705	Internal Rad -Y+Z	295,70	283,42	307,41	295,36	263,43	256,39
6706	Internal Rad -Y+Z	294,96	282,64	306,20	294,13	262,91	255,58
6707	Internal Rad -Y+Z	295,51	282,80	306,65	294,24	264,05	255,91
6708	Internal Rad -Y+Z	294,64	282,31	305,95	293,85	265,14	256,30
6709	Internal Rad -Y+Z	290,22	279,95	298,14	287,92	257,79	252,70
6710	Internal Rad -Y+Z	291,96	280,11	299,99	288,37	258,13	251,92
6711	Internal Rad -Y+Z	287,72	277,21	295,31	284,87	253,99	248,87
6712	Internal Rad -Y+Z	287,57	277,51	295,95	285,95	254,62	249,62
6713	Internal Rad -Y+Z	292,68	281,32	303,07	291,80	259,97	253,81
6714	Internal Rad -Y+Z	288,59	278,01	297,11	286,67	256,10	250,27
6715	Internal Rad -Y+Z	292,34	280,07	301,29	289,37	259,93	252,20
6716	Internal Rad -Y+Z	295,22	282,80	305,75	293,49	264,34	255,85
6717	Internal Rad -Y+Z	294,50	283,49	303,83	292,80	262,12	256,56
6718	Internal Rad -Y+Z	287,48	277,59	294,70	284,79	254,25	249,58
6719	Internal Rad -Y+Z	284,97	275,65	291,99	282,61	251,46	247,28
6720	Internal Rad -Y+Z	285,54	276,24	293,35	284,02	252,43	248,15
6721	Internal Rad -Y+Z	291,33	280,54	301,32	290,53	258,41	252,81



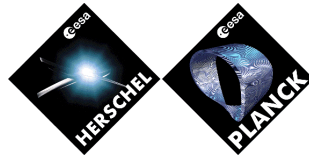
6722	Internal Rad -Y+Z	286,51	276,73	294,53	284,79	253,69	248,69
6723	Internal Rad -Y+Z	287,60	277,31	295,52	285,32	255,29	249,26
6724	Internal Rad -Y+Z	293,07	281,51	303,02	291,50	262,91	254,21
6725	Internal Rad -Y+Z	295,04	283,67	304,12	292,73	261,98	256,42
6726	Internal Rad -Y+Z	288,13	277,82	295,17	284,86	254,13	249,50
6727	Internal Rad -Y+Z	285,50	276,05	292,57	283,08	251,53	247,57
6728	Internal Rad -Y+Z	286,03	276,80	294,00	284,74	252,66	248,72
6729	Internal Rad -Y+Z	291,70	281,02	301,79	291,11	258,61	253,35
6730	Internal Rad -Y+Z	287,17	277,53	295,59	286,01	254,01	249,51
6731	Internal Rad -Y+Z	288,39	278,17	296,66	286,54	255,63	249,98
6732	Internal Rad -Y+Z	294,13	282,50	304,12	292,57	263,49	254,76
6733	Internal Rad -Y+Z	291,61	280,59	298,97	288,01	257,56	252,63
6734	Internal Rad -Y+Z	293,42	280,99	301,07	288,87	258,24	252,29
6735	Internal Rad -Y+Z	289,07	278,49	296,80	286,30	254,27	249,99
6736	Internal Rad -Y+Z	288,93	279,07	297,71	287,91	255,11	251,21
6737	Internal Rad -Y+Z	293,77	282,71	304,38	293,41	260,37	255,30
6738	Internal Rad -Y+Z	290,72	280,37	300,33	290,17	256,82	252,53
6739	Internal Rad -Y+Z	294,64	282,25	304,16	292,15	260,42	253,72
6740	Internal Rad -Y+Z	297,73	284,87	308,15	295,51	264,99	256,78
6741	Internal Rad -Y+Z	298,61	286,03	308,34	295,89	264,35	258,75
6742	Internal Rad -Y+Z	298,23	285,02	307,98	294,95	262,91	257,06
6743	Internal Rad -Y+Z	296,56	284,09	306,81	294,50	261,58	256,33
6744	Internal Rad -Y+Z	295,97	284,18	306,92	295,29	261,83	256,96
6745	Internal Rad -Y+Z	297,19	285,25	308,74	296,99	263,42	258,28
6746	Internal Rad -Y+Z	297,18	284,97	308,48	296,52	262,95	257,67
6747	Internal Rad -Y+Z	298,74	285,57	309,68	296,81	264,21	257,67
6748	Internal Rad -Y+Z	298,77	285,97	309,58	297,02	266,28	258,13
6801	DOUBLER 506WEV	285,19	283,79	290,23	288,59	282,06	250,05
6802	DOUBLER 506WEV	284,69	283,30	289,70	288,07	281,59	250,08
6803	DOUBLER 506WEV	282,81	281,46	287,65	286,08	279,80	250,22
6804	DOUBLER 506WEV	283,56	282,20	288,44	286,85	280,53	249,84
6805	DOUBLER 506WEV	282,90	281,57	287,73	286,16	279,91	249,89
6806	DOUBLER 506WEV	282,27	280,94	287,06	285,50	279,29	250,20
6807	DOUBLER 506WEV	284,42	283,04	289,39	287,78	281,34	250,27
6808	DOUBLER 506WEV	282,61	281,28	287,41	285,85	279,63	250,16
6809	DOUBLER 506WEV	282,03	280,70	286,80	285,25	279,07	250,33
6810	DOUBLER 506WEV	283,34	281,99	288,21	286,63	280,32	251,08
6811	DOUBLER 506WEV	282,50	281,17	287,30	285,74	279,53	251,03
6812	DOUBLER 506WEV	282,04	280,71	286,82	285,27	279,07	250,87
6813	DOUBLER 506WEV	284,57	283,19	289,57	287,95	281,48	251,23
6814	DOUBLER 506WEV	283,10	281,76	287,96	286,39	280,09	251,27
6815	DOUBLER 506WEV	282,31	280,98	287,12	285,57	279,33	251,00
6816	DOUBLER 506WEV	283,64	282,28	288,55	286,96	280,60	251,47
6817	DOUBLER 506WEV	284,47	283,09	289,47	287,85	281,38	251,22
6818	DOUBLER 506WEV	282,75	281,41	287,60	286,03	279,75	251,01
6819	DOUBLER 506WEV	283,06	281,69	287,99	286,39	280,00	251,32
6820	DOUBLER 506WEV	285,00	283,58	290,12	288,46	281,83	251,43
6821	DOUBLER 506WEV	285,52	284,08	290,68	289,00	282,31	251,45
6822	DOUBLER 506WEV	282,54	281,18	287,43	285,84	279,50	251,31
6823	DOUBLER 506WEV	283,34	281,95	288,32	286,70	280,24	251,61



6824	DOUBLER 506WEV	284,01	282,61	289,06	287,42	280,88	251,66
6825	DOUBLER 506WEV	282,26	280,91	287,13	285,55	279,24	251,07
6826	DOUBLER 506WEV	282,98	281,61	287,94	286,33	279,91	251,24
6827	DOUBLER 506WEV	284,73	283,31	289,83	288,17	281,57	251,15
6828	DOUBLER 506WEV	282,13	280,79	286,99	285,42	279,13	250,27
6829	DOUBLER 506WEV	282,68	281,32	287,61	286,01	279,63	250,12
6830	DOUBLER 506WEV	283,52	282,13	288,52	286,90	280,42	250,10
6831	DOUBLER 506WEV	282,37	281,02	287,24	285,66	279,35	250,04
6832	DOUBLER 506WEV	283,20	281,83	288,17	286,56	280,13	249,81
6833	DOUBLER 506WEV	284,66	283,25	289,75	288,10	281,51	249,94
6834	DOUBLER 506WEV	282,79	281,44	287,70	286,11	279,76	250,02
6835	DOUBLER 506WEV	284,53	283,13	289,60	287,96	281,39	249,93
6836	DOUBLER 506WEV	283,72	282,34	288,74	287,11	280,62	249,61
6851	DOUBLER 602WEH	282,33	279,59	288,02	285,21	276,68	249,53
6852	DOUBLER 602WEH	283,49	280,71	289,29	286,43	277,75	249,86
6853	DOUBLER 602WEH	282,90	280,12	288,67	285,81	277,15	250,01
6854	DOUBLER 602WEH	283,21	280,44	288,98	286,13	277,50	249,75
6855	DOUBLER 602WEH	281,85	279,12	287,53	284,71	276,22	249,61
6856	DOUBLER 602WEH	281,41	278,66	287,08	284,25	275,74	249,88
6857	DOUBLER 602WEH	281,50	278,78	287,15	284,36	275,93	249,49
6858	DOUBLER 602WEH	281,05	278,34	286,68	283,89	275,48	249,55
6859	DOUBLER 602WEH	280,84	278,09	286,48	283,66	275,21	249,90
6860	DOUBLER 602WEH	281,71	278,98	287,40	284,60	276,14	249,67
6861	DOUBLER 602WEH	281,28	278,54	286,95	284,15	275,72	249,74
6862	DOUBLER 602WEH	281,06	278,31	286,76	283,93	275,46	250,10
6863	DOUBLER 602WEH	283,49	280,70	289,32	286,46	277,79	250,00
6864	DOUBLER 602WEH	282,21	279,45	287,96	285,13	276,60	249,92
6865	DOUBLER 602WEH	281,79	279,02	287,54	284,69	276,15	250,21
6866	DOUBLER 602WEH	282,73	279,97	288,52	285,68	277,11	249,89
6867	DOUBLER 602WEH	283,80	281,00	289,66	286,78	278,07	250,13
6868	DOUBLER 602WEH	283,25	280,44	289,10	286,21	277,52	250,32
6869	DOUBLER 602WEH	283,00	280,15	288,84	285,91	277,11	250,73
6870	DOUBLER 602WEH	283,64	280,76	289,54	286,58	277,68	250,95
6871	DOUBLER 602WEH	282,54	279,67	288,39	285,43	276,59	251,15
6872	DOUBLER 602WEH	281,53	278,70	287,28	284,38	275,69	250,76
6873	DOUBLER 602WEH	282,05	279,18	287,86	284,92	276,13	251,08
6874	DOUBLER 602WEH	283,38	280,50	289,27	286,31	277,42	251,07
6875	DOUBLER 602WEH	280,96	278,14	286,69	283,79	275,16	250,84
6876	DOUBLER 602WEH	281,27	278,41	287,05	284,12	275,39	251,22
6877	DOUBLER 602WEH	281,74	278,86	287,55	284,60	275,82	251,31
6878	DOUBLER 602WEH	281,17	278,34	286,95	284,04	275,40	251,03
6879	DOUBLER 602WEH	281,47	278,61	287,29	284,35	275,62	251,39
6880	DOUBLER 602WEH	281,92	279,05	287,77	284,82	276,04	251,47
6881	DOUBLER 602WEH	281,89	279,05	287,71	284,80	276,10	251,08
6882	DOUBLER 602WEH	282,38	279,50	288,25	285,31	276,51	251,37
6883	DOUBLER 602WEH	283,63	280,75	289,58	286,61	277,72	251,29
6884	DOUBLER 602WEH	283,33	280,47	289,23	286,30	277,48	251,02
6885	DOUBLER 602WEH	283,92	281,04	289,87	286,91	278,01	251,20
6886	DOUBLER 602WEH	282,91	280,02	288,83	285,87	277,01	251,47
7001	MLI SVM Top +Z	219,16	214,70	225,31	220,67	202,85	201,75



7002	MLI SVM Top +Z	234,99	230,95	240,48	236,21	217,64	218,49
7003	MLI SVM Top +Z	221,97	217,99	227,87	223,63	206,23	205,29
7004	MLI SVM Top +Z	236,17	232,61	241,53	237,66	219,70	220,39
7005	MLI SVM Top +Z	222,16	218,44	227,81	223,75	206,94	205,77
7006	MLI SVM Top +Z	236,35	233,08	241,44	237,79	220,69	220,79
7007	MLI SVM Top +Z	219,53	215,70	225,14	220,99	204,72	203,33
7008	MLI SVM Top +Z	236,26	233,30	240,71	237,25	221,58	220,77
7011	MLI SVM Top +Y+Z	215,67	211,01	220,61	215,73	199,03	201,04
7012	MLI SVM Top +Y+Z	233,39	229,15	237,41	232,83	215,69	219,10
7013	MLI SVM Top +Y+Z	214,63	209,98	220,00	215,15	197,77	200,15
7014	MLI SVM Top +Y+Z	230,41	224,44	235,49	229,43	208,68	216,61
7015	MLI SVM Top +Y+Z	213,29	208,77	218,46	213,73	196,71	199,02
7016	MLI SVM Top +Y+Z	225,67	220,62	231,62	226,55	203,17	212,73
7017	MLI SVM Top +Y+Z	212,14	207,81	217,61	213,07	196,40	198,03
7018	MLI SVM Top +Y+Z	218,21	214,31	224,33	220,36	199,80	205,78
7021	MLI SVM Top +Y	208,55	204,85	215,18	211,29	196,73	195,03
7022	MLI SVM Top +Y	207,96	204,94	213,50	210,25	197,56	195,75
7023	MLI SVM Top +Y	206,58	202,92	213,85	210,03	196,22	193,07
7024	MLI SVM Top +Y	205,89	202,88	212,13	208,92	197,04	193,42
7025	MLI SVM Top +Y	205,97	202,08	213,78	209,77	195,98	191,96
7026	MLI SVM Top +Y	205,13	201,60	212,31	208,63	196,16	192,09
7027	MLI SVM Top +Y	204,31	199,93	212,68	208,26	194,18	189,01
7028	MLI SVM Top +Y	204,45	200,45	211,98	207,89	195,54	190,53
7031	MLI SVM Top +Y-Z	201,65	195,32	210,42	204,36	190,50	180,40
7032	MLI SVM Top +Y-Z	199,45	193,62	207,42	201,79	189,12	180,29
7033	MLI SVM Top +Y-Z	201,19	194,26	209,99	203,43	189,65	178,55
7034	MLI SVM Top +Y-Z	199,09	191,29	207,13	199,81	186,98	175,70
7035	MLI SVM Top +Y-Z	201,60	194,20	210,47	203,49	189,74	177,94
7036	MLI SVM Top +Y-Z	201,75	191,79	209,58	200,29	187,89	175,91
7037	MLI SVM Top +Y-Z	201,46	194,48	210,58	203,96	190,13	177,90
7038	MLI SVM Top +Y-Z	201,07	193,14	209,25	201,74	189,47	176,04
7039	MLI SVM Top +Y-Z	201,00	194,72	210,38	204,33	190,32	178,39
7040	MLI SVM Top +Y-Z	200,42	194,48	209,10	203,26	190,80	177,50
7041	MLI SVM Top -Z	199,71	194,60	209,68	204,63	190,18	178,51
7042	MLI SVM Top -Z	199,43	194,72	209,03	204,23	190,73	177,80
7043	MLI SVM Top -Z	199,79	195,12	209,97	205,31	190,57	178,48
7044	MLI SVM Top -Z	199,38	194,95	209,13	204,62	190,87	177,27
7051	MLI SVM Top -Z-Y	200,50	196,63	210,93	207,02	191,70	178,59
7052	MLI SVM Top -Z-Y	200,38	196,88	209,64	206,02	192,93	175,30
7053	MLI SVM Top -Z-Y	200,64	196,91	211,08	207,29	191,90	179,14
7054	MLI SVM Top -Z-Y	200,02	196,78	209,10	205,74	192,85	175,93
7055	MLI SVM Top -Z-Y	200,56	196,95	210,85	207,16	191,95	179,49
7056	MLI SVM Top -Z-Y	198,77	196,49	205,61	203,19	193,51	177,45
7057	MLI SVM Top -Z-Y	200,99	197,36	211,23	207,53	192,20	180,22
7058	MLI SVM Top -Z-Y	199,87	197,55	206,98	204,49	194,32	178,48
7059	MLI SVM Top -Y	201,34	197,59	211,63	207,82	192,06	180,78
7060	MLI SVM Top -Y	200,31	197,29	209,05	205,87	192,88	180,21
7061	MLI SVM Top -Y	200,23	195,99	210,26	206,08	188,88	180,38
7062	MLI SVM Top -Y	202,01	199,34	208,69	205,93	195,16	180,57
7063	MLI SVM Top -Y	206,86	202,51	216,71	212,33	195,07	186,59



7064	MLI SVM Top -Y	202,47	199,97	208,09	205,51	195,63	180,26
7065	MLI SVM Top -Y	207,19	202,83	216,33	211,92	194,76	187,33
7066	MLI SVM Top -Y	204,18	201,72	209,05	206,52	196,94	182,04
7067	MLI SVM Top -Y	208,29	203,78	216,56	211,99	194,59	189,01
7068	MLI SVM Top -Y	207,92	204,94	212,73	209,62	198,52	185,53
7071	MLI SVM Top -Y+Z	212,40	206,08	219,05	212,75	194,14	190,94
7072	MLI SVM Top -Y+Z	217,44	210,69	223,42	216,71	197,18	194,91
7073	MLI SVM Top -Y+Z	213,45	207,17	219,85	213,59	194,89	192,24
7074	MLI SVM Top -Y+Z	225,03	218,52	231,70	225,33	202,67	203,88
7075	MLI SVM Top -Y+Z	215,16	209,00	221,39	215,23	196,30	194,33
7076	MLI SVM Top -Y+Z	229,28	222,96	235,69	229,48	207,72	208,48
7077	MLI SVM Top -Y+Z	216,31	210,40	222,38	216,43	197,84	196,25
7078	MLI SVM Top -Y+Z	233,08	227,37	238,69	232,95	212,97	213,69
7200	MLI SVM Top Disc Int +Z	214,97	210,78	223,62	219,34	199,79	198,31
7201	MLI SVM Top Disc Int +Z+	212,27	208,06	220,91	216,63	197,47	196,38
7202	MLI SVM Top Disc Int +Y	207,14	202,73	216,74	212,31	194,65	190,67
7203	MLI SVM Top Disc Int +Y-	201,60	196,56	213,36	208,54	190,39	182,14
7204	MLI SVM Top Disc Int -Z	200,86	196,10	213,15	208,59	189,93	181,15
7205	MLI SVM Top Disc Int -Z-	202,15	197,68	214,35	210,02	191,15	182,41
7206	MLI SVM Top Disc Int -Y	209,54	205,08	219,86	215,44	196,52	190,73
7207	MLI SVM Top Disc Int -Y+	212,93	208,42	222,05	217,50	197,59	195,15
7210	MLI Cyl STR Int +Z	214,81	210,20	224,34	219,70	202,27	196,18
7211	MLI Cyl STR Int +Z+Y	214,58	210,07	223,94	219,39	202,56	196,90
7212	MLI Cyl STR Int +Y	210,80	206,38	220,17	215,75	199,58	192,97
7213	MLI Cyl STR Int +Y-Z	212,50	207,78	222,85	218,20	202,94	192,77
7214	MLI Cyl STR Int -Z	212,02	207,58	222,66	218,26	202,46	192,01
7215	MLI Cyl STR Int -Z-Y	211,92	207,75	222,65	218,48	202,51	192,06
7216	MLI Cyl STR Int -Y	210,16	205,75	220,09	215,70	198,32	190,82
7217	MLI Cyl STR Int -Y+Z	214,39	209,53	224,20	219,35	201,52	194,79
7220	MLI Disc STR Int +Z	188,66	187,43	190,68	189,31	178,64	170,42
7221	MLI Disc STR Int +Z+Y	196,25	195,20	198,00	196,82	190,76	175,99
7222	MLI Disc STR Int +Y	201,62	200,70	203,15	202,09	198,73	180,12
7223	MLI Disc STR Int +Y-Z	197,00	195,95	198,85	197,66	191,76	176,75
7224	MLI Disc STR Int -Z	210,72	209,97	211,99	211,11	210,96	187,55
7225	MLI Disc STR Int -Z-Y	202,42	201,50	204,01	202,95	199,72	181,14
7226	MLI Disc STR Int -Y	201,37	200,44	202,94	201,88	198,30	180,26
7227	MLI Disc STR Int -Y+Z	196,11	195,06	197,85	196,66	190,37	176,21
7230	MLI Rec STR dx	191,71	188,35	200,05	196,84	180,35	176,14
7231	MLI Rec STR dx	191,61	188,50	198,94	195,97	179,68	176,83
7232	MLI Rec STR dx	191,55	188,57	198,33	195,48	179,13	177,23
7233	MLI Rec STR dx	191,98	189,10	198,25	195,49	179,30	178,03
7234	MLI Rec STR dx	192,69	189,87	198,59	195,89	179,91	179,07
7235	MLI Rec STR dx	192,91	190,12	198,49	195,81	179,93	179,74
7236	MLI Rec STR dx	194,08	191,32	199,53	196,85	181,00	180,95
7237	MLI Rec STR dx	194,38	191,61	199,65	196,94	181,20	181,63
7238	MLI Rec STR dx	195,29	192,46	200,61	197,82	182,03	182,42
7239	MLI Rec STR dx	196,24	193,28	201,89	198,99	183,29	183,35
7240	MLI Rec STR dx	198,57	195,43	204,58	201,44	185,50	185,41
7250	MLI Rec STR sx	190,63	187,01	198,55	195,12	179,03	175,37
7251	MLI Rec STR sx	190,72	187,43	197,72	194,58	178,49	176,20



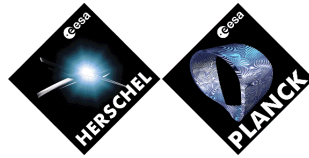
7252	MLI Rec STR sx	191,19	188,09	197,81	194,85	178,55	177,03
7253	MLI Rec STR sx	191,93	188,97	198,02	195,20	178,98	178,11
7254	MLI Rec STR sx	192,53	189,68	198,33	195,59	179,60	179,00
7255	MLI Rec STR sx	192,78	190,01	198,26	195,59	179,69	179,55
7256	MLI Rec STR sx	193,81	191,01	199,39	196,69	180,67	180,49
7257	MLI Rec STR sx	194,57	191,71	200,22	197,45	181,39	181,12
7258	MLI Rec STR sx	195,48	192,55	201,09	198,23	182,31	181,94
7259	MLI Rec STR sx	196,80	193,71	202,75	199,74	183,59	182,97
7260	MLI Rec STR sx	199,37	196,05	205,74	202,47	185,81	185,11
7400	SVM Top Disc Int +Z	293,00	285,26	310,47	302,86	270,45	264,96
7401	SVM Top Disc Int +Z+Y	291,94	284,33	308,92	301,41	270,08	265,55
7402	SVM Top Disc Int +Y	289,35	281,94	306,35	299,00	270,94	263,03
7403	SVM Top Disc Int +Y-Z	285,95	277,95	305,31	297,65	269,01	255,74
7404	SVM Top Disc Int -Z	285,57	278,05	305,67	298,44	268,99	255,10
7405	SVM Top Disc Int -Z-Y	285,50	278,36	305,63	298,71	269,00	254,92
7406	SVM Top Disc Int -Y	288,60	281,06	306,92	299,52	269,29	258,64
7407	SVM Top Disc Int -Y+Z	291,72	283,49	309,56	301,57	268,85	262,00
7410	MLI Cyl STR Int +Z	282,39	274,88	298,32	290,86	260,56	255,14
7411	MLI Cyl STR Int +Z+Y	281,07	273,78	296,68	289,42	260,27	255,75
7412	MLI Cyl STR Int +Y	273,13	265,92	289,07	281,90	255,37	247,47
7413	MLI Cyl STR Int +Y-Z	275,22	267,40	293,05	285,50	259,17	245,85
7414	MLI Cyl STR Int -Z	274,42	267,15	292,91	285,84	258,93	244,52
7415	MLI Cyl STR Int -Z-Y	274,56	267,80	293,28	286,66	259,08	244,86
7416	MLI Cyl STR Int -Y	272,45	265,28	289,57	282,47	254,08	243,87
7417	MLI Cyl STR Int -Y+Z	280,85	272,86	297,37	289,53	258,90	251,83
7420	MLI Disc STR Int +Z	291,48	284,19	310,07	302,98	270,35	262,96
7421	MLI Disc STR Int +Z+Y	291,14	283,90	309,79	302,75	270,34	262,99
7422	MLI Disc STR Int +Y	288,73	281,36	308,56	301,48	269,62	260,09
7423	MLI Disc STR Int +Y-Z	286,16	279,31	305,81	299,17	270,46	255,69
7424	MLI Disc STR Int -Z	285,81	279,75	303,74	297,74	272,01	254,35
7425	MLI Disc STR Int -Z-Y	285,96	279,25	305,86	299,36	270,27	255,37
7426	MLI Disc STR Int -Y	288,58	281,24	308,74	301,68	269,34	259,21
7427	MLI Disc STR Int -Y+Z	290,98	283,58	309,92	302,74	269,93	262,06
7430	MLI Rec STR mxdx	203,65	200,31	211,68	208,41	192,85	187,21
7431	MLI Rec STR mxdx	200,17	197,07	207,30	204,29	188,51	184,63
7432	MLI Rec STR mxdx	197,71	194,78	204,23	201,37	185,26	182,84
7433	MLI Rec STR mxdx	196,07	193,21	202,24	199,45	183,03	181,61
7434	MLI Rec STR mxdx	194,73	191,92	200,61	197,89	181,33	180,58
7435	MLI Rec STR mxdx	195,06	192,23	200,86	198,12	181,29	181,11
7436	MLI Rec STR mxdx	195,38	192,55	201,12	198,37	181,80	181,43
7437	MLI Rec STR mxdx	196,37	193,47	202,27	199,44	183,02	182,40
7438	MLI Rec STR mxdx	197,99	194,99	204,09	201,14	184,90	183,87
7439	MLI Rec STR mxdx	200,73	197,49	207,42	204,25	188,25	186,10
7440	MLI Rec STR mxdx	204,09	200,62	211,35	207,92	191,81	188,98
7450	MLI Rec STR mxsx	203,26	199,70	211,03	207,58	192,24	187,03
7451	MLI Rec STR mxsx	200,44	197,15	207,48	204,30	188,79	184,94
7452	MLI Rec STR mxsx	197,79	194,73	204,23	201,25	185,36	182,96
7453	MLI Rec STR mxsx	195,98	193,05	202,02	199,18	182,96	181,59
7454	MLI Rec STR mxsx	194,87	192,02	200,70	197,95	181,48	180,74
7455	MLI Rec STR mxsx	194,85	192,04	200,49	197,76	181,05	180,86



7456	MLI Rec STR mxsx	195,41	192,55	201,19	198,42	181,76	181,31
7457	MLI Rec STR mxsx	196,35	193,39	202,33	199,44	182,91	182,04
7458	MLI Rec STR mxsx	198,07	194,98	204,32	201,31	184,87	183,44
7459	MLI Rec STR mxsx	200,47	197,12	207,22	203,96	187,58	185,21
7460	MLI Rec STR mxsx	204,08	200,44	211,60	208,04	191,49	188,01
7601	SVM Top Int +Z	299,31	290,91	312,68	304,14	275,12	269,15
7602	SVM Top Int +Z	301,24	292,77	313,84	305,17	276,35	270,64
7603	SVM Top Int +Z	300,21	292,61	313,27	305,35	277,48	271,04
7604	SVM Top Int +Z	301,74	294,31	314,28	306,46	278,83	272,63
7605	SVM Top Int +Z	300,81	293,71	313,42	305,87	279,13	272,19
7606	SVM Top Int +Z	302,71	295,99	314,58	307,27	281,34	274,10
7607	SVM Top Int +Z	300,79	293,66	313,04	305,46	279,33	272,95
7608	SVM Top Int +Z	304,58	298,64	314,77	307,95	285,25	276,19
7611	SVM Top Int +Y+Z	297,82	289,18	308,53	299,68	272,73	273,32
7612	SVM Top Int +Y+Z	301,62	292,80	309,86	300,44	276,50	276,13
7613	SVM Top Int +Y+Z	296,85	288,22	307,46	298,62	271,45	272,53
7614	SVM Top Int +Y+Z	300,40	287,83	308,85	296,16	267,95	276,00
7615	SVM Top Int +Y+Z	296,30	287,99	307,13	298,65	271,32	272,48
7616	SVM Top Int +Y+Z	299,63	289,49	309,31	299,16	268,53	276,89
7617	SVM Top Int +Y+Z	295,95	288,07	307,04	299,00	272,52	272,62
7618	SVM Top Int +Y+Z	298,13	290,88	307,72	300,28	274,99	276,91
7621	SVM Top Int +Y	292,30	285,76	305,21	298,53	275,30	270,43
7622	SVM Top Int +Y	293,51	288,22	304,20	298,68	278,99	273,85
7623	SVM Top Int +Y	290,82	284,64	304,01	297,67	275,79	269,42
7624	SVM Top Int +Y	291,65	286,63	302,89	297,63	278,99	272,00
7625	SVM Top Int +Y	290,24	283,88	303,75	297,26	275,51	268,35
7626	SVM Top Int +Y	291,06	285,31	303,47	297,55	277,84	270,70
7627	SVM Top Int +Y	289,62	282,59	303,60	296,53	274,43	265,79
7628	SVM Top Int +Y	291,55	285,12	303,98	297,44	278,12	269,86
7631	SVM Top Int +Y-Z	286,62	276,44	301,00	291,12	269,86	253,16
7632	SVM Top Int +Y-Z	284,77	275,44	297,92	288,71	269,33	254,68
7633	SVM Top Int +Y-Z	287,05	275,94	301,43	290,75	269,54	251,40
7634	SVM Top Int +Y-Z	284,98	272,49	297,99	285,99	266,67	248,22
7635	SVM Top Int +Y-Z	288,27	276,44	302,68	291,35	270,12	251,05
7636	SVM Top Int +Y-Z	290,12	274,11	302,72	287,54	268,58	249,42
7637	SVM Top Int +Y-Z	288,27	277,18	302,96	292,28	270,86	251,36
7638	SVM Top Int +Y-Z	289,60	277,00	302,73	290,58	271,54	250,36
7639	SVM Top Int +Y-Z	287,62	277,71	302,75	293,07	271,33	252,33
7640	SVM Top Int +Y-Z	288,33	279,03	302,29	292,96	273,48	252,49
7641	SVM Top Int -Z	286,07	278,11	302,13	294,10	271,60	253,16
7642	SVM Top Int -Z	286,62	279,34	302,05	294,48	273,30	252,96
7643	SVM Top Int -Z	286,12	278,86	302,53	295,15	272,12	253,03
7644	SVM Top Int -Z	286,54	279,70	302,23	295,13	273,48	252,14
7651	SVM Top Int -Z-Y	286,62	280,60	303,44	297,33	273,30	252,54
7652	SVM Top Int -Z-Y	288,30	282,90	303,20	297,56	276,77	249,05
7653	SVM Top Int -Z-Y	286,46	280,63	303,36	297,41	273,29	253,01
7654	SVM Top Int -Z-Y	287,65	282,64	302,28	297,02	276,65	249,99
7655	SVM Top Int -Z-Y	286,22	280,54	302,93	297,11	273,32	253,42
7656	SVM Top Int -Z-Y	285,11	281,69	296,01	292,27	277,46	251,92
7657	SVM Top Int -Z-Y	286,11	280,39	302,85	296,98	273,01	253,74



7658	SVM Top Int -Z-Y	285,96	282,40	297,37	293,48	277,91	252,50
7659	SVM Top Int -Y	285,78	279,84	302,66	296,62	272,01	253,73
7660	SVM Top Int -Y	285,96	281,19	300,27	295,19	275,01	254,54
7661	SVM Top Int -Y	281,48	274,70	298,17	291,36	264,80	250,62
7662	SVM Top Int -Y	287,20	283,02	298,17	293,78	277,31	253,39
7663	SVM Top Int -Y	287,77	280,64	304,47	297,33	270,13	255,86
7664	SVM Top Int -Y	285,96	282,01	295,50	291,36	276,57	250,37
7665	SVM Top Int -Y	288,90	281,46	305,32	297,91	270,52	256,78
7666	SVM Top Int -Y	287,35	283,28	296,34	292,12	277,73	251,08
7667	SVM Top Int -Y	290,59	282,54	306,52	298,57	270,53	258,50
7668	SVM Top Int -Y	292,17	286,92	301,36	296,02	279,88	254,43
7671	SVM Top Int -Y+Z	295,95	284,33	309,25	298,01	267,92	259,20
7672	SVM Top Int -Y+Z	298,90	286,03	310,31	297,73	270,80	258,77
7673	SVM Top Int -Y+Z	296,20	284,53	309,24	297,93	267,48	259,51
7674	SVM Top Int -Y+Z	299,53	286,30	310,97	298,09	268,10	259,86
7675	SVM Top Int -Y+Z	296,82	285,22	309,69	298,42	267,88	260,49
7676	SVM Top Int -Y+Z	298,96	285,67	310,32	297,39	266,56	259,07
7677	SVM Top Int -Y+Z	297,97	286,83	310,74	299,83	269,59	263,01
7678	SVM Top Int -Y+Z	300,71	288,52	312,28	300,31	270,38	263,53
7730	Rec STR mxdx	256,53	251,40	270,05	265,21	243,42	234,36
7731	Rec STR mxdx	249,45	244,78	261,36	257,00	237,05	229,33
7732	Rec STR mxdx	244,28	239,94	255,00	250,97	232,31	225,68
7733	Rec STR mxdx	240,81	236,69	250,68	246,86	229,04	223,29
7734	Rec STR mxdx	238,92	234,89	248,23	244,50	227,14	222,08
7735	Rec STR mxdx	238,52	234,49	247,54	243,81	226,54	222,01
7736	Rec STR mxdx	239,58	235,53	248,57	244,80	227,30	223,19
7737	Rec STR mxdx	242,15	237,96	251,36	247,44	229,35	225,53
7738	Rec STR mxdx	246,32	241,87	256,04	251,85	232,75	229,09
7739	Rec STR mxdx	252,23	247,40	262,78	258,19	237,63	233,98
7740	Rec STR mxdx	260,13	254,77	271,88	266,74	244,12	240,36
7750	Rec STR mxsx	256,72	251,12	269,82	264,58	243,37	234,78
7751	Rec STR mxsx	249,58	244,57	261,18	256,51	237,01	229,64
7752	Rec STR mxsx	244,37	239,78	254,86	250,61	232,27	225,90
7753	Rec STR mxsx	240,87	236,58	250,59	246,62	229,01	223,43
7754	Rec STR mxsx	238,95	234,84	248,18	244,38	227,12	222,14
7755	Rec STR mxsx	238,52	234,49	247,54	243,81	226,54	221,99
7756	Rec STR mxsx	239,57	235,45	248,64	244,82	227,18	222,84
7757	Rec STR mxsx	242,13	237,80	251,51	247,49	229,11	224,82
7758	Rec STR mxsx	246,27	241,64	256,26	251,92	232,40	228,01
7759	Rec STR mxsx	252,17	247,08	263,08	258,29	237,13	232,50
7760	Rec STR mxsx	260,04	254,34	272,26	266,86	243,47	238,43
8101	NOZZLE	367,10	365,65	417,82	416,67	296,50	359,40
8102	DECOMP, CHAMBER	357,80	356,04	405,16	403,67	304,30	350,84
8103	INSULATION	328,27	327,33	401,79	401,18	258,26	321,46
8104	HEAD PLATE	346,10	344,14	391,54	389,85	298,69	339,29
8105	HEAT BARRIER 1	340,35	338,24	383,34	381,46	296,72	333,59
8106	HEAT BARRIER 2	328,68	325,85	365,01	362,32	293,69	321,61
8107	HEAT BARRIER 3	318,41	314,79	348,49	344,87	291,77	310,90
8108	HEAT BARR FLANG	310,65	306,25	335,47	330,92	291,00	302,66
8109	FCV FLANGE I/F	299,22	293,73	315,39	309,49	289,91	290,63



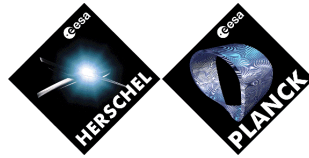
8110	ADJUSTMENT RING	298,96	293,47	315,06	309,16	289,08	289,78
8111	TURNING DISC	298,59	292,76	312,56	306,25	284,53	284,26
8121	NOZZLE	365,61	364,24	416,44	415,30	296,89	358,07
8122	DECOMP, CHAMBER	356,30	354,63	403,34	401,87	304,66	349,49
8123	INSULATION	324,88	323,97	400,42	399,82	259,49	317,96
8124	HEAD PLATE	344,62	342,78	389,48	387,80	299,04	337,98
8125	HEAT BARRIER 1	338,93	336,94	381,38	379,52	297,03	332,34
8126	HEAT BARRIER 2	327,42	324,75	363,42	360,75	293,88	320,56
8127	HEAT BARRIER 3	317,30	313,87	347,24	343,66	291,83	310,05
8128	HEAT BARR FLANG	309,81	305,64	334,53	330,01	291,02	302,09
8129	FCV FLANGE I/F	298,80	293,59	314,95	309,08	289,88	290,51
8130	ADJUSTMENT RING	298,56	293,32	314,63	308,76	289,04	289,66
8131	TURNING DISC	298,53	292,73	312,50	306,19	284,53	284,24
8132	SUPPORT BRACKET	298,18	291,97	310,73	304,04	280,80	279,94
8133	FCV BODY MAIN	299,19	293,73	315,33	309,44	293,70	293,68
8134	FCV BODY REDUNDANT	298,80	293,72	314,91	309,04	293,74	293,67
8145	THRUSTER BRACKET	298,53	292,63	312,11	305,72	283,71	283,26
8146	EXT MLI BRACKET	317,87	317,74	319,92	319,77	320,38	310,63
8201	NOZZLE	428,52	427,65	463,63	462,92	400,26	484,44
8202	DECOMP, CHAMBER	434,95	433,87	465,51	464,58	421,05	507,79
8203	INSULATION	356,37	355,69	414,90	414,44	339,71	395,10
8204	HEAD PLATE	409,87	408,60	439,13	438,01	401,23	468,75
8205	HEAT BARRIER 1	397,85	396,43	425,38	424,11	391,42	449,72
8206	HEAT BARRIER 2	373,38	371,17	397,51	395,45	366,60	411,36
8207	HEAT BARRIER 3	350,47	347,37	371,57	368,59	343,16	374,30
8208	HEAT BARR FLANG	332,02	327,95	350,77	346,78	322,85	343,38
8209	FCV FLANGE I/F	303,40	297,94	317,55	312,07	291,63	293,60
8210	ADJUSTMENT RING	302,85	297,41	316,97	311,51	290,54	292,82
8211	TURNING DISC	299,08	293,29	312,22	306,37	283,51	285,06
8221	NOZZLE	427,49	426,62	461,04	460,32	396,25	422,37
8222	DECOMP, CHAMBER	434,06	432,97	462,82	461,88	417,01	429,53
8223	INSULATION	354,23	353,54	409,45	408,98	331,69	350,03
8224	HEAD PLATE	409,03	407,76	436,40	435,27	396,98	404,40
8225	HEAT BARRIER 1	397,08	395,65	422,75	421,46	387,29	392,31
8226	HEAT BARRIER 2	372,77	370,56	395,39	393,31	363,36	366,79
8227	HEAT BARRIER 3	350,03	346,93	369,94	366,95	340,81	342,60
8228	HEAT BARR FLANG	331,72	327,64	349,62	345,62	321,34	322,70
8229	FCV FLANGE I/F	303,33	297,87	317,23	311,75	291,54	292,15
8230	ADJUSTMENT RING	302,78	297,34	316,65	311,19	290,44	291,35
8231	TURNING DISC	299,07	293,28	312,17	306,32	283,49	284,83
8232	SUPPORT BRACKET	296,22	290,11	308,79	302,57	278,30	279,52
8233	FCV BODY MAIN	303,41	297,96	317,55	312,07	293,71	293,68
8234	FCV BODY REDUNDANT	303,34	297,89	317,24	311,76	293,71	293,66
8245	THRUSTER BRACKET	298,40	292,54	311,36	305,44	282,23	283,65
8246	EXT MLI BRACKET	308,88	308,67	314,32	314,10	290,26	302,82
8301	NOZZLE	379,34	379,04	426,18	425,14	396,94	453,32
8302	DECOMP, CHAMBER	398,65	398,31	442,92	441,65	417,79	486,63
8303	INSULATION	307,98	307,71	419,40	418,88	332,41	364,00
8304	HEAD PLATE	376,61	376,22	419,91	418,43	397,87	449,44
8305	HEAT BARRIER 1	366,67	366,25	407,77	406,09	388,23	431,82



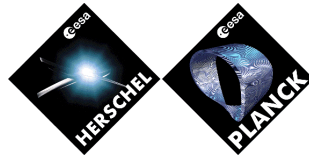
8306	HEAT BARRIER 2	346,61	345,99	382,88	380,26	364,16	396,21
8307	HEAT BARRIER 3	327,84	327,01	359,78	356,07	341,49	361,73
8308	HEAT BARR FLANG	313,71	312,66	341,16	336,26	321,75	333,89
8309	FCV FLANGE I/F	292,52	291,16	311,90	305,28	291,50	289,86
8310	ADJUSTMENT RING	291,60	289,98	311,48	304,88	290,51	288,17
8311	TURNING DISC	288,38	284,48	307,35	300,26	282,69	276,79
8321	NOZZLE	379,48	379,18	428,82	427,79	400,13	378,86
8322	DECOMP, CHAMBER	398,80	398,45	445,34	444,09	420,93	398,05
8323	INSULATION	308,43	308,15	424,24	423,73	339,64	308,26
8324	HEAD PLATE	376,77	376,37	422,23	420,76	401,10	375,89
8325	HEAT BARRIER 1	366,83	366,39	409,93	408,27	391,29	365,82
8326	HEAT BARRIER 2	346,74	346,11	384,65	382,04	366,45	345,09
8327	HEAT BARRIER 3	327,96	327,12	361,17	357,47	342,98	325,57
8328	HEAT BARR FLANG	313,79	312,72	342,17	337,28	322,61	310,63
8329	FCV FLANGE I/F	292,54	291,16	312,26	305,64	291,32	288,28
8330	ADJUSTMENT RING	291,62	289,98	311,84	305,24	290,13	286,59
8331	TURNING DISC	288,38	284,48	307,40	300,32	282,63	276,55
8332	SUPPORT BRACKET	286,71	281,11	304,14	296,62	277,66	269,40
8333	FCV BODY MAIN	293,72	293,73	311,91	305,29	293,72	293,60
8334	FCV BODY REDUNDANT	293,74	293,72	312,26	305,64	293,73	293,60
8345	THRUSTER BRACKET	287,80	283,49	306,60	299,43	281,27	274,73
8346	EXT MLI BRACKET	151,83	150,91	315,14	314,88	166,48	155,46
8401	NOZZLE	364,98	364,10	364,48	363,52	297,47	357,65
8402	DECOMP, CHAMBER	369,14	368,10	368,10	366,97	305,38	361,67
8403	INSULATION	404,35	404,03	400,32	399,96	258,50	395,31
8404	HEAD PLATE	359,96	358,81	358,86	357,61	299,87	352,51
8405	HEAT BARRIER 1	354,15	352,89	352,91	351,55	297,93	346,69
8406	HEAT BARRIER 2	340,54	338,77	340,92	339,01	294,80	332,66
8407	HEAT BARRIER 3	328,47	326,13	330,54	328,02	292,79	320,01
8408	HEAT BARR FLANG	316,63	313,68	322,65	319,49	291,69	307,67
8409	FCV FLANGE I/F	298,89	295,08	310,81	306,74	290,13	289,39
8410	ADJUSTMENT RING	298,83	295,02	310,64	306,59	289,20	288,45
8411	TURNING DISC	296,04	292,00	309,90	305,60	283,72	278,26
8421	NOZZLE	369,33	368,41	368,93	367,92	295,19	360,60
8422	DECOMP, CHAMBER	374,16	373,07	373,43	372,24	302,92	365,05
8423	INSULATION	406,30	405,96	400,79	400,40	256,33	396,87
8424	HEAD PLATE	365,49	364,28	364,91	363,59	297,26	356,21
8425	HEAT BARRIER 1	359,98	358,67	359,41	357,98	295,30	350,53
8426	HEAT BARRIER 2	347,20	345,40	348,26	346,30	292,50	336,62
8427	HEAT BARRIER 3	336,14	333,77	338,90	336,36	290,78	324,17
8428	HEAT BARR FLANG	324,29	321,35	331,35	328,22	290,26	311,07
8429	FCV FLANGE I/F	306,33	302,59	319,89	315,91	289,55	291,54
8430	ADJUSTMENT RING	305,81	302,06	319,20	315,23	288,59	290,63
8431	TURNING DISC	297,11	293,08	311,21	306,92	283,63	278,59
8432	SUPPORT BRACKET	292,45	288,20	307,44	302,88	280,49	270,26
8433	FCV BODY MAIN	298,89	295,08	310,83	306,76	293,74	293,70
8434	FCV BODY REDUNDANT	306,21	302,46	319,75	315,78	293,71	293,70
8445	THRUSTER BRACKET	295,53	291,46	309,77	305,42	282,73	276,41
8446	EXT MLI BRACKET	287,19	287,06	303,12	302,98	98,98	280,52
8501	NOZZLE	379,51	379,35	393,57	392,88	400,34	453,29



8502	DECOMP, CHAMBER	398,84	398,67	413,98	413,16	421,19	486,61
8503	INSULATION	308,34	308,19	333,16	332,61	339,68	364,11
8504	HEAD PLATE	376,83	376,62	393,35	392,42	401,42	449,41
8505	HEAT BARRIER 1	366,90	366,68	383,86	382,82	391,65	431,79
8506	HEAT BARRIER 2	346,88	346,57	364,42	362,89	366,99	396,14
8507	HEAT BARRIER 3	328,17	327,75	346,71	344,62	343,73	361,63
8508	HEAT BARR FLANG	314,09	313,56	332,70	330,00	323,56	333,73
8509	FCV FLANGE I/F	292,96	292,29	311,12	307,56	292,54	289,63
8510	ADJUSTMENT RING	292,13	291,33	310,82	307,27	291,61	287,87
8511	TURNING DISC	289,66	287,74	307,99	304,19	286,17	275,93
8521	NOZZLE	379,50	379,35	426,06	425,50	397,18	378,75
8522	DECOMP, CHAMBER	398,82	398,65	442,81	442,13	418,04	397,93
8523	INSULATION	308,15	308,00	419,38	419,10	332,68	307,93
8524	HEAD PLATE	376,79	376,60	419,80	419,00	398,15	375,74
8525	HEAT BARRIER 1	366,87	366,66	407,63	406,73	388,52	365,68
8526	HEAT BARRIER 2	346,86	346,55	382,97	381,56	364,64	344,92
8527	HEAT BARRIER 3	328,16	327,75	360,12	358,13	342,19	325,37
8528	HEAT BARR FLANG	314,09	313,57	341,74	339,11	322,68	310,41
8529	FCV FLANGE I/F	292,99	292,31	312,85	309,31	292,75	288,04
8530	ADJUSTMENT RING	292,15	291,35	312,41	308,87	292,00	286,29
8531	TURNING DISC	289,66	287,74	308,23	304,44	286,23	275,68
8532	SUPPORT BRACKET	288,55	285,79	305,46	301,43	282,75	268,12
8533	FCV BODY MAIN	293,71	293,71	311,13	307,57	293,71	293,72
8534	FCV BODY REDUNDANT	293,74	293,74	312,86	309,31	293,73	293,71
8545	THRUSTER BRACKET	289,21	287,09	307,48	303,63	285,19	273,76
8546	EXT MLI BRACKET	152,61	152,06	314,67	314,52	168,12	155,62
8601	NOZZLE	427,69	426,08	461,41	460,14	396,14	483,37
8602	DECOMP, CHAMBER	434,36	432,36	463,31	461,66	416,91	506,85
8603	INSULATION	354,48	353,22	409,53	408,72	331,60	393,41
8604	HEAD PLATE	409,41	407,05	436,99	435,02	396,87	467,77
8605	HEAT BARRIER 1	397,52	394,87	423,45	421,19	387,17	448,74
8606	HEAT BARRIER 2	373,46	369,36	396,50	392,85	363,16	410,18
8607	HEAT BARRIER 3	351,02	345,25	371,53	366,28	340,52	372,84
8608	HEAT BARR FLANG	333,01	325,45	351,76	344,74	320,96	341,58
8609	FCV FLANGE I/F	305,06	294,93	320,20	310,58	291,03	291,35
8610	ADJUSTMENT RING	304,51	294,40	319,62	310,02	289,84	290,13
8611	TURNING DISC	300,92	290,15	315,39	305,10	282,09	278,61
8621	NOZZLE	428,60	427,00	463,80	462,55	399,99	422,75
8622	DECOMP, CHAMBER	435,17	433,17	465,85	464,22	420,75	429,77
8623	INSULATION	355,76	354,50	414,84	414,05	339,45	350,98
8624	HEAD PLATE	410,21	407,86	439,60	437,65	400,89	404,58
8625	HEAT BARRIER 1	398,29	395,64	425,97	423,74	391,08	392,40
8626	HEAT BARRIER 2	374,06	369,97	398,56	394,94	366,22	366,40
8627	HEAT BARRIER 3	351,45	345,69	373,16	367,93	342,75	341,70
8628	HEAT BARR FLANG	333,31	325,75	352,95	345,95	322,39	321,27
8629	FCV FLANGE I/F	305,13	295,00	320,62	311,00	291,13	289,95
8630	ADJUSTMENT RING	304,58	294,47	320,05	310,46	289,95	288,72
8631	TURNING DISC	300,93	290,16	315,45	305,16	282,11	278,40
8632	SUPPORT BRACKET	298,17	286,81	312,19	301,27	276,31	270,25
8633	FCV BODY MAIN	305,08	294,94	320,21	310,58	293,70	293,70



8634	FCV BODY REDUNDANT	305,15	295,01	320,62	311,00	293,69	293,71
8645	THRUSTER BRACKET	300,27	289,38	314,62	304,21	280,69	276,53
8646	EXT MLI BRACKET	308,98	308,63	314,65	314,29	290,22	302,71
9501	MLI Internal Rad -Y-Z	287,74	283,21	301,76	296,95	277,49	253,57
9502	MLI Internal Rad -Y-Z	288,52	285,54	298,66	295,36	281,81	252,21
9601	MLI Internal Rad -Y	289,72	283,35	303,52	297,06	274,59	255,81
9602	MLI Internal Rad -Y	289,37	285,13	299,22	294,82	279,53	253,14
9603	MLI Internal Rad -Y+Z	292,02	280,87	302,89	291,95	267,56	254,78
9604	MLI Internal Rad -Y-Z	285,94	281,66	299,22	294,57	276,13	257,12
9696	MLI FHIFH	286,04	281,81	299,04	294,44	276,33	257,66
9710	MLI STRMY CONE UPPER	262,97	256,21	302,01	296,82	246,28	233,83
9711	MLI STRMY CONE UPPER	263,78	256,98	301,33	296,01	245,95	235,28
9712	MLI STRMY CONE UPPER	267,51	260,08	302,27	296,36	246,00	239,47
9713	MLI STRMY CONE UPPER	269,37	261,84	302,31	296,24	246,76	241,49
9714	MLI STRMY CONE UPPER	262,97	256,20	302,50	297,33	246,26	233,83
9715	MLI STRMY CONE UPPER	263,81	256,99	301,65	296,35	245,95	235,30
9716	MLI STRMY CONE UPPER	267,40	259,97	302,22	296,31	245,97	239,34
9717	MLI STRMY CONE UPPER	269,32	261,78	302,03	295,94	246,80	241,41
9718	MLI STRMY CONE UPPER	262,99	256,22	302,70	297,53	246,27	233,88
9719	MLI STRMY CONE UPPER	263,80	257,00	301,84	296,56	245,92	235,33
9720	MLI STRMY CONE UPPER	267,14	259,73	301,94	296,05	245,82	239,07
9721	MLI STRMY CONE UPPER	269,27	261,73	301,65	295,55	246,76	241,37
9722	MLI STRMY CONE UPPER	263,03	256,25	302,72	297,56	246,30	233,98
9723	MLI STRMY CONE UPPER	263,86	257,05	301,80	296,52	245,90	235,37
9724	MLI STRMY CONE UPPER	267,04	259,63	301,51	295,62	245,80	238,91
9725	MLI STRMY CONE UPPER	269,23	261,70	301,16	295,04	246,75	241,34
9726	MLI STRMY CONE UPPER	262,94	256,17	302,67	297,52	246,21	233,91
9727	MLI STRMY CONE UPPER	287,64	280,35	308,38	301,38	269,48	257,77
9728	MLI STRMY CONE UPPER	290,91	283,00	310,51	302,90	269,40	261,37
9729	MLI STRMY CONE UPPER	293,21	285,18	311,30	303,49	270,37	264,04
9730	MLI STRPY CONE UPPER	269,33	262,19	301,92	296,12	247,33	243,25
9731	MLI STRPY CONE UPPER	267,51	260,40	301,80	296,11	246,57	241,45
9732	MLI STRPY CONE UPPER	264,12	256,80	301,03	295,35	246,11	236,13
9733	MLI STRPY CONE UPPER	263,33	255,96	301,80	296,19	246,32	234,33
9734	MLI STRPY CONE UPPER	269,35	262,21	301,69	295,89	247,38	243,33
9735	MLI STRPY CONE UPPER	267,41	260,32	301,70	296,03	246,62	241,45
9736	MLI STRPY CONE UPPER	264,10	256,79	301,34	295,70	246,11	236,29
9737	MLI STRPY CONE UPPER	263,32	255,94	302,29	296,70	246,32	234,40
9738	MLI STRPY CONE UPPER	269,27	262,15	301,25	295,43	247,38	243,30
9739	MLI STRPY CONE UPPER	267,21	260,15	301,37	295,72	246,61	241,41
9740	MLI STRPY CONE UPPER	264,12	256,84	301,46	295,84	246,18	236,50
9741	MLI STRPY CONE UPPER	263,32	255,96	302,46	296,90	246,35	234,48
9742	MLI STRPY CONE UPPER	269,20	262,09	300,75	294,92	247,37	243,26
9743	MLI STRPY CONE UPPER	267,15	260,14	300,93	295,30	246,69	241,55
9744	MLI STRPY CONE UPPER	264,17	256,92	301,38	295,79	246,24	236,83
9745	MLI STRPY CONE UPPER	263,33	255,97	302,49	296,94	246,37	234,55
9746	MLI STRPY CONE UPPER	269,01	261,90	300,25	294,40	247,30	243,09
9747	MLI STRPY CONE UPPER	290,97	283,48	309,69	302,42	270,38	264,29
9748	MLI STRPY CONE UPPER	288,04	280,33	307,91	300,53	269,97	259,60
9749	MLI STRPY CONE UPPER	287,00	279,14	306,73	299,21	269,98	256,84



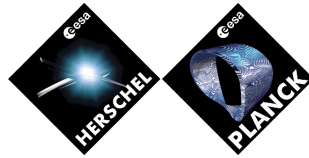
9750	MLI STRMZ UPPER	262,85	255,87	305,11	299,96	246,17	233,72
9751	MLI STRMZ UPPER	262,93	255,89	305,94	300,79	246,21	233,77
9752	MLI STRMZ UPPER	262,97	255,85	305,92	300,71	246,20	233,82
9753	MLI STRMZ UPPER	262,99	255,80	305,05	299,77	246,18	233,84
9754	MLI STRMZ UPPER	262,91	255,92	305,18	300,03	246,24	233,71
9755	MLI STRMZ UPPER	262,97	255,93	306,02	300,87	246,27	233,79
9756	MLI STRMZ UPPER	263,01	255,90	306,01	300,82	246,25	233,85
9757	MLI STRMZ UPPER	263,00	255,81	305,11	299,83	246,21	233,86
9758	MLI STRMZ UPPER	262,88	255,91	305,24	300,10	246,22	233,69
9759	MLI STRMZ UPPER	262,95	255,91	306,14	300,99	246,25	233,73
9760	MLI STRMZ UPPER	263,00	255,90	306,13	300,94	246,25	233,80
9761	MLI STRMZ UPPER	263,02	255,82	305,17	299,87	246,24	233,79
9762	MLI STRMZ UPPER	262,82	255,86	305,26	300,12	246,15	233,62
9763	MLI STRMZ UPPER	262,96	255,94	306,25	301,11	246,27	233,76
9764	MLI STRMZ UPPER	262,99	255,89	306,22	301,03	246,26	233,78
9765	MLI STRMZ UPPER	262,97	255,79	305,20	299,92	246,18	233,75
9766	MLI STRMZ UPPER	262,79	255,84	305,24	300,12	246,11	233,61
9767	MLI STRMZ UPPER	262,91	255,89	306,36	301,24	246,19	233,74
9768	MLI STRMZ UPPER	262,95	255,85	306,33	301,16	246,20	233,74
9769	MLI STRMZ UPPER	262,90	255,74	305,20	299,92	246,10	233,71
9770	MLI STRPZ UPPER	269,59	262,36	300,01	294,00	247,40	242,87
9771	MLI STRPZ UPPER	269,57	262,30	299,78	293,73	247,35	242,67
9772	MLI STRPZ UPPER	269,60	262,29	299,79	293,70	247,32	242,53
9773	MLI STRPZ UPPER	269,54	262,20	300,09	294,01	247,19	242,34
9774	MLI STRPZ UPPER	269,67	262,43	300,21	294,21	247,42	242,99
9775	MLI STRPZ UPPER	269,69	262,42	299,98	293,93	247,40	242,81
9776	MLI STRPZ UPPER	269,69	262,37	300,03	293,95	247,34	242,61
9777	MLI STRPZ UPPER	269,62	262,26	300,27	294,18	247,23	242,39
9778	MLI STRPZ UPPER	269,66	262,42	300,46	294,47	247,41	242,95
9779	MLI STRPZ UPPER	269,72	262,43	300,18	294,13	247,39	242,80
9780	MLI STRPZ UPPER	269,79	262,47	300,29	294,22	247,38	242,71
9781	MLI STRPZ UPPER	269,65	262,28	300,57	294,49	247,24	242,38
9782	MLI STRPZ UPPER	269,68	262,44	300,73	294,76	247,39	242,97
9783	MLI STRPZ UPPER	269,69	262,41	300,40	294,38	247,37	242,80
9784	MLI STRPZ UPPER	269,72	262,39	300,49	294,43	247,29	242,60
9785	MLI STRPZ UPPER	269,59	262,22	300,82	294,76	247,15	242,33
9786	MLI STRPZ UPPER	269,49	262,24	300,87	294,92	247,18	242,77
9787	MLI STRPZ UPPER	269,66	262,37	300,56	294,54	247,31	242,75
9788	MLI STRPZ UPPER	269,71	262,38	300,63	294,58	247,27	242,60
9789	MLI STRPZ UPPER	269,48	262,11	300,98	294,95	247,02	242,22
9833	MLI STRMY CYLINDER	274,93	267,94	301,03	294,85	248,69	246,17
9834	MLI STRMY CYLINDER	273,23	266,34	300,09	294,02	247,96	244,36
9835	MLI STRMY CYLINDER	269,62	263,35	297,77	292,24	247,89	240,24
9836	MLI STRMY CYLINDER	268,91	262,68	296,93	291,43	248,19	238,91
9837	MLI STRMY CYLINDER	275,37	268,37	301,35	295,17	248,73	246,59
9838	MLI STRMY CYLINDER	273,87	267,01	300,34	294,27	248,28	245,11
9839	MLI STRMY CYLINDER	269,78	263,52	297,74	292,19	248,12	240,36
9840	MLI STRMY CYLINDER	269,04	262,85	297,07	291,61	248,27	239,07
9841	MLI STRPY CYLINDER	269,27	262,48	296,78	290,85	248,22	239,38
9842	MLI STRPY CYLINDER	269,96	263,23	297,59	291,69	248,06	240,93



9843	MLI STRPY CYLINDER	273,29	266,70	299,67	293,82	248,52	246,12
9844	MLI STRPY CYLINDER	274,97	268,34	300,66	294,75	249,22	247,86
9845	MLI STRPY CYLINDER	269,37	262,63	296,95	291,05	248,27	239,36
9846	MLI STRPY CYLINDER	270,07	263,38	297,62	291,74	248,13	240,80
9847	MLI STRPY CYLINDER	273,89	267,33	300,02	294,17	248,67	246,58
9848	MLI STRPY CYLINDER	275,29	268,70	300,98	295,10	249,17	248,15
9862	MLI STRMZ LATERAL	268,94	262,52	296,77	291,13	248,23	238,88
9863	MLI STRMZ LATERAL	268,93	262,46	296,72	291,05	248,19	238,88
9864	MLI STRMZ LATERAL	268,98	262,45	296,72	290,99	248,21	238,93
9865	MLI STRMZ LATERAL	269,04	262,45	296,76	290,98	248,20	238,99
9866	MLI STRMZ LATERAL	268,99	262,62	296,94	291,34	248,20	238,96
9867	MLI STRMZ LATERAL	268,99	262,58	296,85	291,21	248,23	238,96
9868	MLI STRMZ LATERAL	269,03	262,55	296,83	291,14	248,20	238,97
9869	MLI STRMZ LATERAL	269,14	262,57	296,86	291,10	248,22	239,06
9882	MLI STRPZ LATERAL	275,27	268,54	301,26	295,29	249,25	247,56
9883	MLI STRPZ LATERAL	275,39	268,64	301,49	295,51	249,31	247,56
9884	MLI STRPZ LATERAL	275,27	268,47	301,41	295,39	249,17	247,21
9885	MLI STRPZ LATERAL	275,30	268,46	301,35	295,29	249,15	247,09
9886	MLI STRPZ LATERAL	275,52	268,83	301,42	295,49	249,23	247,85
9887	MLI STRPZ LATERAL	275,58	268,85	301,54	295,58	249,28	247,74
9888	MLI STRPZ LATERAL	275,54	268,78	301,56	295,56	249,20	247,54
9889	MLI STRPZ LATERAL	275,56	268,74	301,54	295,50	249,09	247,35
9980	MLI STRMY CONE LOW	111,69	110,22	305,94	305,85	82,84	104,48
9981	MLI STRMY CONE LOW	111,36	109,84	307,90	307,80	83,05	104,43
9982	MLI STRMY CONE LOW	111,72	110,20	333,21	333,14	82,97	104,75
9983	MLI STRMY CONE LOW	109,55	107,97	385,33	385,29	82,96	101,88
9984	MLI STRPY CONE LOW	112,09	110,60	385,92	385,87	82,94	104,85
9985	MLI STRPY CONE LOW	112,90	111,45	331,71	331,64	82,94	106,27
9986	MLI STRPY CONE LOW	108,34	106,74	305,50	305,41	82,84	101,11
9987	MLI STRPY CONE LOW	106,58	104,94	305,56	305,47	82,57	98,79
9988	MLI STRMZ LAT LOW	110,03	108,53	306,73	306,64	82,55	102,44
9989	MLI STRMZ LAT LOW	109,50	107,96	306,42	306,33	83,01	101,75
9990	MLI STRMZ LAT LOW	108,63	107,08	305,74	305,65	82,65	100,92
9991	MLI STRMZ LAT LOW	107,76	106,17	306,34	306,25	82,72	99,88
9992	MLI STRMZ LAT LOW	110,73	109,22	397,01	396,97	82,58	103,23
9993	MLI STRMZ LAT LOW	109,98	108,44	396,84	396,80	82,67	102,37
9994	MLI STRMZ LAT LOW	110,41	108,88	398,00	397,96	82,92	102,82
9995	MLI STRMZ LAT LOW	110,09	108,56	397,60	397,56	82,78	102,54
10000	Harnesses SVM I/F	300,00	300,00	300,00	300,00	300,00	300,00
20001	STRmx_rad_top	283,72	283,78	283,50	283,49	283,91	246,23
20002	STRmx_rad_top	283,87	283,93	283,61	283,60	284,01	246,27
20003	STRmx_rad_top	284,04	284,09	283,80	283,79	284,19	246,23
20004	STRmx_rad_top	284,25	284,31	284,15	284,13	284,53	246,08
20005	STRmx_rad_top	284,74	284,80	284,63	284,62	285,03	246,08
20006	STRmx_rad_top	285,47	285,53	285,24	285,22	285,66	246,23
20007	STRmx_rad_top	285,77	285,84	285,51	285,50	285,97	246,28
20008	STRmx_rad_top	285,78	285,84	285,55	285,54	286,02	246,24
20009	STRmx_rad_top	283,73	283,79	283,44	283,43	283,86	246,33
20010	STRmx_rad_top	283,60	283,66	283,46	283,45	283,70	246,05
20011	STRmx_rad_top	283,73	283,79	283,62	283,61	283,83	246,00



20012	STRmx_rad_top	284,39	284,45	284,13	284,12	284,51	246,23
20013	STRmx_rad_top	285,13	285,20	284,87	284,86	285,27	246,23
20014	STRmx_rad_top	286,32	286,38	286,21	286,20	286,46	246,01
20015	STRmx_rad_top	286,50	286,56	286,36	286,35	286,67	246,06
20016	STRmx_rad_top	286,09	286,15	285,79	285,78	286,29	246,34
20017	STRmx_rad_top	283,74	283,80	283,44	283,43	283,86	246,34
20018	STRmx_rad_top	283,62	283,68	283,47	283,46	283,72	246,08
20019	STRmx_rad_top	283,78	283,84	283,65	283,64	283,87	246,04
20020	STRmx_rad_top	284,43	284,50	284,16	284,15	284,53	246,26
20021	STRmx_rad_top	285,18	285,24	284,90	284,89	285,29	246,27
20022	STRmx_rad_top	286,31	286,37	286,17	286,16	286,44	246,05
20023	STRmx_rad_top	286,54	286,60	286,38	286,37	286,70	246,09
20024	STRmx_rad_top	286,10	286,17	285,80	285,79	286,30	246,35
20025	STRmx_rad_top	283,73	283,80	283,51	283,50	283,89	246,24
20026	STRmx_rad_top	283,87	283,93	283,59	283,58	283,98	246,31
20027	STRmx_rad_top	284,07	284,13	283,80	283,79	284,18	246,29
20028	STRmx_rad_top	284,40	284,46	284,22	284,20	284,58	246,19
20029	STRmx_rad_top	284,94	285,00	284,76	284,74	285,14	246,19
20030	STRmx_rad_top	285,61	285,67	285,34	285,33	285,77	246,29
20031	STRmx_rad_top	285,88	285,94	285,59	285,58	286,05	246,32
20032	STRmx_rad_top	285,78	285,84	285,55	285,54	286,00	246,25
20610	STRmx_rad_top	283,79	283,85	283,56	283,55	283,92	246,24
20611	STRmx_rad_top	283,93	283,99	283,68	283,66	284,05	246,28
20612	STRmx_rad_top	284,15	284,21	283,91	283,90	284,27	246,27
20613	STRmx_rad_top	284,49	284,55	284,29	284,28	284,65	246,23
20614	STRmx_rad_top	284,96	285,02	284,76	284,74	285,13	246,23
20615	STRmx_rad_top	285,45	285,51	285,21	285,20	285,61	246,28
20616	STRmx_rad_top	285,71	285,77	285,46	285,44	285,88	246,29
20617	STRmx_rad_top	285,73	285,79	285,50	285,48	285,92	246,25
20630	STRmx_rad_top	284,05	284,10	283,84	283,81	284,20	246,24
20631	STRmx_rad_top	284,22	284,27	284,05	284,02	284,39	246,20
20632	STRmx_rad_top	284,43	284,48	284,30	284,27	284,64	246,14
20633	STRmx_rad_top	284,76	284,80	284,62	284,60	284,98	246,14
20634	STRmx_rad_top	285,15	285,20	284,97	284,95	285,34	246,20
20635	STRmx_rad_top	285,46	285,51	285,25	285,23	285,65	246,24
20636	STRmx_rad_top	284,40	284,44	284,26	284,23	284,57	246,17
20637	STRmx_rad_top	284,50	284,55	284,38	284,34	284,69	246,15
20638	STRmx_rad_top	284,69	284,73	284,56	284,53	284,88	246,15
20639	STRmx_rad_top	284,87	284,91	284,73	284,69	285,05	246,17
30001	STRpx_rad_top	283,92	283,98	283,71	283,70	284,07	246,05
30002	STRpx_rad_top	284,01	284,07	283,80	283,79	284,15	246,03
30003	STRpx_rad_top	284,15	284,20	283,94	283,93	284,30	246,01
30004	STRpx_rad_top	284,34	284,40	284,14	284,13	284,50	245,99
30005	STRpx_rad_top	284,59	284,65	284,39	284,37	284,76	245,99
30006	STRpx_rad_top	284,85	284,91	284,64	284,63	285,01	246,01
30007	STRpx_rad_top	285,05	285,11	284,84	284,82	285,22	246,03
30008	STRpx_rad_top	285,19	285,25	284,97	284,96	285,37	246,05
30009	STRpx_rad_top	283,92	283,98	283,70	283,69	284,06	246,06
30010	STRpx_rad_top	283,98	284,04	283,78	283,76	284,12	246,03
30011	STRpx_rad_top	284,13	284,19	283,93	283,92	284,27	246,02



30012	STRpx_rad_top	284,38	284,44	284,17	284,16	284,53	246,02
30013	STRpx_rad_top	284,68	284,74	284,47	284,46	284,83	246,02
30014	STRpx_rad_top	284,99	285,05	284,78	284,77	285,15	246,02
30015	STRpx_rad_top	285,18	285,24	284,97	284,96	285,35	246,03
30016	STRpx_rad_top	285,25	285,31	285,03	285,02	285,43	246,06
30017	STRpx_rad_top	283,92	283,98	283,70	283,69	284,06	246,06
30018	STRpx_rad_top	283,99	284,05	283,78	283,76	284,12	246,04
30019	STRpx_rad_top	284,14	284,20	283,94	283,92	284,28	246,03
30020	STRpx_rad_top	284,40	284,46	284,19	284,17	284,54	246,04
30021	STRpx_rad_top	284,70	284,76	284,49	284,48	284,85	246,04
30022	STRpx_rad_top	285,01	285,07	284,81	284,79	285,17	246,03
30023	STRpx_rad_top	285,20	285,26	284,99	284,98	285,37	246,04
30024	STRpx_rad_top	285,26	285,32	285,04	285,02	285,43	246,07
30025	STRpx_rad_top	283,93	283,99	283,71	283,70	284,07	246,05
30026	STRpx_rad_top	284,01	284,07	283,79	283,78	284,14	246,05
30027	STRpx_rad_top	284,16	284,22	283,95	283,94	284,30	246,04
30028	STRpx_rad_top	284,39	284,45	284,18	284,17	284,54	246,04
30029	STRpx_rad_top	284,67	284,73	284,46	284,45	284,82	246,04
30030	STRpx_rad_top	284,94	285,00	284,73	284,71	285,10	246,04
30031	STRpx_rad_top	285,12	285,18	284,90	284,89	285,29	246,05
30032	STRpx_rad_top	285,20	285,26	284,97	284,96	285,37	246,06
30610	STRpx_rad_top	283,94	284,00	283,73	283,71	284,08	246,04
30611	STRpx_rad_top	284,02	284,08	283,80	283,79	284,15	246,03
30612	STRpx_rad_top	284,17	284,23	283,95	283,94	284,31	246,03
30613	STRpx_rad_top	284,38	284,44	284,17	284,16	284,53	246,02
30614	STRpx_rad_top	284,64	284,70	284,43	284,41	284,79	246,02
30615	STRpx_rad_top	284,88	284,94	284,67	284,65	285,04	246,03
30616	STRpx_rad_top	285,05	285,11	284,83	284,82	285,21	246,04
30617	STRpx_rad_top	285,13	285,19	284,91	284,90	285,30	246,04
30630	STRpx_rad_top	284,05	284,11	283,84	283,83	284,20	245,99
30631	STRpx_rad_top	284,16	284,22	283,96	283,94	284,31	245,96
30632	STRpx_rad_top	284,31	284,37	284,11	284,09	284,47	245,96
30633	STRpx_rad_top	284,49	284,55	284,29	284,27	284,65	245,96
30634	STRpx_rad_top	284,68	284,74	284,48	284,46	284,85	245,97
30635	STRpx_rad_top	284,88	284,93	284,67	284,65	285,04	245,99
30636	STRpx_rad_top	284,19	284,25	283,99	283,98	284,35	245,91
30637	STRpx_rad_top	284,27	284,33	284,07	284,05	284,43	245,91
30638	STRpx_rad_top	284,37	284,43	284,17	284,16	284,54	245,91
30639	STRpx_rad_top	284,46	284,51	284,26	284,24	284,62	245,91
40001	MLISTRmx_rad_top	204,29	203,76	258,70	258,37	178,40	178,39
40002	MLISTRmx_rad_top	204,51	203,98	258,71	258,38	179,14	178,20
40003	MLISTRmx_rad_top	203,88	203,34	262,27	261,94	178,21	178,07
40004	MLISTRmx_rad_top	203,96	203,42	261,84	261,51	177,53	177,80
40005	MLISTRmx_rad_top	196,46	195,97	256,09	255,80	153,37	171,38
40006	MLISTRmx_rad_top	209,44	208,88	263,52	263,16	191,62	182,91
40007	MLISTRmx_rad_top	210,01	209,45	263,79	263,43	190,97	182,78
60011	STR frame A GF	82,86	82,34	82,95	82,39	74,96	78,34
60012	STR frame A GF	91,99	91,28	92,44	91,66	80,67	86,06
60013	STR frame A GF	107,23	106,23	108,24	107,14	90,88	99,03
60014	STR frame A GF	120,52	119,29	121,98	120,63	100,45	110,39



60015	STR frame A GF	132,04	130,72	133,75	132,29	109,55	120,40
60016	STR frame A GF	141,78	140,38	143,73	142,19	118,33	129,17
60017	STR frame A GF	150,33	148,90	152,45	150,87	126,95	136,75
60018	STR frame A GF	158,09	156,65	160,30	158,71	135,25	143,57
60019	STR frame A GF	165,36	163,93	167,59	166,02	143,51	149,90
60047	STR frame A GF	172,33	170,96	174,51	173,00	151,92	155,95
60048	STR frame A GF	179,23	177,94	181,35	179,90	160,66	161,91
60049	STR frame A GF	186,31	185,11	188,28	186,95	169,85	167,96
60050	STR frame A GF	193,67	192,59	195,46	194,26	179,60	174,27
60051	STR frame A GF	201,52	200,57	203,11	202,05	189,98	181,00
60052	STR frame A GF	210,02	209,22	211,38	210,46	200,91	188,24
60053	STR frame A GF	219,33	218,67	220,45	219,68	212,52	196,10
60054	STR frame A GF	229,66	229,16	230,51	229,91	224,91	204,77
60055	STR frame A GF	241,09	240,73	241,66	241,22	238,13	214,35
60056	STR frame A GF	254,22	253,99	254,55	254,24	252,56	224,99
60057	STR frame A GF	262,92	262,77	263,09	262,86	261,90	231,41
61011	STR frame B GF	81,09	80,59	81,27	80,71	73,49	76,73
61012	STR frame B GF	90,17	89,47	90,74	89,97	79,17	84,39
61013	STR frame B GF	105,55	104,55	106,73	105,63	89,51	97,46
61014	STR frame B GF	119,01	117,79	120,66	119,32	99,31	108,97
61015	STR frame B GF	130,75	129,43	132,64	131,20	108,66	119,11
61016	STR frame B GF	140,67	139,28	142,76	141,23	117,68	128,10
61017	STR frame B GF	149,43	148,01	151,64	150,07	126,53	135,89
61018	STR frame B GF	157,37	155,94	159,64	158,07	135,05	142,89
61019	STR frame B GF	164,79	163,38	167,07	165,51	143,47	149,37
61047	STR frame B GF	171,89	170,54	174,12	172,62	152,00	155,53
61048	STR frame B GF	178,92	177,64	181,06	179,63	160,83	161,61
61049	STR frame B GF	186,11	184,92	188,09	186,78	170,08	167,75
61050	STR frame B GF	193,55	192,48	195,35	194,16	179,85	174,13
61051	STR frame B GF	201,47	200,52	203,06	202,00	190,24	180,91
61052	STR frame B GF	210,04	209,24	211,39	210,48	201,16	188,22
61053	STR frame B GF	219,40	218,75	220,49	219,74	212,75	196,13
61054	STR frame B GF	229,75	229,24	230,57	229,98	225,10	204,81
61055	STR frame B GF	241,17	240,81	241,73	241,29	238,28	214,39
61056	STR frame B GF	254,29	254,07	254,62	254,31	252,68	225,01
61057	STR frame B GF	262,98	262,84	263,15	262,92	262,00	231,42
62011	STR frame C GF	80,06	79,55	80,31	79,76	72,74	75,78
62012	STR frame C GF	88,91	88,19	89,60	88,82	78,18	83,20
62013	STR frame C GF	104,50	103,46	105,89	104,75	88,35	96,38
62014	STR frame C GF	118,23	116,93	120,16	118,74	98,10	108,07
62015	STR frame C GF	130,26	128,85	132,46	130,93	107,50	118,43
62016	STR frame C GF	140,42	138,94	142,81	141,20	116,67	127,66
62017	STR frame C GF	149,36	147,85	151,86	150,21	125,69	135,66
62018	STR frame C GF	157,44	155,92	159,98	158,33	134,42	142,84
62019	STR frame C GF	164,97	163,48	167,50	165,86	143,02	149,47
62047	STR frame C GF	172,16	170,73	174,61	173,03	151,71	155,77
62048	STR frame C GF	179,22	177,87	181,55	180,06	160,63	161,94
62049	STR frame C GF	186,41	185,16	188,56	187,18	169,96	168,16
62050	STR frame C GF	193,81	192,69	195,74	194,50	179,76	174,57
62051	STR frame C GF	201,65	200,66	203,35	202,25	190,12	181,34



62052	STR frame C GF	210,11	209,27	211,56	210,61	200,99	188,61
62053	STR frame C GF	219,36	218,67	220,55	219,75	212,52	196,47
62054	STR frame C GF	229,58	229,04	230,49	229,86	224,78	205,10
62055	STR frame C GF	240,85	240,47	241,49	241,03	237,86	214,60
62056	STR frame C GF	253,77	253,52	254,18	253,85	252,08	225,13
62057	STR frame C GF	262,31	262,15	262,57	262,32	261,27	231,48
63011	STR frame D GF	80,27	79,76	80,53	79,98	72,94	75,94
63012	STR frame D GF	89,08	88,37	89,78	89,00	78,36	83,33
63013	STR frame D GF	104,56	103,53	105,95	104,82	88,43	96,41
63014	STR frame D GF	118,26	116,99	120,18	118,78	98,10	108,09
63015	STR frame D GF	130,23	128,84	132,41	130,91	107,40	118,40
63016	STR frame D GF	140,32	138,86	142,69	141,10	116,45	127,57
63017	STR frame D GF	149,19	147,70	151,66	150,04	125,38	135,51
63018	STR frame D GF	157,22	155,73	159,73	158,10	134,03	142,65
63019	STR frame D GF	164,70	163,24	167,20	165,59	142,58	149,24
63047	STR frame D GF	171,86	170,45	174,28	172,73	151,24	155,52
63048	STR frame D GF	178,92	177,60	181,24	179,76	160,18	161,69
63049	STR frame D GF	186,11	184,88	188,25	186,90	169,53	167,91
63050	STR frame D GF	193,52	192,42	195,46	194,23	179,35	174,33
63051	STR frame D GF	201,39	200,41	203,10	202,01	189,77	181,13
63052	STR frame D GF	209,89	209,06	211,35	210,41	200,69	188,44
63053	STR frame D GF	219,15	218,47	220,36	219,57	212,26	196,33
63054	STR frame D GF	229,39	228,86	230,31	229,69	224,55	204,99
63055	STR frame D GF	240,68	240,31	241,33	240,87	237,66	214,52
63056	STR frame D GF	253,60	253,35	254,02	253,69	251,88	225,08
63057	STR frame D GF	262,14	261,97	262,41	262,16	261,07	231,44
64011	STR frame E GF	81,78	81,26	81,95	81,38	74,09	77,31
64012	STR frame E GF	91,00	90,28	91,54	90,75	79,87	85,10
64013	STR frame E GF	106,38	105,37	107,54	106,43	90,26	98,20
64014	STR frame E GF	119,77	118,52	121,41	120,04	100,02	109,67
64015	STR frame E GF	131,37	130,04	133,27	131,81	109,27	119,77
64016	STR frame E GF	141,20	139,80	143,29	141,75	118,19	128,70
64017	STR frame E GF	149,87	148,43	152,07	150,49	126,93	136,44
64018	STR frame E GF	157,69	156,26	159,96	158,37	135,30	143,39
64019	STR frame E GF	164,99	163,57	167,25	165,69	143,57	149,80
64047	STR frame E GF	171,95	170,59	174,16	172,65	151,94	155,91
64048	STR frame E GF	178,84	177,55	180,95	179,52	160,60	161,91
64049	STR frame E GF	185,88	184,68	187,84	186,52	169,70	168,01
64050	STR frame E GF	193,17	192,10	194,93	193,74	179,29	174,32
64051	STR frame E GF	200,92	199,98	202,48	201,41	189,52	181,04
64052	STR frame E GF	209,36	208,56	210,67	209,75	200,29	188,30
64053	STR frame E GF	218,58	217,93	219,64	218,88	211,77	196,19
64054	STR frame E GF	228,81	228,30	229,59	228,99	223,99	204,86
64055	STR frame E GF	240,09	239,74	240,61	240,17	237,06	214,43
64056	STR frame E GF	252,93	252,71	253,23	252,92	251,20	225,02
64057	STR frame E GF	261,43	261,29	261,59	261,36	260,35	231,42
65011	STR frame F GF	82,96	82,45	83,09	82,52	75,07	78,42
65012	STR frame F GF	92,06	91,35	92,58	91,80	80,76	86,12
65013	STR frame F GF	107,20	106,19	108,32	107,22	90,89	99,00
65014	STR frame F GF	120,38	119,15	122,01	120,65	100,38	110,27



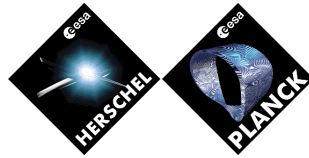
65015	STR frame F GF	131,79	130,45	133,69	132,23	109,38	120,19
65016	STR frame F GF	141,45	140,05	143,58	142,04	118,05	128,93
65017	STR frame F GF	149,96	148,51	152,23	150,64	126,58	136,50
65018	STR frame F GF	157,65	156,20	160,00	158,41	134,82	143,31
65019	STR frame F GF	164,85	163,41	167,21	165,63	142,99	149,62
65047	STR frame F GF	171,76	170,39	174,07	172,55	151,33	155,66
65048	STR frame F GF	178,63	177,33	180,84	179,39	160,01	161,65
65049	STR frame F GF	185,67	184,46	187,72	186,38	169,14	167,73
65050	STR frame F GF	192,98	191,90	194,84	193,63	178,80	174,07
65051	STR frame F GF	200,76	199,80	202,40	201,32	189,12	180,81
65052	STR frame F GF	209,20	208,39	210,59	209,66	199,97	188,09
65053	STR frame F GF	218,44	217,77	219,57	218,80	211,52	195,99
65054	STR frame F GF	228,68	228,17	229,53	228,93	223,81	204,68
65055	STR frame F GF	239,99	239,63	240,57	240,12	236,94	214,29
65056	STR frame F GF	252,88	252,65	253,22	252,90	251,12	224,94
65057	STR frame F GF	261,41	261,26	261,59	261,36	260,31	231,37
70011	MLI STR frame A GF	122,10	120,24	124,25	122,19	88,77	109,93
70012	MLI STR frame A GF	127,66	125,72	130,21	128,07	92,77	114,95
70013	MLI STR frame A GF	136,88	134,87	139,61	137,41	100,48	123,55
70014	MLI STR frame A GF	144,56	142,51	147,47	145,23	107,67	130,75
70015	MLI STR frame A GF	152,39	150,35	154,46	152,21	114,55	138,33
70016	MLI STR frame A GF	156,71	154,66	159,97	157,73	120,63	142,44
70017	MLI STR frame A GF	160,27	158,28	163,55	161,38	126,40	146,09
70018	MLI STR frame A GF	163,71	161,78	166,98	164,87	131,97	149,55
70019	MLI STR frame A GF	166,77	164,90	169,96	167,92	137,36	152,61
70047	MLI STR frame A GF	169,64	167,85	172,52	170,54	142,28	155,52
70048	MLI STR frame A GF	172,34	170,56	175,40	173,47	147,88	158,05
70049	MLI STR frame A GF	174,87	173,16	177,86	176,00	152,69	160,21
70050	MLI STR frame A GF	178,54	176,92	181,36	179,60	158,44	163,24
70051	MLI STR frame A GF	182,66	181,17	185,21	183,58	164,69	166,70
70052	MLI STR frame A GF	186,45	185,06	188,92	187,39	172,38	169,68
70053	MLI STR frame A GF	190,89	189,63	193,27	191,88	180,35	173,39
70054	MLI STR frame A GF	196,45	195,33	198,47	197,20	189,29	178,06
70055	MLI STR frame A GF	202,82	201,85	204,58	203,48	198,90	183,38
70056	MLI STR frame A GF	210,25	209,41	211,75	210,78	209,43	189,31
70057	MLI STR frame A GF	215,51	214,75	216,82	215,95	216,43	193,19
71011	MLI STR frame B GF	113,54	111,73	115,95	113,94	82,93	102,24
71012	MLI STR frame B GF	122,46	120,50	125,30	123,15	88,31	110,01
71013	MLI STR frame B GF	134,67	132,59	137,88	135,61	97,77	121,21
71014	MLI STR frame B GF	143,75	141,63	147,09	144,79	106,11	129,75
71015	MLI STR frame B GF	150,58	148,53	153,79	151,56	113,77	136,42
71016	MLI STR frame B GF	155,08	153,07	158,31	156,14	120,13	141,04
71017	MLI STR frame B GF	159,56	157,59	162,76	160,62	126,40	145,49
71018	MLI STR frame B GF	163,27	161,37	166,47	164,39	132,34	149,21
71019	MLI STR frame B GF	166,57	164,72	169,69	167,67	137,76	152,45
71047	MLI STR frame B GF	169,17	167,41	172,18	170,24	142,92	155,10
71048	MLI STR frame B GF	172,23	170,48	175,20	173,30	148,45	158,05
71049	MLI STR frame B GF	175,06	173,38	177,97	176,15	153,39	160,47
71050	MLI STR frame B GF	178,54	176,94	181,51	179,78	158,91	163,29
71051	MLI STR frame B GF	182,29	180,81	184,88	183,25	165,27	166,20



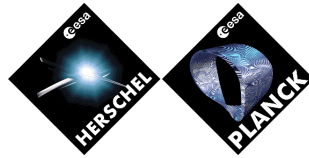
71052	MLI STR frame B GF	186,79	185,41	189,20	187,68	173,06	170,01
71053	MLI STR frame B GF	191,52	190,27	193,63	192,24	181,00	174,03
71054	MLI STR frame B GF	196,93	195,82	198,89	197,63	189,88	178,46
71055	MLI STR frame B GF	203,16	202,19	204,88	203,78	199,29	183,71
71056	MLI STR frame B GF	210,50	209,67	211,97	211,01	209,67	189,54
71057	MLI STR frame B GF	215,53	214,78	216,84	215,97	216,43	193,17
72011	MLI STR frame C GF	102,78	101,08	105,39	103,52	77,92	92,93
72012	MLI STR frame C GF	111,22	109,42	114,07	112,09	83,23	100,30
72013	MLI STR frame C GF	132,83	130,58	136,67	134,23	94,68	118,90
72014	MLI STR frame C GF	143,07	140,75	147,14	144,63	103,33	128,41
72015	MLI STR frame C GF	150,37	148,11	154,21	151,78	111,16	135,56
72016	MLI STR frame C GF	155,62	153,44	159,44	157,09	118,79	141,01
72017	MLI STR frame C GF	159,99	157,90	163,64	161,38	125,34	145,54
72018	MLI STR frame C GF	163,71	161,69	167,24	165,06	131,80	149,34
72019	MLI STR frame C GF	167,04	165,10	170,45	168,35	137,55	152,71
72047	MLI STR frame C GF	170,43	168,56	173,70	171,66	143,54	156,11
72048	MLI STR frame C GF	173,04	171,21	176,23	174,25	148,58	158,65
72049	MLI STR frame C GF	176,19	174,44	179,35	177,47	154,13	161,48
72050	MLI STR frame C GF	179,70	178,06	182,54	180,76	159,82	164,44
72051	MLI STR frame C GF	183,22	181,70	185,85	184,18	165,91	167,24
72052	MLI STR frame C GF	187,23	185,82	189,70	188,14	173,31	170,63
72053	MLI STR frame C GF	192,09	190,80	194,35	192,92	181,54	174,77
72054	MLI STR frame C GF	197,57	196,42	199,58	198,29	190,28	179,40
72055	MLI STR frame C GF	203,66	202,67	205,39	204,26	199,59	184,51
72056	MLI STR frame C GF	210,93	210,06	212,45	211,45	209,95	190,35
72057	MLI STR frame C GF	216,13	215,36	217,49	216,59	216,94	194,18
73011	MLI STR frame D GF	104,93	103,20	107,81	105,90	79,60	94,50
73012	MLI STR frame D GF	111,91	110,12	114,84	112,87	83,99	100,75
73013	MLI STR frame D GF	131,59	129,41	135,36	132,99	94,72	117,80
73014	MLI STR frame D GF	143,65	141,37	147,58	145,11	103,53	128,92
73015	MLI STR frame D GF	150,64	148,42	154,63	152,23	111,35	135,76
73016	MLI STR frame D GF	155,45	153,31	159,21	156,90	118,23	140,85
73017	MLI STR frame D GF	159,62	157,56	163,28	161,05	124,93	145,18
73018	MLI STR frame D GF	163,41	161,44	166,73	164,58	131,06	149,13
73019	MLI STR frame D GF	166,62	164,72	170,01	167,94	136,77	152,35
73047	MLI STR frame D GF	169,44	167,63	172,68	170,70	142,45	155,24
73048	MLI STR frame D GF	172,86	171,06	176,02	174,07	148,16	158,50
73049	MLI STR frame D GF	175,68	173,98	178,65	176,81	153,55	161,08
73050	MLI STR frame D GF	179,02	177,40	181,98	180,21	158,85	163,81
73051	MLI STR frame D GF	182,81	181,30	185,54	183,89	165,42	166,86
73052	MLI STR frame D GF	187,19	185,80	189,67	188,12	173,18	170,61
73053	MLI STR frame D GF	191,92	190,64	194,19	192,77	181,28	174,62
73054	MLI STR frame D GF	197,25	196,11	199,25	197,98	189,90	179,08
73055	MLI STR frame D GF	203,46	202,47	205,23	204,11	199,37	184,32
73056	MLI STR frame D GF	210,76	209,90	212,29	211,30	209,71	190,27
73057	MLI STR frame D GF	215,83	215,06	217,48	216,60	216,54	193,96
74011	MLI STR frame E GF	117,56	115,58	120,48	118,30	86,44	105,27
74012	MLI STR frame E GF	127,18	125,12	129,11	126,84	91,30	114,19
74013	MLI STR frame E GF	136,88	134,75	140,16	137,82	99,84	123,04
74014	MLI STR frame E GF	144,57	142,45	147,89	145,59	107,64	130,48



74015	MLI STR frame E GF	151,10	149,04	154,38	152,14	114,50	136,88
74016	MLI STR frame E GF	155,84	153,81	159,17	156,97	120,83	141,68
74017	MLI STR frame E GF	160,30	158,32	163,57	161,42	127,11	146,18
74018	MLI STR frame E GF	163,96	162,05	167,13	165,04	132,88	149,86
74019	MLI STR frame E GF	167,00	165,14	170,07	168,04	138,12	152,95
74047	MLI STR frame E GF	169,67	167,90	172,67	170,73	143,22	155,69
74048	MLI STR frame E GF	172,20	170,45	175,25	173,35	148,34	158,13
74049	MLI STR frame E GF	175,36	173,67	178,26	176,43	153,54	160,91
74050	MLI STR frame E GF	178,54	176,94	181,26	179,53	158,71	163,51
74051	MLI STR frame E GF	181,83	180,35	184,38	182,76	164,61	166,07
74052	MLI STR frame E GF	186,04	184,67	188,43	186,92	172,10	169,64
74053	MLI STR frame E GF	191,02	189,76	193,22	191,82	180,38	173,89
74054	MLI STR frame E GF	196,39	195,29	198,14	196,89	188,82	178,50
74055	MLI STR frame E GF	203,02	202,05	204,22	203,12	198,39	184,30
74056	MLI STR frame E GF	209,53	208,69	211,00	210,04	208,38	189,33
74057	MLI STR frame E GF	214,48	213,74	215,77	214,91	215,16	192,98
75011	MLI STR frame F GF	122,44	120,55	124,66	122,58	89,35	110,16
75012	MLI STR frame F GF	128,62	126,65	131,27	129,10	93,33	115,70
75013	MLI STR frame F GF	136,82	134,79	139,66	137,44	100,79	123,38
75014	MLI STR frame F GF	144,82	142,76	147,99	145,74	107,72	130,93
75015	MLI STR frame F GF	151,39	149,33	154,67	152,43	114,31	137,18
75016	MLI STR frame F GF	156,15	154,11	159,47	157,25	120,30	141,97
75017	MLI STR frame F GF	160,11	158,10	163,48	161,30	126,10	145,94
75018	MLI STR frame F GF	163,37	161,42	166,86	164,74	131,59	149,25
75019	MLI STR frame F GF	166,15	164,26	169,48	167,42	136,66	152,05
75047	MLI STR frame F GF	168,87	167,05	172,07	170,09	141,83	154,76
75048	MLI STR frame F GF	171,80	170,01	174,92	172,99	147,40	157,67
75049	MLI STR frame F GF	174,57	172,86	177,56	175,71	152,42	160,10
75050	MLI STR frame F GF	178,34	176,70	181,19	179,42	157,91	163,24
75051	MLI STR frame F GF	181,98	180,47	184,64	182,98	164,24	166,12
75052	MLI STR frame F GF	185,77	184,38	188,25	186,71	171,54	169,32
75053	MLI STR frame F GF	190,62	189,34	192,88	191,47	179,85	173,48
75054	MLI STR frame F GF	195,96	194,82	197,98	196,71	188,59	177,97
75055	MLI STR frame F GF	202,26	201,28	203,96	202,84	197,98	183,40
75056	MLI STR frame F GF	209,28	208,43	210,79	209,82	208,10	189,09
75057	MLI STR frame F GF	214,26	213,50	215,61	214,72	214,91	192,76
80001	<1> EXTERNAL LENS	274,75	274,79	276,33	276,31	274,62	237,87
80002	<2> HALF TOP OPTICAL FRA	281,60	281,65	282,54	282,52	281,57	241,60
80003	<3> SECOND HALF TOP OPTI	281,61	281,66	282,55	282,53	281,58	241,60
80004	<4> HALF MIDDLE OPTICAL	285,14	285,19	285,71	285,70	285,16	243,53
80005	<5> SECOND HALF MIDDLE O	285,15	285,20	285,72	285,71	285,17	243,53
80006	<6> HALF BOTTOM OPTICAL	287,71	287,76	288,01	288,00	287,78	244,94
80007	<7> SECOND HALF BOTTOM O	287,72	287,78	288,03	288,01	287,79	244,93
80008	<8> INTERNAL LENS	287,74	287,80	288,04	288,02	287,81	244,95
80009	<9> HALF CYLINDRIC FRAME	287,80	287,85	288,07	288,06	287,87	245,05
80010	<10> SECOND HALF CYLINDR	287,81	287,86	288,08	288,07	287,88	245,04
80011	<11> BOTTOM	288,02	288,08	288,21	288,20	288,11	245,35
80012	<12> THERMAL PLATE	288,17	288,23	288,31	288,29	288,27	245,57
80014	<14> CCD HOUSING	288,43	288,49	288,56	288,55	288,53	245,57
80015	<15> WINDOW CCD	288,34	288,40	288,50	288,48	288,44	245,52



80016	<16> THERMAL STRAP 1	288,05	288,11	288,18	288,16	288,16	245,61
80017	<17> THERMAL STRAP 2	288,05	288,11	288,17	288,15	288,15	245,62
80018	<18> THERMAL STRAP 3	288,03	288,09	288,15	288,14	288,13	245,62
80019	<19> THERMAL STRAP 4	288,03	288,09	288,15	288,14	288,13	245,62
80020	<20> THERMAL STRAP 5	288,05	288,11	288,17	288,15	288,15	245,62
80021	<21> HALF BOTTOM CYLINDR	288,04	288,10	288,18	288,16	288,14	245,57
80022	<22> SECOND HALF BOTTOM	288,13	288,19	288,27	288,26	288,23	245,56
80023	<23> HALF MIDDLE CYLINDR	289,63	289,69	290,02	290,00	289,69	245,01
80024	<24> SECOND HALF MIDDLE	289,57	289,63	289,95	289,94	289,62	245,00
80025	<25> HALF TOP CYLINDRIC	290,28	290,33	290,82	290,81	290,30	244,70
80026	<26> SECOND HALF TOP CYL	290,41	290,46	290,95	290,93	290,43	244,68
80027	<27> -X FOOT	288,05	288,11	288,13	288,12	288,17	245,71
80028	<28> +Y FOOT	288,02	288,08	288,14	288,13	288,12	245,63
80029	<29> +X FOOT	287,68	287,74	287,78	287,76	287,78	245,66
80030	<30> -Y FOOT	287,95	288,01	288,07	288,05	288,06	245,63
80031	<31> -Z LOWER COVER	287,95	288,01	288,06	288,04	288,05	245,65
80032	<32> UPPER COVER 1	291,09	291,14	291,67	291,65	291,11	244,64
80033	<33> UPPER COVER 2	290,80	290,85	291,39	291,37	290,81	244,63
80034	<34> UPPER COVER 3	290,42	290,47	291,00	290,99	290,43	244,70
80035	<35> UPPER COVER 4	290,54	290,59	291,12	291,11	290,55	244,63
80036	<36> PCB SHIELD	294,59	294,65	295,10	295,08	294,62	244,96
80037	<37> PCB DC/DC 1	294,85	294,90	295,38	295,36	294,87	244,95
80038	<38> PCB SUPPORT	290,38	290,44	290,93	290,92	290,41	244,94
80039	<39> PCB DC/DC 2	290,65	290,71	291,25	291,24	290,66	244,90
80040	<40> COVER +X	289,86	289,91	290,79	290,77	289,80	244,60
80041	<41> SUPPORT 1	291,34	291,40	291,77	291,76	291,38	245,10
80042	<42> SUPPORT 2	291,44	291,50	291,86	291,85	291,49	245,10
80043	<43> SUPPORT 3	299,46	299,52	299,85	299,83	299,51	245,11
80044	<44> SUPPORT 4	294,35	294,40	294,74	294,73	294,40	245,09
80045	<45> PCB PROCESSING	292,95	293,01	293,37	293,35	293,00	245,10
80046	<46> COVER -X	290,09	290,15	290,74	290,72	290,09	244,94
80047	<47> PCB I/F	295,14	295,19	295,55	295,53	295,18	245,08
80048	<48> COVER -Y	289,60	289,66	290,18	290,16	289,62	245,00
80049	<49> PCB PROXIMITY	302,85	302,90	303,25	303,23	302,89	245,09
80050	<50> COVER +Y	290,23	290,28	290,82	290,80	290,24	244,99
80051	<51> INTERNAL BAFFLE	230,12	230,11	239,65	239,60	228,71	201,42
80052	<52> BAFFLE	227,10	227,08	237,09	237,03	225,61	199,59
80053	<53> PELTIER(RADIATIVE)	288,27	288,33	288,40	288,39	288,37	245,57
80054	<54> PELTIER(CONDUCTIVE)	293,00	293,00	293,00	293,00	293,00	293,00
80055	<55> C1 I/F	299,44	299,49	299,86	299,84	299,48	245,06
80056	<56> C2 I/F	293,16	293,22	293,55	293,54	293,22	245,16
80057	<57> C3 DC/DC1	300,92	300,97	301,45	301,43	300,94	244,95
80058	<58> C4 DC/DC1	302,12	302,17	302,65	302,63	302,14	244,95
80059	<59> C5 DC/DC1	302,12	302,17	302,65	302,63	302,14	244,95
80060	<60> C6 DC/DC1	296,00	296,05	296,53	296,51	296,02	244,95
80061	<61> C7 DC/DC1	294,69	294,74	295,20	295,19	294,71	244,95
80062	<62> C8 PROXIMITY	304,70	304,76	305,11	305,10	304,75	245,09
80063	<63> C9 PROCESSING	308,99	309,04	309,48	309,47	309,02	244,90
80064	<64> C10 PROCESSING	303,71	303,77	303,97	303,95	303,78	245,39
80065	<65> C11 PROCESSING	296,27	296,32	296,81	296,79	296,29	244,75



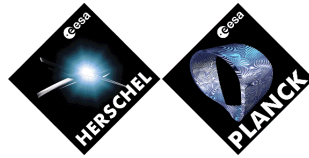
80066	<66> C12 PROXIMITY	307,49	307,54	307,88	307,87	307,54	245,10
80067	<67> C13 DC/DC1	294,69	294,74	295,20	295,19	294,71	244,95
80068	<68> C14 DC/DC1	298,03	298,09	298,55	298,54	298,06	244,95
80070	<70> HALF CYLINDRIC COVE	288,47	288,53	288,70	288,69	288,55	245,31
80071	<71> SECOND HALF CYLINDR	288,48	288,54	288,72	288,71	288,57	245,30
81001	<1> EXTERNAL LENS	269,64	269,68	271,22	271,20	269,44	237,86
81002	<2> HALF TOP OPTICAL FRA	276,05	276,10	276,99	276,97	275,95	241,60
81003	<3> SECOND HALF TOP OPTI	276,05	276,10	276,99	276,98	275,95	241,60
81004	<4> HALF MIDDLE OPTICAL	279,39	279,45	279,98	279,96	279,36	243,52
81005	<5> SECOND HALF MIDDLE O	279,39	279,44	279,97	279,96	279,35	243,52
81006	<6> HALF BOTTOM OPTICAL	281,84	281,90	282,16	282,14	281,85	244,93
81007	<7> SECOND HALF BOTTOM O	281,82	281,88	282,14	282,12	281,83	244,92
81008	<8> INTERNAL LENS	281,87	281,93	282,18	282,17	281,88	244,94
81009	<9> HALF CYLINDRIC FRAME	282,04	282,10	282,32	282,31	282,06	245,04
81010	<10> SECOND HALF CYLINDR	282,03	282,09	282,31	282,30	282,04	245,04
81011	<11> BOTTOM	282,55	282,60	282,75	282,73	282,58	245,35
81012	<12> THERMAL PLATE	282,92	282,98	283,06	283,05	282,96	245,57
81014	<14> CCD HOUSING	282,91	282,97	283,05	283,04	282,95	245,56
81015	<15> WINDOW CCD	282,79	282,85	282,95	282,94	282,83	245,51
81016	<16> THERMAL STRAP 1	282,99	283,05	283,12	283,11	283,03	245,60
81017	<17> THERMAL STRAP 2	282,99	283,05	283,12	283,11	283,04	245,61
81018	<18> THERMAL STRAP 3	283,00	283,06	283,13	283,12	283,05	245,61
81019	<19> THERMAL STRAP 4	283,00	283,06	283,13	283,12	283,05	245,61
81020	<20> THERMAL STRAP 5	282,99	283,05	283,12	283,11	283,04	245,61
81021	<21> HALF BOTTOM CYLINDR	282,94	283,00	283,09	283,08	282,99	245,57
81022	<22> SECOND HALF BOTTOM	282,90	282,96	283,05	283,04	282,94	245,55
81023	<23> HALF MIDDLE CYLINDR	282,05	282,10	282,45	282,43	282,04	245,00
81024	<24> SECOND HALF MIDDLE	282,02	282,08	282,42	282,40	282,02	244,99
81025	<25> HALF TOP CYLINDRIC	281,61	281,67	282,17	282,16	281,57	244,69
81026	<26> SECOND HALF TOP CYL	281,59	281,65	282,15	282,13	281,55	244,68
81027	<27> -X FOOT	283,10	283,16	283,19	283,17	283,15	245,70
81028	<28> +Y FOOT	283,01	283,07	283,14	283,12	283,06	245,63
81029	<29> +X FOOT	283,13	283,19	283,24	283,22	283,18	245,66
81030	<30> -Y FOOT	283,05	283,11	283,17	283,16	283,09	245,63
81031	<31> -Z LOWER COVER	283,05	283,11	283,17	283,16	283,10	245,64
81032	<32> UPPER COVER 1	281,56	281,61	282,15	282,14	281,50	244,64
81033	<33> UPPER COVER 2	281,54	281,59	282,14	282,13	281,48	244,62
81034	<34> UPPER COVER 3	281,65	281,71	282,25	282,24	281,60	244,69
81035	<35> UPPER COVER 4	281,54	281,60	282,15	282,13	281,49	244,62
81036	<36> PCB SHIELD	282,03	282,08	282,55	282,54	281,99	244,95
81037	<37> PCB DC/DC 1	282,01	282,07	282,56	282,54	281,97	244,94
81038	<38> PCB SUPPORT	282,00	282,06	282,57	282,55	281,96	244,93
81039	<39> PCB DC/DC 2	281,93	281,99	282,55	282,53	281,88	244,90
81040	<40> COVER +X	281,46	281,52	282,42	282,40	281,33	244,59
81041	<41> SUPPORT 1	282,21	282,27	282,66	282,64	282,19	245,09
81042	<42> SUPPORT 2	282,21	282,26	282,64	282,63	282,19	245,09
81043	<43> SUPPORT 3	282,22	282,28	282,63	282,61	282,21	245,10
81044	<44> SUPPORT 4	282,21	282,27	282,63	282,61	282,20	245,08
81045	<45> PCB PROCESSING	282,19	282,25	282,62	282,61	282,17	245,09
81046	<46> COVER -X	281,94	282,00	282,61	282,59	281,87	244,94



81047	<47> PCB I/F	282,20	282,25	282,62	282,61	282,18	245,08
81048	<48> COVER -Y	282,07	282,12	282,66	282,64	282,01	245,00
81049	<49> PCB PROXIMITY	282,19	282,25	282,62	282,60	282,18	245,09
81050	<50> COVER +Y	282,03	282,09	282,64	282,62	281,98	244,99
81051	<51> INTERNAL BAFFLE	225,27	225,26	235,20	235,14	223,57	201,40
81052	<52> BAFFLE	222,50	222,48	232,90	232,84	220,72	199,57
81053	<53> PELTIER(RADIATIVE)	282,91	282,97	283,06	283,04	282,96	245,56
81054	<54> PELTIER(CONDUCTIVE)	293,00	293,00	293,00	293,00	293,00	293,00
81055	<55> C1 I/F	282,16	282,22	282,60	282,59	282,14	245,06
81056	<56> C2 I/F	282,32	282,37	282,72	282,70	282,30	245,16
81057	<57> C3 DC/DC1	282,01	282,07	282,56	282,54	281,97	244,94
81058	<58> C4 DC/DC1	282,01	282,07	282,56	282,54	281,97	244,94
81059	<59> C5 DC/DC1	282,01	282,07	282,56	282,54	281,97	244,94
81060	<60> C6 DC/DC1	282,01	282,07	282,56	282,54	281,97	244,94
81061	<61> C7 DC/DC1	282,02	282,08	282,56	282,54	281,98	244,95
81062	<62> C8 PROXIMITY	282,20	282,26	282,63	282,61	282,18	245,09
81063	<63> C9 PROCESSING	281,92	281,98	282,43	282,41	281,89	244,89
81064	<64> C10 PROCESSING	282,63	282,69	282,90	282,89	282,64	245,38
81065	<65> C11 PROCESSING	281,70	281,76	282,26	282,25	281,66	244,74
81066	<66> C12 PROXIMITY	282,21	282,27	282,62	282,61	282,19	245,09
81067	<67> C13 DC/DC1	282,02	282,08	282,56	282,54	281,98	244,95
81068	<68> C14 DC/DC1	282,02	282,08	282,56	282,54	281,98	244,95
81070	<70> HALF CYLINDRIC COVE	282,52	282,58	282,76	282,75	282,54	245,31
81071	<71> SECOND HALF CYLINDR	282,48	282,54	282,73	282,71	282,50	245,29
99852	MLI STRPY BAFFLE	197,57	196,95	275,85	275,56	176,24	172,69
99853	MLI STRPY BOX	215,80	215,37	269,39	269,09	199,45	187,28
99872	MLI STRMY BAFFLE	196,56	195,94	275,35	275,06	171,80	172,40
99873	MLI STRMY BOX	214,79	214,35	268,89	268,59	194,91	187,35

APPENDIX 2: PLANCK SUN ILLUMINATION AT 17° TEMPERATURE RESULTS

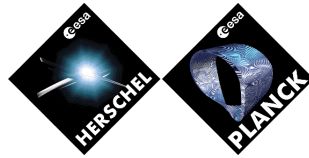
NODE	LABEL	T(K) at 400s (after separation)	Tmin (K) over 400s	Tmax (K) over 400s
1101	NOZZLE	326,01	300,00	326,01
1102	DECOMP, CHAMBER	312,00	300,00	312,00
1103	INSULATION	383,01	300,00	383,01
1104	HEAD PLATE	313,52	300,00	313,52
1105	HEAT BARRIER 1	314,64	300,00	314,66
1106	HEAT BARRIER 2	309,11	299,94	309,11
1107	HEAT BARRIER 3	305,87	300,00	305,87
1108	HEAT BARR FLANG	302,73	300,00	302,73
1109	FCV FLANGE I/F	300,47	300,00	300,47
1110	ADJUSTMENT RING	300,82	300,00	300,82
1111	TURNING DISC	300,15	300,00	300,15
1121	NOZZLE	325,85	300,00	325,85
1122	DECOMP, CHAMBER	311,80	300,00	311,80
1123	INSULATION	382,52	300,00	382,59



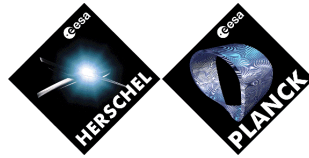
1124	HEAD PLATE	312,92	300,00	312,92
1125	HEAT BARRIER 1	313,81	300,00	313,87
1126	HEAT BARRIER 2	308,51	299,91	308,51
1127	HEAT BARRIER 3	305,32	300,00	305,32
1128	HEAT BARR FLANG	302,48	300,00	302,48
1129	FCV FLANGE I/F	300,43	300,00	300,43
1130	ADJUSTMENT RING	300,77	300,00	300,77
1131	TURNING DISC	300,15	300,00	300,15
1132	SUPPORT BRACKET	300,01	300,00	300,03
1133	FCV BODY MAIN	300,18	300,00	300,18
1134	FCV BODY REDUNDANT	300,17	300,00	300,17
1145	THRUSTER BRACKET	300,06	300,00	300,06
1146	EXT MLI BRACKET	350,77	300,00	352,00
1201	NOZZLE	325,92	300,00	325,92
1202	DECOMP, CHAMBER	311,98	300,00	311,98
1203	INSULATION	382,85	300,00	383,04
1204	HEAD PLATE	313,38	300,00	313,38
1205	HEAT BARRIER 1	315,13	300,00	315,13
1206	HEAT BARRIER 2	308,88	299,96	308,88
1207	HEAT BARRIER 3	305,64	300,00	305,64
1208	HEAT BARR FLANG	302,62	300,00	302,62
1209	FCV FLANGE I/F	300,46	300,00	300,46
1210	ADJUSTMENT RING	300,80	300,00	300,80
1211	TURNING DISC	300,15	300,00	300,15
1221	NOZZLE	326,05	300,00	326,05
1222	DECOMP, CHAMBER	311,90	300,00	311,90
1223	INSULATION	382,78	300,00	382,91
1224	HEAD PLATE	313,13	300,00	313,13
1225	HEAT BARRIER 1	314,74	300,00	314,74
1226	HEAT BARRIER 2	308,85	299,95	308,85
1227	HEAT BARRIER 3	305,78	300,00	305,78
1228	HEAT BARR FLANG	302,68	300,00	302,68
1229	FCV FLANGE I/F	300,46	300,00	300,46
1230	ADJUSTMENT RING	300,82	300,00	300,82
1231	TURNING DISC	300,15	300,00	300,15
1232	SUPPORT BRACKET	300,10	300,00	300,10
1233	FCV BODY MAIN	300,18	300,00	300,18
1234	FCV BODY REDUNDANT	300,18	300,00	300,18
1245	THRUSTER BRACKET	300,06	300,00	300,06
1246	EXT MLI BRACKET	346,89	300,00	351,15
1301	NOZZLE	315,75	300,00	315,75
1302	DECOMP, CHAMBER	309,33	300,00	309,33
1303	INSULATION	385,72	300,00	385,72
1304	HEAD PLATE	308,34	299,98	308,34
1305	HEAT BARRIER 1	307,57	299,56	307,78
1306	HEAT BARRIER 2	304,89	299,58	304,89
1307	HEAT BARRIER 3	303,97	299,96	304,02
1308	HEAT BARR FLANG	301,86	300,00	301,86
1309	FCV FLANGE I/F	300,21	299,99	300,21
1310	ADJUSTMENT RING	300,43	300,00	300,43



1311	TURNING DISC	300,09	300,00	300,09
1321	NOZZLE	316,42	300,00	316,42
1322	DECOMP, CHAMBER	309,79	300,00	309,79
1323	INSULATION	394,31	300,00	394,31
1324	HEAD PLATE	309,10	300,00	309,10
1325	HEAT BARRIER 1	308,24	299,65	308,76
1326	HEAT BARRIER 2	305,72	299,60	305,72
1327	HEAT BARRIER 3	304,94	299,95	305,03
1328	HEAT BARR FLANG	302,67	300,00	302,67
1329	FCV FLANGE I/F	301,25	300,00	301,25
1330	ADJUSTMENT RING	301,08	300,00	301,08
1331	TURNING DISC	300,18	300,00	300,18
1332	SUPPORT BRACKET	300,06	300,00	300,06
1333	FCV BODY MAIN	300,07	300,00	300,07
1334	FCV BODY REDUNDANT	300,59	300,00	300,59
1345	THRUSTER BRACKET	300,05	300,00	300,05
1346	EXT MLI BRACKET	338,42	300,00	347,89
1401	NOZZLE	317,44	300,00	317,44
1402	DECOMP, CHAMBER	310,45	300,00	310,45
1403	INSULATION	402,10	300,00	402,10
1404	HEAD PLATE	310,37	300,00	310,37
1405	HEAT BARRIER 1	309,63	299,84	310,03
1406	HEAT BARRIER 2	306,47	299,65	306,47
1407	HEAT BARRIER 3	305,11	299,98	305,14
1408	HEAT BARR FLANG	302,41	300,00	302,41
1409	FCV FLANGE I/F	300,28	299,99	300,28
1410	ADJUSTMENT RING	300,58	300,00	300,58
1411	TURNING DISC	300,12	300,00	300,12
1421	NOZZLE	316,70	300,00	316,70
1422	DECOMP, CHAMBER	310,03	300,00	310,03
1423	INSULATION	397,08	300,00	397,08
1424	HEAD PLATE	309,64	299,99	309,64
1425	HEAT BARRIER 1	309,00	299,63	309,64
1426	HEAT BARRIER 2	306,25	299,59	306,25
1427	HEAT BARRIER 3	305,32	299,97	305,41
1428	HEAT BARR FLANG	302,89	300,00	302,89
1429	FCV FLANGE I/F	301,38	300,00	301,38
1430	ADJUSTMENT RING	301,24	300,00	301,24
1431	TURNING DISC	300,21	300,00	300,21
1432	SUPPORT BRACKET	300,07	300,00	300,07
1433	FCV BODY MAIN	300,08	299,99	300,08
1434	FCV BODY REDUNDANT	300,60	300,00	300,60
1445	THRUSTER BRACKET	300,06	300,00	300,06
1446	EXT MLI BRACKET	345,68	300,00	354,94
1501	NOZZLE	302,48	299,48	302,48
1502	DECOMP, CHAMBER	318,65	300,00	318,65
1504	HEAD PLATE	307,10	299,76	307,10
1505	HEAT BARRIER 1	304,11	298,37	304,11
1506	HEAT BARRIER 2	300,47	297,99	300,47
1521	NOZZLE	302,32	299,45	302,32



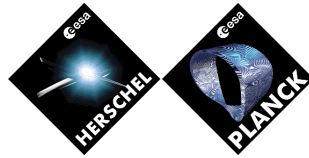
1522	DECOMP, CHAMBER	318,42	300,00	318,42
1524	HEAD PLATE	306,42	299,63	306,42
1525	HEAT BARRIER 1	303,18	297,95	303,18
1611	SVM Bot +Z+Y	300,41	300,00	300,41
1617	SVM Bot +Z+Y	300,39	300,00	300,39
1621	SVM Bot +Y	300,08	300,00	300,08
1631	SVM Bot -Z-Y	300,43	300,00	300,43
1637	SVM Bot -Z-Y	300,41	300,00	300,41
1641	SVM Bot -Z	300,37	300,00	300,37
1651	SVM Bot -Z-Y	300,41	300,00	300,41
1657	SVM Bot -Z-Y	300,41	300,00	300,41
1661	SVM Bot -Y	300,34	300,00	300,34
1671	SVM Bot +Z-Y	300,21	300,00	300,21
1677	SVM Bot +Z-Y	300,25	300,00	300,25
1701	NOZZLE	302,35	299,46	302,35
1702	DECOMP, CHAMBER	318,46	300,00	318,46
1704	HEAD PLATE	306,52	299,65	306,52
1705	HEAT BARRIER 1	303,30	298,01	303,30
1721	NOZZLE	302,32	299,45	302,32
1722	DECOMP, CHAMBER	318,43	300,00	318,43
1724	HEAD PLATE	306,45	299,63	306,45
1725	HEAT BARRIER 1	303,23	297,98	303,23
1734	FCV BODY REDUNDANT	299,82	299,82	300,00
2001	Launcher Adapter Ring	301,31	299,96	301,31
2002	Launcher Adapter Ring	301,21	299,94	301,21
2003	Launcher Adapter Ring	301,07	299,94	301,07
2004	Launcher Adapter Ring	301,24	299,94	301,24
2005	Launcher Adapter Ring	301,13	299,97	301,13
2006	Launcher Adapter Ring	301,23	299,97	301,23
2007	Launcher Adapter Ring	301,12	299,98	301,12
2008	Launcher Adapter Ring	301,18	299,96	301,18
2011	Launcher Adapter Edge	301,28	300,00	301,28
2012	Launcher Adapter Edge	301,08	300,00	301,08
2013	Launcher Adapter Edge	300,97	300,00	300,97
2014	Launcher Adapter Edge	301,07	300,00	301,07
2015	Launcher Adapter Edge	301,02	300,00	301,02
2016	Launcher Adapter Edge	301,14	300,00	301,14
2017	Launcher Adapter Edge	301,04	300,00	301,04
2018	Launcher Adapter Edge	301,07	300,00	301,07
2021	Launcher Adapter Ring	300,70	300,00	300,70
2022	Launcher Adapter Ring	300,43	300,00	300,43
2023	Launcher Adapter Ring	300,61	300,00	300,61
2024	Launcher Adapter Ring	300,44	300,00	300,44
2025	Launcher Adapter Ring	300,64	300,00	300,64
2026	Launcher Adapter Ring	300,44	300,00	300,44
2027	Launcher Adapter Ring	300,65	300,00	300,65
2028	Launcher Adapter Ring	300,43	300,00	300,43
2101	Launcher Adapter Ring	301,04	299,99	301,04
2102	Launcher Adapter Ring	300,82	299,99	300,82
2103	Launcher Adapter Ring	300,81	299,99	300,81



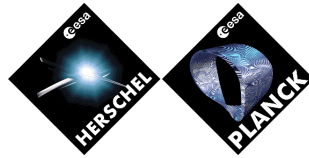
2104	Launcher Adapter Ring	300,82	299,99	300,82
2105	Launcher Adapter Ring	300,86	300,00	300,86
2106	Launcher Adapter Ring	300,85	300,00	300,85
2107	Launcher Adapter Ring	300,88	300,00	300,88
2108	Launcher Adapter Ring	300,82	299,99	300,82
2111	Launcher Adapter Edge	301,02	300,00	301,02
2112	Launcher Adapter Edge	300,76	300,00	300,76
2113	Launcher Adapter Edge	300,77	300,00	300,77
2114	Launcher Adapter Edge	300,76	300,00	300,76
2115	Launcher Adapter Edge	300,82	300,00	300,82
2116	Launcher Adapter Edge	300,81	300,00	300,81
2117	Launcher Adapter Edge	300,83	300,00	300,83
2118	Launcher Adapter Edge	300,76	300,00	300,76
2121	Launcher Adapter Ring	300,74	300,00	300,74
2122	Launcher Adapter Ring	300,45	300,00	300,45
2123	Launcher Adapter Ring	300,66	300,00	300,66
2124	Launcher Adapter Ring	300,45	300,00	300,45
2125	Launcher Adapter Ring	300,68	300,00	300,68
2126	Launcher Adapter Ring	300,46	300,00	300,46
2127	Launcher Adapter Ring	300,69	300,00	300,69
2128	Launcher Adapter Ring	300,44	300,00	300,44
3103	OSR Rad +Y+Z	300,66	299,96	300,66
3639	OSR Rad -Y	301,21	299,60	301,21
3640	OSR Rad -Y	303,60	300,00	303,60
3644	OSR Rad -Y	300,16	299,93	300,16
3648	OSR Rad -Y	302,57	299,88	302,57
3922	LGA+Y SEPTUM	296,46	296,46	300,25
3924	LGA+Y LOAD	308,84	300,00	308,85
3950	SAS2 BRACKET	302,11	300,00	302,11
3951	SAS2 HOUSING	313,21	300,00	313,21
3952	SAS2 PYRAMID	315,79	300,00	315,79
3953	SAS2 CHIP	318,59	300,00	318,59
3960	VMC	300,72	300,00	300,72
3962	LGA+Y SEPTUM	295,69	295,69	300,24
3963	LGA+Y SUPPORT	299,35	299,35	300,01
3964	LGA+Y LOAD	308,47	300,00	308,54
3965	SREM LENS	300,24	300,00	300,24
3966	SREM	300,24	300,00	300,24
3968	AAD_BRK	300,53	300,00	300,53
3969	AAD_BRK	301,06	300,00	301,06
3970	AAD_HOUSING	302,51	300,00	302,51
3971	OPTHEAD1	306,79	300,00	306,79
3972	UPPER APERTURE1	314,21	300,00	314,21
3973	CHIP1	303,06	300,00	303,06
3974	OPTHEAD2	306,79	300,00	306,79
3975	UPPER APERTURE2	314,21	300,00	314,21
3976	CHIP2	303,06	300,00	303,06
3981	MGA-X 1SUNSHIELD RING	330,73	300,00	330,73
3982	MGA-X 2aSUNSHIELD	327,75	300,00	327,75
3983	MGA-X 2bSUNSHIELD	364,21	300,00	364,21



3984	MGA-X 3aHORN	315,35	300,00	315,35
3985	MGA-X 3bHORN	306,40	300,00	306,40
3986	MGA-X SEPTUM	304,33	300,00	304,33
3987	MGA-X SUPPORT	301,14	300,00	301,14
3988	MGA-X LOAD	312,73	300,00	312,73
3991	LGA-X HORN	320,52	300,00	320,52
3992	LGA-X SEPTUM	309,38	300,00	309,38
3993	LGA-X SUPPORT	301,09	300,00	301,09
3994	LGA-X LOAD	315,02	300,00	315,02
4950	MLI SAS2 MX	313,21	300,00	313,21
4959	SAS2 MLI BOX	323,86	296,57	324,47
4969	MLI AAD_BRK	365,95	300,00	368,12
4970	MLI AAD_LAT_HOUSING	328,18	300,00	345,32
4971	MLI OPTHEAD1	331,47	300,00	335,33
4972	MLI_AAD_HOUSING	389,05	300,00	390,41
4974	MLI OPTHEAD2	335,04	300,00	338,49
5409	<9> HALF CYLINDRIC FRAME	299,96	299,96	300,03
5410	<10> SECOND HALF CYLINDR	299,97	299,97	300,03
5411	<11> BOTTOM	300,08	300,00	300,18
5412	<12> THERMAL PLATE	300,08	300,00	300,38
5414	<14> CCD HOUSING	300,16	300,00	300,16
5415	<15> WINDOW CCD	300,11	300,00	300,11
5416	<16> THERMAL STRAP 1	299,74	299,74	300,09
5417	<17> THERMAL STRAP 2	299,69	299,69	300,05
5418	<18> THERMAL STRAP 3	299,68	299,68	300,04
5419	<19> THERMAL STRAP 4	299,68	299,68	300,04
5420	<20> THERMAL STRAP 5	299,69	299,69	300,05
5423	<23> HALF MIDDLE CYLINDR	300,14	300,00	300,14
5424	<24> SECOND HALF MIDDLE	300,18	300,00	300,18
5425	<25> HALF TOP CYLINDRIC	300,43	300,00	300,43
5426	<26> SECOND HALF TOP CYL	300,58	300,00	300,58
5432	<32> UPPER COVER 1	301,12	300,00	301,12
5433	<33> UPPER COVER 2	300,70	300,00	300,70
5434	<34> UPPER COVER 3	300,43	299,99	300,43
5435	<35> UPPER COVER 4	300,67	300,00	300,67
5436	<36> PCB SHIELD	301,38	300,00	301,38
5437	<37> PCB DC/DC 1	302,04	300,00	302,04
5438	<38> PCB SUPPORT	300,21	299,97	300,21
5439	<39> PCB DC/DC 2	300,07	300,00	300,07
5441	<41> SUPPORT 1	301,53	300,00	301,53
5442	<42> SUPPORT 2	301,02	300,00	301,02
5443	<43> SUPPORT 3	305,19	300,00	305,19
5444	<44> SUPPORT 4	302,69	300,00	302,69
5445	<45> PCB PROCESSING	300,88	300,00	300,88
5446	<46> COVER -X	300,34	299,95	300,34



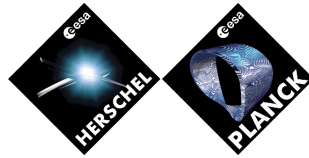
5447	<47> PCB I/F	301,83	300,00	301,83
5448	<48> COVER -Y	300,20	299,95	300,20
5449	<49> PCB PROXIMITY	304,62	300,00	304,62
5450	<50> COVER +Y	300,18	299,93	300,18
5453	<53> PELTIER(RADIATIVE)	300,06	300,00	300,21
5455	<55> C1 I/F	306,50	300,00	306,50
5456	<56> C2 I/F	302,36	300,00	302,36
5457	<57> C3 DC/DC1	308,09	300,00	308,09
5458	<58> C4 DC/DC1	309,25	300,00	309,25
5459	<59> C5 DC/DC1	309,25	300,00	309,25
5460	<60> C6 DC/DC1	303,10	300,00	303,10
5461	<61> C7 DC/DC1	301,79	300,00	301,79
5462	<62> C8 PROXIMITY	309,99	300,00	309,99
5463	<63> C9 PROCESSING	317,51	300,00	317,51
5464	<64> C10 PROCESSING	313,98	300,00	313,98
5465	<65> C11 PROCESSING	305,72	300,00	305,72
5466	<66> C12 PROXIMITY	311,25	300,00	311,25
5467	<67> C13 DC/DC1	301,79	300,00	301,79
5468	<68> C14 DC/DC1	304,94	300,00	304,94
8001	Solar Array vs, space -X	370,32	300,00	370,32
8002	Solar Array vs, space-X	370,40	300,00	370,40
8003	Solar Array vs, space -X	370,52	300,00	370,52
8004	Solar Array vs, space -X	370,25	300,00	370,25
8301	Central Solar Array -X	374,35	300,00	374,35
8302	Central Solar Array -X	374,56	300,00	374,56
8303	Central Solar Array -X	373,68	300,00	373,68
8304	Central Solar Array -X	373,99	300,00	373,99
8501	NOZZLE 1	364,33	299,96	364,33
8502	1DECOMP, CHAMBER	367,53	300,00	367,53
8503	DECOMP, COVER 1	316,85	293,31	316,85
8504	1HEAD PLATE	349,14	300,00	349,14
8505	1TITAN WASHER	353,06	300,00	353,06
8530	1HEAD PLATE	352,58	300,00	352,58
8531	1HEAD PLATE	338,94	299,67	338,94
8532	1HEAD PLATE	338,70	299,62	338,70
8533	DECOMP, COVER 1	338,59	299,60	338,59
8534	1HEAD PLATE	346,31	300,00	346,31
8550	1HEAT SOURCE	364,56	300,00	364,56
8701	NOZZLE 1	364,46	299,95	364,46
8702	1DECOMP, CHAMBER	367,67	300,00	367,67
8703	DECOMP, COVER 1	316,93	293,43	316,93
8704	1HEAD PLATE	349,35	300,00	349,35
8705	1TITAN WASHER	353,26	300,00	353,26
8708	1FCV BODY	299,37	299,37	300,00
8730	1HEAD PLATE	352,78	300,00	352,78
8731	1HEAD PLATE	339,20	299,69	339,20
8732	1HEAD PLATE	338,96	299,64	338,96
8733	DECOMP, COVER 1	338,85	299,62	338,85
8734	1HEAD PLATE	346,53	300,00	346,53



8750	1HEAT SOURCE	364,71	300,00	364,71
50116	SShield 1 inf ext fac	294,48	294,43	300,04
50616	SShield 1 inf ext fac	294,35	294,35	300,05
50626	SShield 1 inf ext fac	294,76	294,76	300,10
50636	SShield 1 inf ext fac	294,44	294,40	300,05
52100	SShield 1 b facet 1	299,08	265,28	302,45
52101	SShield 1 b facet 1	296,45	265,40	302,15
52102	SShield 1 b facet 1	269,83	265,32	302,55
52201	SShield 1 b facet 2	265,38	265,24	302,39
52202	SShield 1 b facet 2	265,14	265,14	300,09
52300	SShield 1 b facet 3	264,95	264,95	302,75
52301	SShield 1 b facet 3	265,04	265,04	302,36
52302	SShield 1 b facet 3	264,97	264,97	302,70
52400	SShield 1 b facet 4	264,99	264,99	302,40
52401	SShield 1 b facet 4	264,98	264,98	302,35
52402	SShield 1 b facet 4	264,96	264,96	302,49
52501	SShield 1 b facet 5	265,00	265,00	303,26
52502	SShield 1 b facet 5	265,17	265,17	300,48
52600	SShield 1 b facet 6	267,58	265,23	303,25
52601	SShield 1 b facet 6	294,64	265,27	302,44
52602	SShield 1 b facet 6	298,11	265,21	302,44
62100	SShield 2 b facet 1	297,08	268,12	301,99
62102	SShield 2 b facet 1	269,97	268,11	305,11
62201	SShield 2 b facet 2	268,49	268,49	306,09
62300	SShield 2 b facet 3	267,80	267,80	305,37
62302	SShield 2 b facet 3	267,74	267,74	302,29
62400	SShield 2 b facet 4	267,77	267,77	302,37
62402	SShield 2 b facet 4	267,76	267,76	304,74
62501	SShield 2 b facet 5	268,44	268,44	307,25
62600	SShield 2 b facet 6	267,83	267,83	305,74
62602	SShield 2 b facet 6	297,01	267,98	301,95
72100	SShield 3 b facet 1	282,42	262,10	304,33
72102	SShield 3 b facet 1	261,88	261,25	303,75
72300	SShield 3 b facet 3	256,48	256,48	307,26
72302	SShield 3 b facet 3	257,91	257,91	304,70
72400	SShield 3 b facet 4	254,47	254,47	306,61
72402	SShield 3 b facet 4	259,06	259,06	306,43
72600	SShield 3 b facet 6	257,02	257,02	309,44
72602	SShield 3 b facet 6	279,74	260,04	304,29

APPENDIX 3: PLANCK ORBITAL PHASE TEMPERATURE RESULTS

NODE	LABEL	T(K) Hot case	T(K) Safe case	T(K) Hot case SVM / PLM MLI efficiency (x2)
13	DPU1	290,1	255,6	288,8
14	DPU2	277,4	255,6	276,0
101	DCCU	293,0	257,4	291,6



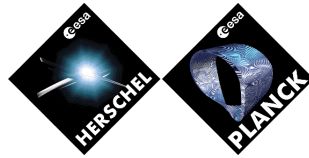
102	REBA1	305,2	246,7	304,2
103	REBA2	279,3	245,6	278,0
104	FOG (GEU)	305,0	259,3	303,7
105	FOG (ICU)	293,2	257,6	291,7
202	4 CAU	277,3	255,6	276,2
203	4K CRU EX 4K PRE-REG	306,4	262,7	305,2
204	CEU	305,7	255,6	304,9
205	REU	301,0	255,6	300,0
211	CCU COMP1	327,8	259,2	327,2
212	CCU COMP2	321,1	259,0	320,4
213	CCU FLANGE1	315,8	259,1	315,2
214	CCU FLANGE2	313,7	259,0	313,0
215	CCU CRADLE	313,7	259,1	313,0
216	CCU SUPPORT	307,7	259,1	307,0
217	CCU BRACKET -X	303,1	259,6	302,4
218	CCU BRACKET +X	298,9	258,7	298,1
219	CCU BRACKET -X I/F	292,9	260,2	292,4
220	CCU BRACKET +X I/F	279,9	257,9	279,2
221	CCU STRAP -Z I/F	308,2	259,1	307,6
222	CCU STRAP +Z I/F	306,5	258,9	305,9
223	CCU SHIELD	302,1	258,8	301,3
224	CCU SHIELD	302,3	261,6	301,3
225	CCU SHIELD	299,4	257,8	298,4
226	CCU SHIELD	297,9	255,3	297,2
227	CCU SHIELD	300,9	257,9	300,0
228	CCU SHIELD	304,7	260,8	303,9
229	CCU SHIELD	304,5	262,0	303,5
230	CCU SHIELD	300,8	259,3	299,8
231	CCU SHIELD	303,2	258,7	302,4
232	CCU SHIELD	303,2	260,6	302,2
311	SCC1 - Outer shell1	271,0	247,8	271,0
312	SCC1 - Outer shell2	271,0	247,8	271,0
313	SCC1 - Outer shell3	271,0	247,8	271,0
314	SCC1 - Outer shell4	271,0	247,8	271,0
315	SCC1 - Outer shell5	271,0	247,8	271,0
316	SCC1 - Outer shell6	271,0	247,8	271,0
331	SCC1 - Inner bed1	273,0	293,0	273,0
332	SCC1 - Inner bed2	273,0	293,0	273,0
333	SCC1 - Inner bed3	273,0	293,0	273,0
334	SCC1 - Inner bed4	273,0	293,0	273,0
335	SCC1 - Inner bed5	273,0	293,0	273,0
336	SCC1 - Inner bed6	273,0	293,0	273,0
401	SCE1	268,5	248,1	268,6
402	SCE2	263,4	248,0	263,4
511	SCC2 - Outer shell1	260,8	248,9	260,8
512	SCC2 - Outer shell2	260,8	248,9	260,8
513	SCC2 - Outer shell3	260,8	248,9	260,8
514	SCC2 - Outer shell4	260,8	248,9	260,8
515	SCC2 - Outer shell5	260,8	248,9	260,8
516	SCC2 - Outer shell6	260,8	248,9	260,8



519	BEU LATERAL -Y	298,3	261,0	296,1
520	BEU CENTRAL	291,4	253,6	289,4
521	BEU LATERAL +Y	292,1	254,2	290,1
522	PAU	302,8	263,6	299,8
525	DAE POWER BOX	301,3	271,8	299,3
531	SCC2 - Inner bed1	273,0	293,0	273,0
532	SCC2 - Inner bed2	273,0	293,0	273,0
533	SCC2 - Inner bed3	273,0	293,0	273,0
534	SCC2 - Inner bed4	273,0	293,0	273,0
535	SCC2 - Inner bed5	273,0	293,0	273,0
536	SCC2 - Inner bed6	273,0	293,0	273,0
551	CRS3	306,3	288,9	304,7
560	BEU BASEPLATE	290,4	253,6	288,4
561	BEU	264,8	235,3	263,4
562	BEU	279,1	245,7	277,4
563	BEU	279,2	245,8	277,5
564	BEU	265,9	236,1	264,4
566	BEU	264,1	234,7	262,7
567	BEU	271,7	240,4	270,2
568	BEU	272,0	240,6	270,4
569	BEU	265,2	235,6	263,7
571	BEU	263,3	234,1	261,9
572	BEU	267,9	237,6	266,4
573	BEU	268,3	237,9	266,7
574	BEU	264,4	235,0	262,9
578	BEU BASEPLATE	281,3	247,2	279,5
580	PAU BASEPLATE	273,0	293,0	273,0
581	PAU RADIATOR	260,4	238,3	258,9
582	PAU RADIATOR	260,5	238,5	259,0
583	PAU RADIATOR	260,9	238,8	259,4
584	PAU RADIATOR	255,4	234,9	254,1
585	PAU RADIATOR	255,6	235,1	254,3
586	PAU RADIATOR	256,1	235,6	254,8
587	PAU RADIATOR	253,0	233,2	251,8
588	PAU RADIATOR	253,2	233,4	252,0
589	PAU RADIATOR	253,7	233,9	252,4
590	PAU RADIATOR	262,0	240,0	260,5
591	PAU RADIATOR	267,2	244,9	265,5
592	PAU RADIATOR	257,2	236,6	255,8
593	PAU RADIATOR	259,2	238,6	257,8
594	PAU RADIATOR	254,5	234,7	253,2
595	PAU RADIATOR	255,6	235,8	254,3
601	XPND_1	296,4	284,4	295,1
602	XPND_2	286,4	273,8	285,3
603	TWTA_1	303,2	291,1	302,0
604	TWTA_2	280,1	266,5	278,9
605	RFDN	291,6	277,0	290,2
606	EPC1	297,6	285,0	296,2
607	EPC2	284,0	270,4	282,8
701	CDMU	294,0	279,8	293,0



702	ACC	287,5	273,2	286,4
703	BATT	290,9	279,8	289,8
704	PCDU	304,0	288,0	302,9
705	CRS1	304,5	289,8	303,2
706	CRS2	308,1	293,8	306,9
801	HP1 Hor, SCC1	264,4	248,4	264,4
802	HP2 Hor, SCC1	265,5	248,5	265,5
803	HP3 Hor, SCC1	265,2	247,8	265,2
804	HP4 Hor, SCC1	265,0	248,1	265,1
805	HP5 Hor, SCC1	263,2	247,4	263,3
806	HP6 Hor, SCC1	263,3	248,1	263,3
807	HP7 Hor, SCC1	263,4	247,7	263,4
808	HP7 Hor, SCC1	263,5	248,3	263,5
811	HP11 Ver, SCC1	268,9	247,8	268,9
812	HP12 Ver, SCC1	268,9	247,8	268,9
813	HP13 Ver, SCC1	268,9	247,8	268,9
814	HP14 Ver, SCC1	268,9	247,8	268,9
815	HP15 Ver, SCC1	268,9	247,8	268,9
816	HP16 Ver, SCC1	268,9	247,8	268,9
817	HP17 Ver, SCC1	268,9	247,8	268,9
818	HP18 Ver, SCC1	268,9	247,8	268,9
819	HP19 Ver, SCC1	268,9	247,8	268,9
820	HP20 Ver, SCC1	268,9	247,8	268,9
821	HP21 Ver, SCC1	268,9	247,8	268,9
822	HP22 Ver, SCC1	268,9	247,8	268,9
823	HP23 Ver, SCC1	268,9	247,8	268,9
824	HP24 Ver, SCC1	268,9	247,8	268,9
825	HP25 Ver, SCC1	268,9	247,8	268,9
851	HP51 Hor, SCC2	261,3	250,1	261,4
852	HP52 Hor, SCC2	261,4	249,0	261,4
853	HP53 Hor, SCC2	261,0	249,4	261,1
854	HP54 Hor, SCC2	260,9	248,5	260,9
855	HP55 Hor, SCC2	260,3	249,2	260,3
856	HP56 Hor, SCC2	260,3	248,5	260,3
857	HP57 Hor, SCC2	260,4	249,4	260,4
858	HP57 Hor, SCC2	260,5	248,7	260,6
861	HP61 Ver, SCC2	260,8	248,9	260,8
862	HP62 Ver, SCC2	260,8	248,9	260,8
863	HP63 Ver, SCC2	260,8	248,9	260,8
864	HP64 Ver, SCC2	260,8	248,9	260,8
865	HP65 Ver, SCC2	260,8	248,9	260,8
866	HP66 Ver, SCC2	260,8	248,9	260,8
867	HP67 Ver, SCC2	260,8	248,9	260,8
868	HP68 Ver, SCC2	260,8	248,9	260,8
869	HP69 Ver, SCC2	260,8	248,9	260,8
870	HP70 Ver, SCC2	260,8	248,9	260,8
871	HP71 Ver, SCC2	260,8	248,9	260,8
872	HP72 Ver, SCC2	260,8	248,9	260,8
873	HP73 Ver, SCC2	260,8	248,9	260,8
874	HP74 Ver, SCC2	260,8	248,9	260,8



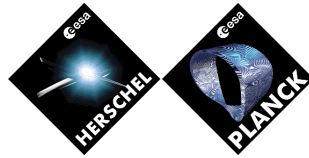
875	HP75 Ver, SCC2	260,8	248,9	260,8
900	Helium Tank +Z	290,8	262,4	289,3
905	Helium Tank +Y	293,5	261,3	292,1
910	Helium Tank -Z	292,2	269,3	290,3
915	Helium Tank -Y	293,8	278,2	292,3
920	Prop, Tank +Y+Z Lower	297,5	285,6	295,8
925	Prop, Tank -Z Lower	297,1	285,6	295,3
930	Prop, Tank -Y+Z Lower	297,2	285,6	295,5
1001	MLI SVM Bot +Z	262,2	250,0	277,5
1002	MLI SVM Bot +Z+Y	263,5	247,4	278,5
1003	MLI SVM Bot +Y	264,0	247,8	279,1
1004	MLI SVM Bot -Z-Y	263,4	248,8	278,0
1005	MLI SVM Bot -Z	262,6	249,7	277,4
1006	MLI SVM Bot -Z-Y	262,7	250,9	277,4
1007	MLI SVM Bot -Y	262,6	253,9	277,7
1008	MLI SVM Bot +Z-Y	262,9	254,2	277,9
1101	NOZZLE	427,2	482,7	426,9
1102	DECOMP, CHAMBER	415,4	487,9	415,1
1103	INSULATION	402,8	441,4	402,5
1104	HEAD PLATE	404,4	464,0	404,1
1105	HEAT BARRIER 1	398,6	452,0	398,3
1106	HEAT BARRIER 2	378,3	419,9	377,9
1107	HEAT BARRIER 3	359,0	388,1	358,5
1108	HEAT BARR FLANG	341,2	358,8	340,5
1109	FCV FLANGE I/F	309,6	302,4	308,7
1110	ADJUSTMENT RING	309,6	302,2	308,7
1111	TURNING DISC	303,0	289,8	302,0
1121	NOZZLE	426,6	421,3	426,3
1122	DECOMP, CHAMBER	415,5	410,5	415,2
1123	INSULATION	408,9	408,8	408,7
1124	HEAD PLATE	404,4	399,2	404,1
1125	HEAT BARRIER 1	398,4	392,6	398,1
1126	HEAT BARRIER 2	378,1	370,8	377,6
1127	HEAT BARRIER 3	358,7	349,6	358,2
1128	HEAT BARR FLANG	340,8	330,1	340,1
1129	FCV FLANGE I/F	309,3	296,5	308,4
1130	ADJUSTMENT RING	309,2	296,8	308,2
1131	TURNING DISC	302,9	289,0	302,0
1132	SUPPORT BRACKET	297,5	281,2	296,5
1133	FCV BODY MAIN	309,6	302,4	308,7
1134	FCV BODY REDUNDANT	309,2	296,5	308,3
1145	THRUSTER BRACKET	301,8	287,6	300,8
1146	EXT MLI BRACKET	354,4	348,8	354,1
1201	NOZZLE	424,8	481,2	424,5
1202	DECOMP, CHAMBER	413,3	486,3	413,0
1203	INSULATION	402,3	443,0	402,1
1204	HEAD PLATE	402,0	461,3	401,5
1205	HEAT BARRIER 1	395,9	448,7	395,4
1206	HEAT BARRIER 2	375,8	416,4	375,2
1207	HEAT BARRIER 3	356,8	384,3	356,0



1208	HEAT BARR FLANG	339,8	355,2	338,8
1209	FCV FLANGE I/F	310,0	299,7	308,7
1210	ADJUSTMENT RING	309,9	299,3	308,6
1211	TURNING DISC	304,0	288,1	302,7
1221	NOZZLE	425,5	418,2	425,2
1222	DECOMP, CHAMBER	414,4	406,8	414,1
1223	INSULATION	406,3	405,1	406,0
1224	HEAD PLATE	403,4	395,2	403,0
1225	HEAT BARRIER 1	397,5	388,3	397,0
1226	HEAT BARRIER 2	377,3	366,7	376,7
1227	HEAT BARRIER 3	358,1	345,7	357,3
1228	HEAT BARR FLANG	341,0	326,4	340,0
1229	FCV FLANGE I/F	310,8	293,6	309,6
1230	ADJUSTMENT RING	310,8	293,6	309,6
1231	TURNING DISC	304,2	287,3	302,9
1232	SUPPORT BRACKET	298,8	280,4	297,4
1233	FCV BODY MAIN	309,9	299,7	308,7
1234	FCV BODY REDUNDANT	310,8	293,6	309,5
1245	THRUSTER BRACKET	303,0	286,1	301,6
1246	EXT MLI BRACKET	353,4	351,0	353,0
1301	NOZZLE	401,2	467,2	401,0
1302	DECOMP, CHAMBER	395,1	475,4	394,9
1303	INSULATION	412,4	436,3	412,2
1304	HEAD PLATE	384,5	452,0	384,2
1305	HEAT BARRIER 1	378,0	439,7	377,7
1306	HEAT BARRIER 2	362,0	411,1	361,6
1307	HEAT BARRIER 3	347,3	383,1	346,7
1308	HEAT BARR FLANG	332,9	356,6	332,2
1309	FCV FLANGE I/F	308,4	306,1	307,6
1310	ADJUSTMENT RING	308,4	305,8	307,6
1311	TURNING DISC	303,9	296,6	303,0
1321	NOZZLE	407,2	408,6	407,0
1322	DECOMP, CHAMBER	400,4	402,0	400,1
1323	INSULATION	419,8	416,6	419,6
1324	HEAD PLATE	389,3	391,4	389,0
1325	HEAT BARRIER 1	382,5	385,0	382,2
1326	HEAT BARRIER 2	366,3	367,3	365,9
1327	HEAT BARRIER 3	351,3	350,7	350,7
1328	HEAT BARR FLANG	336,9	334,0	336,3
1329	FCV FLANGE I/F	312,3	305,2	311,4
1330	ADJUSTMENT RING	311,8	304,8	310,9
1331	TURNING DISC	304,5	296,4	303,5
1332	SUPPORT BRACKET	299,1	289,3	298,2
1333	FCV BODY MAIN	308,4	306,1	307,5
1334	FCV BODY REDUNDANT	312,1	305,1	311,3
1345	THRUSTER BRACKET	303,1	294,9	302,2
1346	EXT MLI BRACKET	354,6	348,2	354,3
1401	NOZZLE	420,8	475,8	420,6
1402	DECOMP, CHAMBER	413,4	482,5	413,2
1403	INSULATION	433,4	450,2	433,2



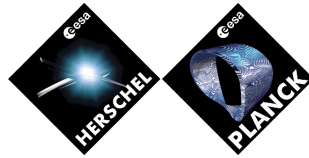
1404	HEAD PLATE	402,4	458,2	402,1
1405	HEAT BARRIER 1	395,2	445,4	394,9
1406	HEAT BARRIER 2	376,6	414,0	376,2
1407	HEAT BARRIER 3	359,2	382,8	358,6
1408	HEAT BARR FLANG	342,3	352,7	341,7
1409	FCV FLANGE I/F	312,6	295,3	311,7
1410	ADJUSTMENT RING	312,6	295,1	311,8
1411	TURNING DISC	306,6	283,6	305,7
1421	NOZZLE	410,3	407,5	410,0
1422	DECOMP, CHAMBER	404,2	399,2	403,9
1423	INSULATION	421,9	413,2	421,8
1424	HEAD PLATE	393,6	388,0	393,3
1425	HEAT BARRIER 1	387,1	381,1	386,7
1426	HEAT BARRIER 2	370,5	361,8	370,0
1427	HEAT BARRIER 3	355,2	343,3	354,6
1428	HEAT BARR FLANG	340,5	324,4	339,8
1429	FCV FLANGE I/F	314,9	292,7	314,0
1430	ADJUSTMENT RING	314,4	292,2	313,6
1431	TURNING DISC	306,9	283,1	305,9
1432	SUPPORT BRACKET	300,9	274,8	299,9
1433	FCV BODY MAIN	312,5	295,3	311,7
1434	FCV BODY REDUNDANT	314,7	292,5	313,9
1445	THRUSTER BRACKET	305,5	281,5	304,6
1446	EXT MLI BRACKET	362,7	355,3	362,4
1501	NOZZLE	382,9	450,7	382,8
1502	DECOMP, CHAMBER	399,4	476,7	399,3
1503	INSULATION	314,5	364,8	314,5
1504	HEAD PLATE	381,0	446,4	380,8
1505	HEAT BARRIER 1	372,6	431,9	372,4
1506	HEAT BARRIER 2	355,1	400,7	354,9
1507	HEAT BARRIER 3	338,6	369,3	338,3
1508	HEAT BARR FLANG	325,4	342,7	324,9
1509	FCV FLANGE I/F	303,5	294,1	302,9
1510	ADJUSTMENT RING	302,7	291,9	302,1
1511	TURNING DISC	298,6	276,0	297,9
1521	NOZZLE	380,8	377,3	380,7
1522	DECOMP, CHAMBER	397,1	393,3	397,1
1523	INSULATION	313,0	309,8	313,1
1524	HEAD PLATE	378,3	374,0	378,3
1525	HEAT BARRIER 1	369,8	365,0	369,7
1526	HEAT BARRIER 2	352,2	345,1	352,0
1527	HEAT BARRIER 3	335,5	325,7	335,2
1528	HEAT BARR FLANG	322,7	310,0	322,3
1529	FCV FLANGE I/F	301,7	285,0	301,2
1530	ADJUSTMENT RING	300,9	283,5	300,3
1531	TURNING DISC	298,3	274,8	297,6
1532	SUPPORT BRACKET	296,8	266,9	296,0
1533	FCV BODY MAIN	303,4	294,0	302,8
1534	FCV BODY REDUNDANT	301,7	285,6	301,2
1545	THRUSTER BRACKET	297,9	273,2	297,1



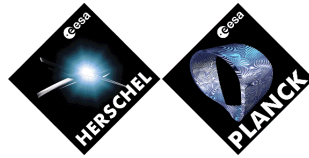
1546	EXT MLI BRACKET	173,3	176,6	176,6
1601	SVM Bot +Z	292,9	270,4	291,7
1602	SVM Bot +Z	293,9	275,9	292,9
1603	SVM Bot +Z	290,7	266,1	289,6
1604	SVM Bot +Z	283,8	259,3	282,8
1605	SVM Bot +Z	291,1	264,7	289,9
1606	SVM Bot +Z	284,3	256,5	283,3
1607	SVM Bot +Z	293,1	265,2	291,9
1608	SVM Bot +Z	297,0	269,2	296,0
1611	SVM Bot +Z+Y	297,6	264,4	296,4
1612	SVM Bot +Z+Y	296,9	257,4	295,8
1613	SVM Bot +Z+Y	295,1	261,7	293,9
1614	SVM Bot +Z+Y	293,9	258,0	292,6
1615	SVM Bot +Z+Y	294,7	262,0	293,5
1616	SVM Bot +Z+Y	293,2	258,3	291,9
1617	SVM Bot +Z+Y	296,4	264,9	295,1
1618	SVM Bot +Z+Y	293,5	259,1	292,3
1621	SVM Bot +Y	297,5	265,1	296,5
1622	SVM Bot +Y	294,9	259,7	294,0
1623	SVM Bot +Y	294,9	262,9	294,5
1624	SVM Bot +Y	289,5	255,0	289,3
1625	SVM Bot +Y	295,1	263,2	294,7
1626	SVM Bot +Y	290,7	258,3	290,6
1627	SVM Bot +Y	297,0	263,8	296,0
1628	SVM Bot +Y	296,7	265,1	295,8
1631	SVM Bot -Z-Y	297,2	269,3	295,8
1632	SVM Bot -Z-Y	293,7	264,6	292,5
1633	SVM Bot -Z-Y	295,1	268,6	293,6
1634	SVM Bot -Z-Y	289,7	263,8	288,5
1635	SVM Bot -Z-Y	294,1	268,0	292,5
1636	SVM Bot -Z-Y	289,0	264,1	287,8
1637	SVM Bot -Z-Y	295,7	271,1	294,2
1638	SVM Bot -Z-Y	291,1	266,9	289,8
1641	SVM Bot -Z	294,8	272,2	293,2
1642	SVM Bot -Z	295,3	275,6	293,9
1643	SVM Bot -Z	292,6	269,9	291,0
1644	SVM Bot -Z	288,7	266,5	287,3
1645	SVM Bot -Z	292,4	269,8	290,8
1646	SVM Bot -Z	288,9	266,5	287,3
1647	SVM Bot -Z	293,2	270,7	291,6
1648	SVM Bot -Z	289,9	267,9	288,3
1651	SVM Bot -Z-Y	295,5	274,2	293,9
1652	SVM Bot -Z-Y	290,4	269,3	288,9
1653	SVM Bot -Z-Y	294,0	272,9	292,4
1654	SVM Bot -Z-Y	288,3	268,3	287,0
1655	SVM Bot -Z-Y	294,2	273,4	292,5
1656	SVM Bot -Z-Y	288,3	268,8	287,0
1657	SVM Bot -Z-Y	296,2	276,5	294,6
1658	SVM Bot -Z-Y	291,1	272,6	289,8
1661	SVM Bot -Y	294,7	278,2	293,4



1662	SVM Bot -Y	291,8	277,8	290,5
1663	SVM Bot -Y	292,7	276,8	291,4
1664	SVM Bot -Y	289,3	274,3	288,1
1665	SVM Bot -Y	292,6	277,0	291,3
1666	SVM Bot -Y	288,9	274,7	287,8
1667	SVM Bot -Y	294,0	278,5	292,9
1668	SVM Bot -Y	295,8	284,7	294,8
1671	SVM Bot +Z-Y	296,8	281,1	295,7
1672	SVM Bot +Z-Y	292,6	278,4	291,6
1673	SVM Bot +Z-Y	294,3	277,8	293,2
1674	SVM Bot +Z-Y	291,4	276,2	290,3
1675	SVM Bot +Z-Y	293,3	276,9	292,3
1676	SVM Bot +Z-Y	291,1	275,6	290,2
1677	SVM Bot +Z-Y	295,1	277,5	294,1
1678	SVM Bot +Z-Y	292,5	276,3	291,6
1701	NOZZLE	380,0	451,6	379,9
1702	DECOMP, CHAMBER	396,3	478,0	396,2
1703	INSULATION	312,3	364,9	312,3
1704	HEAD PLATE	377,4	447,9	377,2
1705	HEAT BARRIER 1	368,7	433,7	368,5
1706	HEAT BARRIER 2	350,5	403,7	350,3
1707	HEAT BARRIER 3	333,1	374,0	332,7
1708	HEAT BARR FLANG	319,6	349,3	319,0
1709	FCV FLANGE I/F	297,5	303,6	296,7
1710	ADJUSTMENT RING	296,7	301,4	295,8
1711	TURNING DISC	293,7	286,8	292,7
1721	NOZZLE	379,7	379,1	379,6
1722	DECOMP, CHAMBER	396,1	395,2	396,0
1723	INSULATION	311,8	311,7	311,8
1724	HEAD PLATE	377,2	376,2	377,0
1725	HEAT BARRIER 1	368,5	367,3	368,4
1726	HEAT BARRIER 2	350,7	348,4	350,4
1727	HEAT BARRIER 3	333,7	330,0	333,2
1728	HEAT BARR FLANG	320,5	315,3	319,9
1729	FCV FLANGE I/F	299,2	291,8	298,3
1730	ADJUSTMENT RING	298,1	290,7	297,3
1731	TURNING DISC	294,0	285,1	292,9
1732	SUPPORT BRACKET	292,0	279,2	290,8
1733	FCV BODY MAIN	297,5	303,5	296,7
1734	FCV BODY REDUNDANT	299,2	291,8	298,3
1745	THRUSTER BRACKET	293,2	284,1	292,1
1746	EXT MLI BRACKET	176,0	177,4	179,0
1801	RCS Piping	295,9	298,4	296,0
1802	RCS Piping	297,1	293,2	295,4
1803	RCS Piping	296,0	295,1	294,5
1804	RCS Piping	296,9	296,8	297,0
1805	RCS Piping	297,6	296,5	296,2
1806	RCS Piping	296,8	295,0	295,3
1807	RCS Piping	296,8	295,2	295,2
1808	RCS Piping	296,1	294,8	294,4



1809	RCS Piping	295,5	293,6	293,8
1810	RCS Piping	296,1	295,0	294,8
1811	RCS Piping	298,3	297,1	297,2
1812	RCS Piping	295,5	294,2	294,1
1813	RCS Piping	295,2	293,6	293,7
1814	RCS Piping	293,8	293,6	293,7
1815	RCS Piping	294,4	294,9	294,3
1816	RCS Piping	295,0	296,6	295,0
1817	RCS Piping	296,4	298,0	296,5
1818	RCS Piping	293,1	299,3	293,2
1819	RCS Piping	297,0	303,3	297,3
1821	RCS Piping	305,2	296,9	305,2
1822	RCS Piping	301,3	298,2	301,2
1831	RCS Piping	294,1	295,5	294,3
1841	RCS Piping	294,0	294,0	292,5
1842	RCS Piping	292,0	292,9	290,6
1850	PT	294,4	298,3	294,5
1851	LV1	295,8	304,0	295,8
1852	LV2	295,8	303,6	295,9
1853	LF	296,1	312,0	296,6
1854	RCS Piping	294,7	295,4	294,8
1855	RCS Piping	296,5	298,1	296,5
1856	RCS Piping	294,3	297,5	294,4
1857	RCS Piping	293,7	293,6	293,6
1858	RCS Piping	295,8	303,3	295,8
1859	RCS Piping	296,1	300,8	296,1
1860	RCS Piping	295,8	298,4	296,0
1861	RCS Piping	296,8	296,7	297,0
1862	RCS Piping	297,6	302,6	297,4
1863	RCS Piping	297,0	293,1	295,3
1864	RCS Piping	295,9	295,1	294,5
1865	RCS Piping	300,8	295,1	300,6
1866	RCS Piping	296,0	295,0	294,7
1867	RCS Piping	295,9	295,1	294,5
1868	RCS Piping	296,8	294,8	295,2
1869	RCS Piping	297,6	296,4	296,1
1871	RCS Piping	298,4	296,2	298,2
1872	RCS Piping	293,7	293,6	293,7
1873	RCS Piping	297,6	296,1	297,4
1874	RCS Piping	298,0	296,1	297,8
1881	RCS Piping	297,4	295,8	297,4
1882	RCS Piping	293,6	293,6	293,7
1883	RCS Piping	292,9	295,0	293,0
1891	RCS Piping	295,0	297,4	294,9
2001	Launcher Adapter Ring	324,2	301,5	323,7
2002	Launcher Adapter Ring	322,7	298,0	322,2
2003	Launcher Adapter Ring	322,2	296,4	321,7
2004	Launcher Adapter Ring	322,4	296,5	321,9
2005	Launcher Adapter Ring	322,2	297,2	321,6
2006	Launcher Adapter Ring	323,0	298,1	322,5



2007	Launcher Adapter Ring	322,3	298,8	321,8
2008	Launcher Adapter Ring	321,9	299,1	321,4
2011	Launcher Adapter Edge	324,1	301,1	323,6
2012	Launcher Adapter Edge	322,3	297,4	321,9
2013	Launcher Adapter Edge	322,0	296,0	321,5
2014	Launcher Adapter Edge	322,1	295,9	321,5
2015	Launcher Adapter Edge	322,0	296,8	321,4
2016	Launcher Adapter Edge	322,7	297,5	322,2
2017	Launcher Adapter Edge	322,1	298,4	321,6
2018	Launcher Adapter Edge	321,6	298,4	321,1
2021	Launcher Adapter Ring	323,1	300,5	322,5
2022	Launcher Adapter Ring	320,5	295,6	319,9
2023	Launcher Adapter Ring	320,8	295,1	320,3
2024	Launcher Adapter Ring	320,2	294,6	319,6
2025	Launcher Adapter Ring	320,7	296,2	320,0
2026	Launcher Adapter Ring	320,8	296,4	320,2
2027	Launcher Adapter Ring	320,8	298,0	320,2
2028	Launcher Adapter Ring	319,7	297,4	319,2
2101	Launcher Adapter Ring	324,0	301,2	323,5
2102	Launcher Adapter Ring	322,3	297,6	321,9
2103	Launcher Adapter Ring	322,0	296,2	321,5
2104	Launcher Adapter Ring	322,1	296,2	321,5
2105	Launcher Adapter Ring	322,0	297,0	321,4
2106	Launcher Adapter Ring	322,7	297,8	322,2
2107	Launcher Adapter Ring	322,1	298,6	321,6
2108	Launcher Adapter Ring	321,6	298,7	321,1
2111	Launcher Adapter Edge	324,0	301,1	323,5
2112	Launcher Adapter Edge	322,3	297,5	321,8
2113	Launcher Adapter Edge	322,0	296,1	321,5
2114	Launcher Adapter Edge	322,0	296,0	321,5
2115	Launcher Adapter Edge	321,9	296,9	321,4
2116	Launcher Adapter Edge	322,7	297,6	322,1
2117	Launcher Adapter Edge	322,1	298,5	321,5
2118	Launcher Adapter Edge	321,6	298,5	321,1
2121	Launcher Adapter Ring	323,1	300,6	322,5
2122	Launcher Adapter Ring	320,5	295,6	319,9
2123	Launcher Adapter Ring	320,9	295,1	320,3
2124	Launcher Adapter Ring	320,2	294,6	319,6
2125	Launcher Adapter Ring	320,7	296,2	320,0
2126	Launcher Adapter Ring	320,8	296,4	320,2
2127	Launcher Adapter Ring	320,8	298,0	320,2
2128	Launcher Adapter Ring	319,7	297,4	319,2
2251	MLI Launcher Adapter Rin	252,8	243,8	271,8
2252	MLI Launcher Adapter Rin	249,3	239,2	268,0
2253	MLI Launcher Adapter Rin	253,6	242,0	272,4
2254	MLI Launcher Adapter Rin	250,2	239,3	268,4
2255	MLI Launcher Adapter Rin	252,2	241,8	270,8
2256	MLI Launcher Adapter Rin	250,6	240,4	269,0
2257	MLI Launcher Adapter Rin	253,3	245,2	272,1
2258	MLI Launcher Adapter Rin	249,3	242,2	267,9



2501	SVM Cone +Z+Y	294,5	268,4	292,7
2502	SVM Cone +Y	295,2	265,5	293,3
2503	SVM Cone +Y-Z	295,3	266,7	293,5
2504	SVM Cone -Z	295,4	268,7	293,5
2505	SVM Cone -Z-Y	293,8	268,4	291,8
2506	SVM Cone -Y	295,5	271,2	293,4
2507	SVM Cone -Z+Y	295,3	275,1	293,4
2508	SVM Cone +Z	295,0	274,8	293,2
2511	SVM Cone +Z+Y	294,4	268,6	292,7
2512	SVM Cone +Y	295,5	265,9	293,8
2513	SVM Cone +Y-Z	296,1	267,0	294,4
2514	SVM Cone -Z	295,8	269,4	293,9
2515	SVM Cone -Z-Y	294,4	269,7	292,4
2516	SVM Cone -Y	296,2	272,7	294,2
2517	SVM Cone -Z+Y	295,9	275,9	294,2
2518	SVM Cone +Z	295,2	275,5	293,6
2521	SVM Cone +Z+Y	294,7	269,0	293,1
2522	SVM Cone +Y	296,1	266,0	294,5
2523	SVM Cone +Y-Z	296,8	267,4	295,2
2524	SVM Cone -Z	296,2	270,1	294,4
2525	SVM Cone -Z-Y	295,0	271,5	293,2
2526	SVM Cone -Y	296,5	273,6	294,6
2527	SVM Cone -Z+Y	295,9	276,3	294,2
2528	SVM Cone +Z	295,5	276,1	294,0
2531	SVM Cone +Z+Y	295,7	271,0	294,2
2532	SVM Cone +Y	296,8	267,2	295,3
2533	SVM Cone +Y-Z	297,6	268,7	296,2
2534	SVM Cone -Z	296,9	271,6	295,2
2535	SVM Cone -Z-Y	295,9	273,2	294,2
2536	SVM Cone -Y	297,1	275,1	295,3
2537	SVM Cone -Z+Y	296,0	277,0	294,4
2538	SVM Cone +Z	296,1	276,9	294,6
2541	SVM Cone +Z+Y	305,1	282,6	303,9
2542	SVM Cone +Y	299,2	270,5	297,9
2543	SVM Cone +Y-Z	300,6	272,1	299,4
2544	SVM Cone -Z	299,2	273,9	297,6
2545	SVM Cone -Z-Y	299,2	276,2	297,6
2546	SVM Cone -Y	299,7	277,7	298,1
2547	SVM Cone -Z+Y	299,0	279,7	297,6
2548	SVM Cone +Z	298,3	279,0	297,0
2601	SVM Cone +Z+Y	294,4	268,4	292,6
2602	SVM Cone +Y	295,2	265,5	293,3
2603	SVM Cone +Y-Z	295,3	266,6	293,5
2604	SVM Cone -Z	295,4	268,7	293,4
2605	SVM Cone -Z-Y	293,8	268,4	291,8
2606	SVM Cone -Y	295,5	271,2	293,4
2607	SVM Cone -Z+Y	295,3	275,1	293,4
2608	SVM Cone +Z	295,0	274,8	293,2
2611	SVM Cone +Z+Y	294,3	268,6	292,6
2612	SVM Cone +Y	295,5	265,7	293,7



2613	SVM Cone +Y-Z	296,1	266,9	294,4
2614	SVM Cone -Z	295,7	269,4	293,9
2615	SVM Cone -Z-Y	294,3	269,7	292,4
2616	SVM Cone -Y	296,1	272,7	294,2
2617	SVM Cone -Z+Y	295,9	276,0	294,1
2618	SVM Cone +Z	295,1	275,5	293,5
2621	SVM Cone +Z+Y	294,6	268,9	293,0
2622	SVM Cone +Y	296,1	265,8	294,5
2623	SVM Cone +Y-Z	296,7	267,3	295,2
2624	SVM Cone -Z	296,2	270,0	294,3
2625	SVM Cone -Z-Y	295,0	271,4	293,1
2626	SVM Cone -Y	296,4	273,6	294,5
2627	SVM Cone -Z+Y	295,8	276,3	294,2
2628	SVM Cone +Z	295,4	276,2	293,9
2631	SVM Cone +Z+Y	295,6	270,9	294,1
2632	SVM Cone +Y	296,8	267,1	295,2
2633	SVM Cone +Y-Z	297,6	268,6	296,1
2634	SVM Cone -Z	296,8	271,5	295,1
2635	SVM Cone -Z-Y	295,8	273,2	294,1
2636	SVM Cone -Y	297,0	275,0	295,2
2637	SVM Cone -Z+Y	295,9	277,0	294,3
2638	SVM Cone +Z	296,0	276,9	294,6
2641	SVM Cone +Z+Y	304,8	282,3	303,6
2642	SVM Cone +Y	299,2	270,4	297,8
2643	SVM Cone +Y-Z	300,6	272,0	299,3
2644	SVM Cone -Z	299,1	273,8	297,5
2645	SVM Cone -Z-Y	299,1	276,2	297,5
2646	SVM Cone -Y	299,6	277,7	298,0
2647	SVM Cone -Z+Y	298,9	279,7	297,5
2648	SVM Cone +Z	298,2	279,0	296,9
3001	MLI Rad +Z	290,6	261,4	289,5
3002	MLI Rad +Z	282,3	254,3	281,2
3003	MLI Rad +Z	280,5	253,2	279,5
3004	MLI Rad +Z	278,7	251,6	277,7
3005	MLI Rad +Z	280,7	252,4	279,7
3006	MLI Rad +Z	281,6	255,5	280,6
3007	MLI Rad +Z	283,9	257,9	282,9
3008	MLI Rad +Z	290,0	266,5	288,9
3009	MLI Rad +Z	285,3	255,3	284,1
3010	MLI Rad +Z	268,7	244,1	267,8
3011	MLI Rad +Z	273,0	293,0	273,0
3012	MLI Rad +Z	271,3	245,3	270,4
3013	MLI Rad +Z	279,1	245,5	278,2
3014	MLI Rad +Z	273,0	293,0	273,0
3015	MLI Rad +Z	276,0	246,6	275,1
3016	MLI Rad +Z	285,4	260,2	284,3
3017	MLI Rad +Z	288,2	256,0	286,9
3018	MLI Rad +Z	284,1	254,0	282,9
3019	MLI Rad +Z	283,6	253,4	282,3
3020	MLI Rad +Z	280,3	252,0	279,1



3021	MLI Rad +Z	279,9	252,7	278,8
3022	MLI Rad +Z	279,2	254,7	278,0
3023	MLI Rad +Z	281,3	256,3	280,1
3024	MLI Rad +Z	284,4	260,9	283,2
3025	MLI Rad +Z	289,0	256,6	287,7
3026	MLI Rad +Z	288,2	257,6	286,9
3027	MLI Rad +Z	287,7	254,9	286,5
3028	MLI Rad +Z	284,2	254,3	282,9
3029	MLI Rad +Z	278,2	255,9	276,9
3030	MLI Rad +Z	276,9	255,0	275,6
3031	MLI Rad +Z	277,7	255,7	276,4
3032	MLI Rad +Z	282,4	260,3	281,0
3033	MLI Rad +Z	287,5	255,1	286,1
3034	MLI Rad +Z	280,0	249,6	278,8
3035	MLI Rad +Z	279,5	249,3	278,4
3036	MLI Rad +Z	274,7	248,3	273,6
3037	MLI Rad +Z	268,0	247,7	266,8
3038	MLI Rad +Z	268,9	249,2	267,7
3039	MLI Rad +Z	269,5	250,0	268,3
3040	MLI Rad +Z	280,2	258,7	278,8
3041	MLI Rad +Z	288,1	255,7	286,6
3042	MLI Rad +Z	288,3	255,0	287,0
3043	MLI Rad +Z	288,0	255,7	286,7
3044	MLI Rad +Z	284,7	262,4	283,4
3045	MLI Rad +Z	278,4	256,3	277,0
3046	MLI Rad +Z	276,8	255,3	275,4
3047	MLI Rad +Z	277,3	256,9	275,9
3048	MLI Rad +Z	281,2	259,8	279,8
3101	OSR Rad +Y+Z	293,7	258,6	292,7
3102	OSR Rad +Y+Z	293,7	258,9	292,5
3103	OSR Rad +Y+Z	294,6	259,7	293,2
3104	OSR Rad +Y+Z	292,9	257,5	291,5
3105	OSR Rad +Y+Z	292,7	257,2	291,3
3106	OSR Rad +Y+Z	292,7	257,2	291,3
3107	OSR Rad +Y+Z	292,8	257,2	291,4
3108	OSR Rad +Y+Z	294,2	258,3	292,9
3109	OSR Rad +Y+Z	295,6	252,3	294,5
3110	OSR Rad +Y+Z	295,9	252,3	294,8
3111	OSR Rad +Y+Z	294,6	257,2	293,5
3112	OSR Rad +Y+Z	293,9	259,1	292,7
3113	OSR Rad +Y+Z	292,2	257,3	291,1
3114	OSR Rad +Y+Z	292,8	258,1	291,6
3115	OSR Rad +Y+Z	292,9	257,5	291,5
3116	OSR Rad +Y+Z	292,8	257,2	291,4
3117	OSR Rad +Y+Z	292,8	257,2	291,3
3118	OSR Rad +Y+Z	292,7	257,1	291,3
3119	OSR Rad +Y+Z	292,0	256,6	290,6
3120	OSR Rad +Y+Z	282,5	249,4	281,4
3121	OSR Rad +Y+Z	291,2	242,3	290,4
3122	OSR Rad +Y+Z	292,1	242,5	291,3



3123	OSR Rad +Y+Z	294,8	253,8	293,7
3124	OSR Rad +Y+Z	296,1	255,6	295,0
3125	OSR Rad +Y+Z	286,5	254,2	285,4
3126	OSR Rad +Y+Z	290,8	256,7	289,6
3127	OSR Rad +Y+Z	292,6	257,2	291,2
3128	OSR Rad +Y+Z	292,8	257,2	291,3
3129	OSR Rad +Y+Z	292,8	257,2	291,3
3130	OSR Rad +Y+Z	292,7	257,1	291,3
3131	OSR Rad +Y+Z	291,8	256,5	290,4
3132	OSR Rad +Y+Z	281,1	248,6	279,9
3133	OSR Rad +Y+Z	287,0	241,6	286,1
3134	OSR Rad +Y+Z	288,2	241,1	287,3
3135	OSR Rad +Y+Z	294,1	252,2	293,0
3136	OSR Rad +Y+Z	295,2	255,1	294,0
3137	OSR Rad +Y+Z	268,7	244,0	267,8
3138	OSR Rad +Y+Z	287,1	254,3	285,8
3139	OSR Rad +Y+Z	292,3	257,0	290,9
3140	OSR Rad +Y+Z	292,7	257,2	291,3
3141	OSR Rad +Y+Z	292,7	257,2	291,3
3142	OSR Rad +Y+Z	292,7	257,1	291,2
3143	OSR Rad +Y+Z	291,6	256,4	290,2
3144	OSR Rad +Y+Z	279,5	248,4	278,3
3145	OSR Rad +Y+Z	271,6	240,9	270,5
3146	OSR Rad +Y+Z	272,7	240,3	271,6
3147	OSR Rad +Y+Z	294,0	250,7	292,7
3148	OSR Rad +Y+Z	291,7	254,9	290,4
3149	OSR Rad +Y+Z	267,9	242,3	266,9
3150	OSR Rad +Y+Z	286,5	253,8	285,1
3151	OSR Rad +Y+Z	292,1	256,9	290,7
3152	OSR Rad +Y+Z	292,6	257,2	291,2
3153	OSR Rad +Y+Z	292,7	257,2	291,2
3154	OSR Rad +Y+Z	292,6	257,1	291,1
3155	OSR Rad +Y+Z	291,5	256,4	290,1
3156	OSR Rad +Y+Z	279,7	248,7	278,4
3157	OSR Rad +Y+Z	271,5	241,2	270,3
3158	OSR Rad +Y+Z	272,0	241,3	270,8
3159	OSR Rad +Y+Z	286,6	251,6	285,2
3160	OSR Rad +Y+Z	288,9	254,8	287,5
3161	OSR Rad +Y+Z	284,4	257,3	283,1
3162	OSR Rad +Y+Z	289,1	256,8	287,7
3163	OSR Rad +Y+Z	291,2	257,2	289,7
3164	OSR Rad +Y+Z	291,8	257,3	290,2
3165	OSR Rad +Y+Z	291,8	257,2	290,2
3166	OSR Rad +Y+Z	291,5	256,9	289,9
3167	OSR Rad +Y+Z	290,3	256,0	288,7
3168	OSR Rad +Y+Z	286,6	253,3	285,1
3169	OSR Rad +Y+Z	282,7	249,9	281,2
3170	OSR Rad +Y+Z	282,8	249,9	281,2
3171	OSR Rad +Y+Z	286,7	253,6	285,1
3172	OSR Rad +Y+Z	288,1	255,3	286,5



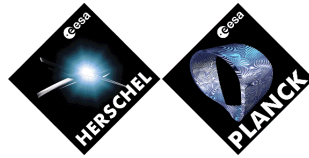
3201	OSR Rad +Y	293,4	260,7	292,7
3202	OSR Rad +Y	287,6	253,6	287,1
3203	OSR Rad +Y	287,6	253,6	287,1
3204	OSR Rad +Y	272,0	242,3	271,6
3205	OSR Rad +Y	273,5	242,2	273,0
3206	OSR Rad +Y	281,3	246,1	280,8
3207	OSR Rad +Y	287,7	251,7	287,0
3208	OSR Rad +Y	295,5	260,8	294,6
3209	OSR Rad +Y	279,8	249,0	279,2
3210	OSR Rad +Y	287,7	253,6	287,2
3211	OSR Rad +Y	287,6	253,6	287,2
3212	OSR Rad +Y	271,2	241,1	270,7
3213	OSR Rad +Y	273,3	241,4	272,7
3214	OSR Rad +Y	289,7	248,1	289,1
3215	OSR Rad +Y	293,6	252,4	292,9
3216	OSR Rad +Y	292,2	256,7	291,3
3217	OSR Rad +Y	266,4	244,2	265,6
3218	OSR Rad +Y	269,3	251,2	268,7
3219	OSR Rad +Y	269,6	250,9	269,0
3220	OSR Rad +Y	264,5	239,0	263,8
3221	OSR Rad +Y	275,4	243,4	274,7
3222	OSR Rad +Y	287,8	247,6	287,1
3223	OSR Rad +Y	289,8	249,5	289,1
3224	OSR Rad +Y	279,3	253,2	278,5
3225	OSR Rad +Y	267,4	252,1	266,5
3226	OSR Rad +Y	267,1	248,6	266,1
3227	OSR Rad +Y	266,6	249,9	265,7
3228	OSR Rad +Y	262,6	240,2	261,8
3229	OSR Rad +Y	280,1	253,2	279,3
3230	OSR Rad +Y	287,8	249,3	287,0
3231	OSR Rad +Y	287,6	250,8	286,8
3232	OSR Rad +Y	273,3	270,2	272,4
3233	OSR Rad +Y	268,7	250,1	267,7
3234	OSR Rad +Y	267,6	248,5	266,6
3235	OSR Rad +Y	266,5	247,6	265,6
3236	OSR Rad +Y	262,2	239,1	261,4
3237	OSR Rad +Y	280,3	247,2	279,5
3238	OSR Rad +Y	288,1	249,0	287,2
3239	OSR Rad +Y	288,0	250,4	287,1
3240	OSR Rad +Y	276,6	261,1	275,6
3241	OSR Rad +Y	272,2	257,6	271,2
3242	OSR Rad +Y	271,3	252,0	270,3
3243	OSR Rad +Y	267,5	251,3	266,5
3244	OSR Rad +Y	264,0	243,2	263,1
3245	OSR Rad +Y	280,6	256,8	279,7
3246	OSR Rad +Y	288,0	250,2	287,1
3247	OSR Rad +Y	288,9	253,2	288,0
3248	OSR Rad +Y	286,0	288,4	284,8
3301	OSR Rad +Y-Z	258,9	243,9	259,0
3302	OSR Rad +Y-Z	258,6	243,5	258,7



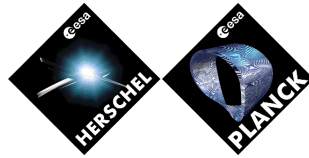
3303	OSR Rad +Y-Z	257,1	242,8	257,3
3304	OSR Rad +Y-Z	258,7	243,6	258,8
3305	OSR Rad +Y-Z	260,3	245,4	260,4
3306	OSR Rad +Y-Z	273,0	293,0	273,0
3307	OSR Rad +Y-Z	258,5	243,0	258,6
3308	OSR Rad +Y-Z	258,2	242,8	258,3
3309	OSR Rad +Y-Z	256,0	241,1	256,2
3310	OSR Rad +Y-Z	258,3	242,9	258,4
3311	OSR Rad +Y-Z	258,6	243,2	258,7
3312	OSR Rad +Y-Z	273,0	293,0	273,0
3313	OSR Rad +Y-Z	256,0	240,8	256,1
3314	OSR Rad +Y-Z	255,8	240,6	255,9
3315	OSR Rad +Y-Z	255,5	240,4	255,7
3316	OSR Rad +Y-Z	255,8	240,6	255,9
3317	OSR Rad +Y-Z	255,8	240,6	255,9
3318	OSR Rad +Y-Z	273,0	293,0	273,0
3319	OSR Rad +Y-Z	255,3	240,5	255,4
3320	OSR Rad +Y-Z	255,1	240,4	255,2
3321	OSR Rad +Y-Z	255,1	240,3	255,2
3322	OSR Rad +Y-Z	255,1	240,4	255,2
3323	OSR Rad +Y-Z	254,5	239,7	254,5
3324	OSR Rad +Y-Z	226,1	213,0	225,9
3325	OSR Rad +Y-Z	254,2	240,2	254,3
3326	OSR Rad +Y-Z	254,0	240,0	254,0
3327	OSR Rad +Y-Z	254,0	240,0	254,1
3328	OSR Rad +Y-Z	254,0	240,0	254,0
3329	OSR Rad +Y-Z	253,3	239,3	253,4
3330	OSR Rad +Y-Z	230,4	217,1	230,2
3331	OSR Rad +Y-Z	254,3	240,7	254,4
3332	OSR Rad +Y-Z	253,8	240,3	253,8
3333	OSR Rad +Y-Z	253,8	240,3	253,8
3334	OSR Rad +Y-Z	253,8	240,3	253,8
3335	OSR Rad +Y-Z	253,2	239,7	253,3
3336	OSR Rad +Y-Z	235,3	221,6	235,0
3337	OSR Rad +Y-Z	256,5	242,3	256,5
3338	OSR Rad +Y-Z	253,9	240,2	253,9
3339	OSR Rad +Y-Z	253,8	240,2	253,9
3340	OSR Rad +Y-Z	253,8	240,2	253,9
3341	OSR Rad +Y-Z	253,3	239,6	253,3
3342	OSR Rad +Y-Z	236,8	223,1	236,4
3343	OSR Rad +Y-Z	257,3	243,2	257,3
3344	OSR Rad +Y-Z	254,2	240,6	254,2
3345	OSR Rad +Y-Z	254,1	240,6	254,1
3346	OSR Rad +Y-Z	254,1	240,6	254,1
3347	OSR Rad +Y-Z	253,5	240,0	253,5
3348	OSR Rad +Y-Z	235,3	222,1	234,9
3401	Rad -Z	257,5	243,1	257,5
3402	Rad -Z	246,6	233,8	246,8
3403	Rad -Z	257,8	243,4	257,9
3404	Rad -Z	259,0	244,3	259,1



3405	Rad -Z	248,7	235,5	248,9
3406	Rad -Z	259,4	244,5	259,5
3407	Rad -Z	260,3	245,2	260,4
3408	Rad -Z	252,9	239,0	253,1
3409	Rad -Z	260,6	245,3	260,6
3410	Rad -Z	258,8	243,7	258,9
3411	Rad -Z	253,2	239,0	253,3
3412	Rad -Z	259,0	243,8	259,1
3413	Rad -Z	256,8	241,7	256,9
3414	Rad -Z	254,9	240,1	255,0
3415	Rad -Z	256,9	241,8	257,0
3416	Rad -Z	254,5	239,7	254,6
3417	Rad -Z	254,0	239,2	254,1
3418	Rad -Z	254,5	239,8	254,6
3419	Rad -Z	254,8	239,8	254,9
3420	Rad -Z	255,0	239,9	255,0
3421	Rad -Z	254,8	239,9	254,9
3422	Rad -Z	253,4	238,8	253,5
3423	Rad -Z	253,8	239,1	253,9
3424	Rad -Z	253,5	238,9	253,6
3425	Rad -Z	254,1	239,6	254,2
3426	Rad -Z	254,6	239,9	254,7
3427	Rad -Z	254,2	239,6	254,2
3428	Rad -Z	252,6	238,6	252,7
3429	Rad -Z	253,1	239,0	253,1
3430	Rad -Z	252,7	238,6	252,7
3431	Rad -Z	253,2	239,3	253,2
3432	Rad -Z	253,6	239,6	253,7
3433	Rad -Z	253,2	239,3	253,3
3434	Rad -Z	252,1	238,7	252,2
3435	Rad -Z	252,4	238,9	252,5
3436	Rad -Z	252,2	238,7	252,2
3437	Rad -Z	253,2	239,7	253,3
3438	Rad -Z	253,4	239,9	253,4
3439	Rad -Z	253,2	239,8	253,3
3440	Rad -Z	252,8	239,3	252,8
3441	Rad -Z	252,4	239,0	252,4
3442	Rad -Z	252,8	239,4	252,9
3443	Rad -Z	255,0	241,0	255,0
3444	Rad -Z	253,4	239,8	253,4
3445	Rad -Z	255,1	241,2	255,1
3446	Rad -Z	255,3	241,3	255,3
3447	Rad -Z	252,2	238,9	252,3
3448	Rad -Z	255,5	241,6	255,5
3449	Rad -Z	255,7	241,8	255,7
3450	Rad -Z	253,0	239,6	253,0
3451	Rad -Z	255,9	242,1	255,9
3452	Rad -Z	253,1	239,7	253,1
3453	Rad -Z	251,1	238,0	251,0
3454	Rad -Z	253,3	239,9	253,3



3501	OSR Rad -Y-Z	273,0	293,0	273,0
3502	OSR Rad -Y-Z	260,4	249,4	260,5
3503	OSR Rad -Y-Z	252,9	242,7	253,0
3504	OSR Rad -Y-Z	257,0	246,6	257,1
3505	OSR Rad -Y-Z	253,1	242,8	253,2
3506	OSR Rad -Y-Z	256,6	245,8	256,7
3507	OSR Rad -Y-Z	273,0	293,0	273,0
3508	OSR Rad -Y-Z	257,6	246,2	257,7
3509	OSR Rad -Y-Z	252,5	241,7	252,6
3510	OSR Rad -Y-Z	254,7	243,7	254,9
3511	OSR Rad -Y-Z	252,6	241,9	252,7
3512	OSR Rad -Y-Z	255,4	244,1	255,5
3513	OSR Rad -Y-Z	273,0	293,0	273,0
3514	OSR Rad -Y-Z	252,7	242,1	252,8
3515	OSR Rad -Y-Z	252,0	241,6	252,1
3516	OSR Rad -Y-Z	252,3	241,8	252,4
3517	OSR Rad -Y-Z	252,0	241,6	252,1
3518	OSR Rad -Y-Z	252,5	242,0	252,6
3519	OSR Rad -Y-Z	230,1	221,2	229,8
3520	OSR Rad -Y-Z	251,3	240,6	251,3
3521	OSR Rad -Y-Z	251,7	241,0	251,8
3522	OSR Rad -Y-Z	251,7	241,1	251,8
3523	OSR Rad -Y-Z	251,7	241,0	251,8
3524	OSR Rad -Y-Z	251,9	241,2	252,0
3525	OSR Rad -Y-Z	232,1	223,3	231,8
3526	OSR Rad -Y-Z	250,7	240,7	250,8
3527	OSR Rad -Y-Z	251,2	241,3	251,3
3528	OSR Rad -Y-Z	251,3	241,3	251,3
3529	OSR Rad -Y-Z	251,2	241,2	251,3
3530	OSR Rad -Y-Z	251,5	241,4	251,6
3531	OSR Rad -Y-Z	231,3	222,8	230,9
3532	OSR Rad -Y-Z	250,6	240,4	250,6
3533	OSR Rad -Y-Z	251,2	240,9	251,2
3534	OSR Rad -Y-Z	251,2	240,9	251,2
3535	OSR Rad -Y-Z	251,2	241,0	251,2
3536	OSR Rad -Y-Z	251,7	241,4	251,8
3537	OSR Rad -Y-Z	231,1	222,8	230,7
3538	OSR Rad -Y-Z	250,6	240,8	250,7
3539	OSR Rad -Y-Z	251,2	241,3	251,3
3540	OSR Rad -Y-Z	251,3	241,3	251,3
3541	OSR Rad -Y-Z	251,3	241,4	251,4
3542	OSR Rad -Y-Z	253,9	243,6	253,9
3543	OSR Rad -Y-Z	232,6	224,1	232,2
3544	OSR Rad -Y-Z	251,0	240,7	251,0
3545	OSR Rad -Y-Z	251,5	241,2	251,6
3546	OSR Rad -Y-Z	251,5	241,2	251,6
3547	OSR Rad -Y-Z	251,6	241,2	251,6
3548	OSR Rad -Y-Z	254,7	243,9	254,7
3601	OSR Rad -Y	287,2	274,8	286,2
3602	OSR Rad -Y	274,5	263,1	273,6



3603	OSR Rad -Y	282,8	269,5	281,7
3604	OSR Rad -Y	283,2	269,6	282,1
3605	OSR Rad -Y	280,1	266,7	279,0
3606	OSR Rad -Y	270,3	258,4	269,4
3607	OSR Rad -Y	270,2	258,2	269,2
3608	OSR Rad -Y	287,4	273,3	286,2
3609	OSR Rad -Y	284,5	272,1	283,4
3610	OSR Rad -Y	274,5	263,3	273,6
3611	OSR Rad -Y	281,7	268,5	280,5
3612	OSR Rad -Y	282,5	269,1	281,4
3613	OSR Rad -Y	280,9	267,6	279,8
3614	OSR Rad -Y	271,6	259,7	270,6
3615	OSR Rad -Y	271,2	259,3	270,2
3616	OSR Rad -Y	284,8	270,6	283,5
3617	OSR Rad -Y	274,9	264,0	273,9
3618	OSR Rad -Y	271,3	260,6	270,3
3619	OSR Rad -Y	269,2	258,0	268,2
3620	OSR Rad -Y	283,9	270,4	282,7
3621	OSR Rad -Y	287,5	273,5	286,2
3622	OSR Rad -Y	286,1	272,3	284,8
3623	OSR Rad -Y	286,5	272,6	285,2
3624	OSR Rad -Y	287,1	272,9	285,8
3625	OSR Rad -Y	280,5	270,2	279,5
3626	OSR Rad -Y	275,5	265,4	274,5
3627	OSR Rad -Y	269,0	258,3	268,0
3628	OSR Rad -Y	284,7	271,3	283,4
3629	OSR Rad -Y	289,3	275,3	287,9
3630	OSR Rad -Y	289,4	275,6	288,0
3631	OSR Rad -Y	290,6	276,7	289,3
3632	OSR Rad -Y	289,0	275,3	287,7
3633	OSR Rad -Y	293,5	281,8	292,3
3634	OSR Rad -Y	281,8	271,4	280,7
3635	OSR Rad -Y	287,1	274,5	285,8
3636	OSR Rad -Y	290,0	276,6	288,6
3637	OSR Rad -Y	289,7	276,3	288,3
3638	OSR Rad -Y	284,1	273,2	283,0
3639	OSR Rad -Y	295,4	283,1	294,2
3640	OSR Rad -Y	297,5	284,9	296,3
3641	OSR Rad -Y	294,5	282,6	293,2
3642	OSR Rad -Y	284,6	273,9	283,4
3643	OSR Rad -Y	295,4	282,9	294,0
3644	OSR Rad -Y	295,7	283,0	294,3
3645	OSR Rad -Y	290,5	277,5	289,1
3646	OSR Rad -Y	282,9	272,5	281,8
3647	OSR Rad -Y	284,5	274,1	283,5
3648	OSR Rad -Y	296,7	284,6	295,5
3701	MLI Rad -Y+Z	289,5	269,3	288,4
3702	MLI Rad -Y+Z	291,1	272,7	290,1
3703	MLI Rad -Y+Z	293,0	277,4	292,0
3704	MLI Rad -Y+Z	289,9	275,0	289,0



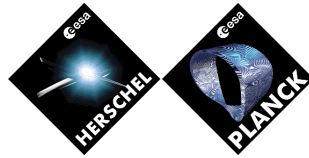
3705	MLI Rad -Y+Z	288,1	273,4	287,2
3706	MLI Rad -Y+Z	284,5	269,7	283,5
3707	MLI Rad -Y+Z	286,6	271,9	285,5
3708	MLI Rad -Y+Z	288,8	275,9	287,8
3709	MLI Rad -Y+Z	285,3	272,9	284,3
3710	MLI Rad -Y+Z	285,1	272,6	284,1
3711	MLI Rad -Y+Z	289,9	277,0	288,8
3712	MLI Rad -Y+Z	290,3	277,5	289,2
3713	MLI Rad -Y+Z	287,4	266,7	286,2
3714	MLI Rad -Y+Z	273,0	293,0	273,0
3715	MLI Rad -Y+Z	283,9	270,9	283,1
3716	MLI Rad -Y+Z	282,6	270,0	281,8
3717	MLI Rad -Y+Z	281,4	268,9	280,6
3718	MLI Rad -Y+Z	268,4	256,2	267,6
3719	MLI Rad -Y+Z	279,2	265,3	278,2
3720	MLI Rad -Y+Z	274,3	262,7	273,4
3721	MLI Rad -Y+Z	268,7	258,4	267,9
3722	MLI Rad -Y+Z	268,3	257,9	267,6
3723	MLI Rad -Y+Z	273,0	293,0	273,0
3724	MLI Rad -Y+Z	290,4	277,2	289,2
3725	MLI Rad -Y+Z	285,4	264,9	284,2
3726	MLI Rad -Y+Z	283,1	265,1	281,9
3727	MLI Rad -Y+Z	274,3	261,7	273,5
3728	MLI Rad -Y+Z	276,9	264,9	276,1
3729	MLI Rad -Y+Z	275,7	263,7	274,9
3730	MLI Rad -Y+Z	263,6	251,9	262,8
3731	MLI Rad -Y+Z	270,0	257,9	269,2
3732	MLI Rad -Y+Z	286,8	273,5	285,8
3733	MLI Rad -Y+Z	288,8	275,6	287,8
3734	MLI Rad -Y+Z	289,4	275,9	288,3
3735	MLI Rad -Y+Z	292,3	278,3	291,1
3736	MLI Rad -Y+Z	290,8	277,3	289,6
3737	MLI Rad -Y+Z	284,9	264,1	283,6
3738	MLI Rad -Y+Z	283,0	264,8	281,8
3739	MLI Rad -Y+Z	272,9	260,2	272,0
3740	MLI Rad -Y+Z	273,9	261,7	273,0
3741	MLI Rad -Y+Z	272,1	260,0	271,2
3742	MLI Rad -Y+Z	265,3	253,4	264,4
3743	MLI Rad -Y+Z	285,6	272,3	284,7
3744	MLI Rad -Y+Z	299,7	284,4	298,6
3745	MLI Rad -Y+Z	300,8	285,4	299,8
3746	MLI Rad -Y+Z	299,9	284,6	298,8
3747	MLI Rad -Y+Z	295,0	280,7	293,8
3748	MLI Rad -Y+Z	292,6	278,9	291,3
3749	MLI Rad -Y+Z	285,0	263,6	283,6
3750	MLI Rad -Y+Z	273,0	293,0	273,0
3751	MLI Rad -Y+Z	274,0	261,5	273,1
3752	MLI Rad -Y+Z	275,2	262,7	274,2
3753	MLI Rad -Y+Z	273,9	261,5	272,9
3754	MLI Rad -Y+Z	266,1	254,2	265,2



3755	MLI Rad -Y+Z	287,3	273,8	286,4
3756	MLI Rad -Y+Z	290,8	277,1	289,9
3757	MLI Rad -Y+Z	291,1	277,3	290,2
3758	MLI Rad -Y+Z	290,1	276,4	289,2
3759	MLI Rad -Y+Z	273,0	293,0	273,0
3760	MLI Rad -Y+Z	293,2	279,7	291,8
3761	MLI Rad -Y+Z	284,5	262,9	283,0
3762	MLI Rad -Y+Z	273,0	293,0	273,0
3763	MLI Rad -Y+Z	261,3	248,9	260,3
3764	MLI Rad -Y+Z	261,7	249,5	260,6
3765	MLI Rad -Y+Z	262,5	250,4	261,5
3766	MLI Rad -Y+Z	265,7	253,4	264,7
3767	MLI Rad -Y+Z	285,8	272,5	284,9
3768	MLI Rad -Y+Z	289,4	275,9	288,5
3769	MLI Rad -Y+Z	289,7	276,1	288,8
3770	MLI Rad -Y+Z	288,4	274,8	287,5
3771	MLI Rad -Y+Z	273,0	293,0	273,0
3772	MLI Rad -Y+Z	293,6	280,3	292,1
3921	LGA+Y HORN	254,9	238,3	255,2
3922	LGA+Y SEPTUM	261,3	242,7	261,5
3923	LGA+Y SUPPORT	264,7	242,2	264,7
3924	LGA+Y LOAD	273,6	255,1	273,8
3931	SAS HOUSING	286,0	249,2	285,1
3932	SAS PYRAMID	284,4	248,2	283,5
3933	SAS CHIP	282,2	246,9	281,4
3950	SAS2 BRACKET	319,4	297,8	318,5
3951	SAS2 HOUSING	330,8	309,9	330,0
3952	SAS2 PYRAMID	333,7	313,0	333,0
3953	SAS2 CHIP	335,8	315,5	335,1
3960	VMC	295,8	250,4	294,6
3961	LGA+Y HORN	247,0	241,5	247,2
3962	LGA+Y SEPTUM	255,7	249,1	255,8
3963	LGA+Y SUPPORT	263,8	255,1	263,5
3964	LGA+Y LOAD	268,0	261,5	268,1
3965	SREM LENS	298,0	254,6	296,9
3966	SREM	298,0	254,6	296,9
3968	AAD_BRK	312,1	290,0	311,0
3969	AAD_BRK	316,6	294,8	315,6
3970	AAD_HOUSING	321,5	299,7	320,5
3971	OPTHEAD1	330,0	308,4	329,1
3972	UPPER APERTURE1	337,2	315,7	336,4
3973	CHIP1	330,1	308,5	329,2
3974	OPTHEAD2	330,0	308,4	329,1
3975	UPPER APERTURE2	337,2	315,7	336,4
3976	CHIP2	330,1	308,5	329,2
3981	MGA-X 1SUNSHIELD RING	361,1	343,7	360,2
3982	MGA-X 2aSUNSHIELD	358,4	340,9	357,4
3983	MGA-X 2bSUNSHIELD	371,8	360,6	371,6
3984	MGA-X 3aHORN	347,0	329,3	346,0
3985	MGA-X 3bHORN	331,5	313,1	330,3



3986	MGA-X SEPTUM	322,9	304,9	321,6
3987	MGA-X SUPPORT	312,8	293,4	311,4
3988	MGA-X LOAD	335,0	317,2	333,8
3991	LGA-X HORN	349,0	337,6	348,5
3992	LGA-X SEPTUM	332,1	317,5	331,2
3993	LGA-X SUPPORT	307,0	287,2	305,5
3994	LGA-X LOAD	344,0	329,5	343,1
4001	MLI Rad +Z	128,9	121,4	134,5
4002	MLI Rad +Z	135,7	126,6	140,9
4003	MLI Rad +Z	157,7	145,4	161,2
4004	MLI Rad +Z	155,3	143,7	158,9
4005	MLI Rad +Z	156,0	144,2	159,7
4006	MLI Rad +Z	157,4	146,6	160,8
4007	MLI Rad +Z	136,2	127,2	141,3
4008	MLI Rad +Z	129,4	122,0	135,0
4009	MLI Rad +Z	120,0	111,4	123,1
4011	MLI Rad +Z	273,0	293,0	273,0
4014	MLI Rad +Z	273,0	293,0	273,0
4016	MLI Rad +Z	120,8	111,9	123,8
4017	MLI Rad +Z	115,9	105,9	117,4
4018	MLI Rad +Z	127,1	116,3	128,3
4019	MLI Rad +Z	165,3	149,4	165,2
4020	MLI Rad +Z	159,2	144,8	159,5
4021	MLI Rad +Z	161,1	145,0	161,3
4022	MLI Rad +Z	166,2	150,1	166,0
4023	MLI Rad +Z	127,5	117,9	128,7
4024	MLI Rad +Z	114,1	106,5	115,5
4025	MLI Rad +Z	112,0	100,9	112,5
4026	MLI Rad +Z	115,3	104,0	115,9
4027	MLI Rad +Z	119,5	108,6	119,9
4028	MLI Rad +Z	120,7	109,6	121,2
4029	MLI Rad +Z	119,4	110,3	120,0
4030	MLI Rad +Z	118,2	109,2	118,7
4031	MLI Rad +Z	112,0	103,4	112,5
4032	MLI Rad +Z	109,8	101,9	110,5
4033	MLI Rad +Z	108,9	97,7	109,1
4040	MLI Rad +Z	106,6	98,9	106,8
4041	MLI Rad +Z	107,9	96,8	107,9
4042	MLI Rad +Z	108,6	97,2	108,6
4043	MLI Rad +Z	108,6	97,8	108,7
4044	MLI Rad +Z	108,5	100,0	108,5
4045	MLI Rad +Z	106,1	98,0	106,2
4046	MLI Rad +Z	105,3	97,7	105,3
4047	MLI Rad +Z	104,7	97,4	104,7
4048	MLI Rad +Z	105,6	98,3	105,5
4101	MLI Rad +Y+Z	125,8	117,8	131,9
4102	MLI Rad +Y+Z	127,4	118,8	133,9
4103	MLI Rad +Y+Z	128,0	120,5	134,7
4104	MLI Rad +Y+Z	128,5	119,9	135,4
4105	MLI Rad +Y+Z	129,0	120,7	135,9



4106	MLI Rad +Y+Z	129,2	120,1	136,0
4107	MLI Rad +Y+Z	129,4	121,0	136,0
4108	MLI Rad +Y+Z	130,9	121,8	137,4
4109	MLI Rad +Y+Z	131,1	120,7	137,4
4110	MLI Rad +Y+Z	131,8	121,1	137,9
4111	MLI Rad +Y+Z	133,7	122,9	139,7
4112	MLI Rad +Y+Z	135,9	125,4	141,5
4113	MLI Rad +Y+Z	116,8	107,6	120,4
4114	MLI Rad +Y+Z	119,0	110,0	123,2
4115	MLI Rad +Y+Z	119,7	111,2	124,1
4116	MLI Rad +Y+Z	120,9	111,5	125,7
4117	MLI Rad +Y+Z	121,4	112,3	126,3
4118	MLI Rad +Y+Z	121,7	112,7	126,6
4119	MLI Rad +Y+Z	122,2	113,1	126,9
4123	MLI Rad +Y+Z	135,3	122,1	138,6
4124	MLI Rad +Y+Z	155,8	138,2	157,8
4125	MLI Rad +Y+Z	111,4	101,4	113,6
4126	MLI Rad +Y+Z	113,7	103,6	116,3
4127	MLI Rad +Y+Z	115,1	104,8	118,0
4128	MLI Rad +Y+Z	116,4	105,8	119,6
4129	MLI Rad +Y+Z	116,5	106,5	119,8
4130	MLI Rad +Y+Z	117,0	107,0	120,3
4131	MLI Rad +Y+Z	116,8	107,3	120,2
4135	MLI Rad +Y+Z	132,6	117,4	134,7
4136	MLI Rad +Y+Z	147,2	129,6	148,7
4138	MLI Rad +Y+Z	110,3	99,6	112,0
4139	MLI Rad +Y+Z	112,7	101,3	114,6
4140	MLI Rad +Y+Z	113,0	101,9	114,9
4141	MLI Rad +Y+Z	113,1	102,8	115,2
4142	MLI Rad +Y+Z	113,5	102,7	115,6
4143	MLI Rad +Y+Z	113,5	102,9	115,7
4147	MLI Rad +Y+Z	140,2	123,0	141,1
4148	MLI Rad +Y+Z	136,6	119,4	136,8
4150	MLI Rad +Y+Z	108,5	97,7	109,5
4151	MLI Rad +Y+Z	110,7	99,2	111,7
4152	MLI Rad +Y+Z	111,2	99,8	112,4
4153	MLI Rad +Y+Z	111,4	100,3	112,7
4154	MLI Rad +Y+Z	111,6	100,4	112,9
4155	MLI Rad +Y+Z	111,7	100,3	113,1
4159	MLI Rad +Y+Z	113,7	101,0	114,4
4160	MLI Rad +Y+Z	113,2	100,2	113,2
4161	MLI Rad +Y+Z	106,7	97,3	107,1
4162	MLI Rad +Y+Z	108,3	97,4	108,8
4163	MLI Rad +Y+Z	109,4	98,1	110,1
4164	MLI Rad +Y+Z	109,6	98,6	110,3
4165	MLI Rad +Y+Z	110,1	99,1	110,9
4166	MLI Rad +Y+Z	110,0	98,9	110,8
4167	MLI Rad +Y+Z	109,8	98,6	110,7
4168	MLI Rad +Y+Z	108,5	97,5	109,3
4169	MLI Rad +Y+Z	107,4	96,1	108,2



4170	MLI Rad +Y+Z	107,1	96,0	107,6
4171	MLI Rad +Y+Z	108,1	96,8	108,5
4172	MLI Rad +Y+Z	108,3	96,8	108,3
4201	MLI Rad +Y	141,8	134,5	146,3
4202	MLI MASS	287,6	253,6	287,1
4205	MLI Rad +Y	155,4	143,6	159,2
4206	MLI Rad +Y	148,4	135,0	152,7
4207	MLI Rad +Y	171,6	153,2	173,9
4208	MLI Rad +Y	134,7	123,5	138,9
4209	MLI Rad +Y	128,0	121,6	131,7
4216	MLI Rad +Y+ MASS	126,8	114,4	128,8
4241	MLI MASS	57,1	54,6	60,5
4248	MLI MASS	110,1	98,5	110,1
4250	MLI EDGE	110,1	101,8	113,6
4301	MLI MASS	103,3	100,6	112,2
4302	MLI Rad +Y-Z	109,8	105,7	118,9
4304	MLI Rad +Y-Z	113,1	109,4	122,1
4305	MLI MASS	114,6	118,7	122,8
4306	MLI Rad +Y-Z	140,6	159,1	146,7
4312	MLI Rad +Y-Z	162,9	154,4	165,7
4318	MLI Rad +Y-Z	165,2	120,6	166,3
4336	MLI Rad +Y-Z	99,2	94,9	100,5
4337	MLI MASS	56,5	52,6	62,0
4342	MLI MASS	61,0	56,8	64,7
4401	MLI Rad -Z	100,5	98,9	109,8
4402	MLI MASS	105,1	100,9	114,1
4403	MLI Rad -Z	102,4	97,5	111,8
4404	MLI MASS	104,9	100,6	113,8
4443	MLI MASS	48,0	48,0	53,0
4445	MLI MASS	49,3	46,6	54,4
4501	MLI Rad -Y-Z	140,4	159,1	146,4
4502	MLI Rad -Y-Z	120,2	118,4	127,6
4503	MLI MASS	115,3	111,8	123,6
4504	MLI Rad -Y-Z	111,8	107,7	121,0
4506	MLI MASS	103,5	102,1	112,6
4507	MLI Rad -Y-Z	159,0	155,3	162,0
4513	MLI Rad -Y-Z	164,8	127,0	165,8
4526	MLI Rad -Y-Z	90,5	79,1	92,6
4538	MLI MASS	60,0	60,7	64,2
4542	MLI MASS	54,7	54,9	60,2
4550	MLI Rad -Y-Z	88,0	76,0	89,8
4601	MLI Rad -Y	126,7	122,9	132,3
4603	MLI Rad -Y	134,5	130,6	140,0
4604	MLI Rad -Y	154,7	149,7	158,7
4605	MLI Rad -Y	154,3	150,1	158,2
4608	MLI Rad -Y	127,3	127,6	133,0
4609	MLI Rad -Y	116,4	113,1	119,6
4611	MLI Rad -Y	126,8	122,8	130,1
4612	MLI Rad -Y	144,4	139,9	146,2
4613	MLI Rad -Y	144,9	140,6	146,7



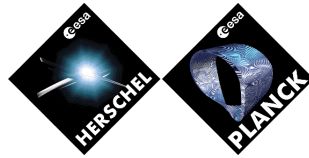
4616	MLI Rad -Y	117,6	117,1	120,9
4619	MLI Rad -Y	269,2	258,0	268,2
4620	MLI Rad -Y	124,0	120,4	125,2
4621	MLI Rad -Y	125,3	121,6	126,5
4622	MLI Rad -Y	118,1	113,7	119,8
4623	MLI Rad -Y	114,2	110,8	116,0
4624	MLI Rad -Y	112,6	109,4	114,0
4627	MLI Rad -Y	269,0	258,3	268,0
4628	MLI Rad -Y	112,8	107,6	113,8
4629	MLI Rad -Y	114,3	109,6	115,3
4630	MLI Rad -Y	112,9	109,4	113,7
4631	MLI Rad -Y	112,0	107,5	112,9
4632	MLI Rad -Y	110,4	105,9	111,2
4633	MLI Rad -Y	109,8	106,3	110,1
4635	MLI Rad -Y	109,4	104,8	110,0
4636	MLI Rad -Y	110,0	106,2	110,4
4637	MLI Rad -Y	110,3	106,2	110,9
4639	MLI Rad -Y	111,1	107,7	111,4
4640	MLI Rad -Y	111,4	107,5	111,8
4641	MLI Rad -Y	109,5	105,6	109,6
4643	MLI Rad -Y	110,5	106,3	110,7
4644	MLI Rad -Y	113,7	109,2	113,7
4645	MLI Rad -Y	108,8	104,9	109,0
4648	MLI Rad -Y	110,4	106,5	110,5
4701	MLI Rad -Y+Z	123,9	118,7	130,4
4702	MLI Rad -Y+Z	126,1	121,6	132,7
4703	MLI Rad -Y+Z	127,4	123,3	134,2
4704	MLI Rad -Y+Z	128,1	124,1	134,9
4705	MLI Rad -Y+Z	128,3	124,4	135,2
4706	MLI Rad -Y+Z	127,9	123,8	134,9
4707	MLI Rad -Y+Z	126,9	122,8	133,9
4708	MLI Rad -Y+Z	127,8	124,3	134,6
4709	MLI Rad -Y+Z	128,8	124,5	135,6
4710	MLI Rad -Y+Z	127,6	123,6	134,4
4711	MLI Rad -Y+Z	126,9	123,4	133,3
4712	MLI Rad -Y+Z	125,8	122,4	131,9
4713	MLI Rad -Y+Z	117,9	111,8	121,5
4714	MLI Rad -Y+Z	120,9	114,0	124,8
4715	MLI Rad -Y+Z	122,0	117,9	127,0
4719	MLI Rad -Y+Z	120,5	116,0	125,6
4720	MLI Rad -Y+Z	121,5	117,7	127,1
4723	MLI Rad -Y+Z	119,2	115,7	123,1
4724	MLI Rad -Y+Z	117,2	113,1	120,8
4725	MLI Rad -Y+Z	112,4	105,2	114,6
4726	MLI Rad -Y+Z	112,6	107,3	115,2
4732	MLI Rad -Y+Z	116,6	112,0	120,0
4733	MLI Rad -Y+Z	116,8	112,3	120,0
4734	MLI Rad -Y+Z	116,4	110,7	119,1
4735	MLI Rad -Y+Z	116,2	110,7	118,7
4736	MLI Rad -Y+Z	114,7	109,1	116,7



4737	MLI Rad -Y+Z	114,9	103,6	116,0
4738	MLI Rad -Y+Z	114,7	105,6	116,1
4744	MLI Rad -Y+Z	116,4	111,1	118,3
4745	MLI Rad -Y+Z	118,6	111,2	120,4
4746	MLI Rad -Y+Z	121,3	111,7	122,7
4747	MLI Rad -Y+Z	119,9	110,6	121,1
4748	MLI Rad -Y+Z	117,9	108,3	118,9
4749	MLI Rad -Y+Z	136,6	111,0	137,0
4750	MLI Rad -Y+Z	151,0	120,8	151,4
4759	MLI Rad -Y+Z	142,3	114,8	142,7
4760	MLI Rad -Y+Z	127,0	109,5	127,4
4761	MLI Rad -Y+Z	142,9	107,8	142,9
4762	MLI Rad +Y+Z	173,9	141,5	174,0
4771	MLI Rad +Y+Z	164,2	140,8	164,0
4772	MLI Rad -Y+Z	128,2	105,8	128,3
4773	MLI EDGE	80,6	62,4	83,2
4901	MLI STRPY BAFFLE	193,0	175,2	194,1
4902	MLI STRPY BOX	256,2	230,7	255,4
4921	MLI LGA+Y	201,7	184,7	203,0
4925	WAVE GUIDE ON +Y	225,3	200,9	224,9
4926	HARNES ON +Y	229,3	199,3	229,0
4930	MLI SAS1 PY	255,0	223,0	254,3
4941	MLI STRMY BAFFLE	191,0	174,2	192,2
4942	MLI STRMY BOX	254,0	229,2	253,2
4950	MLI SAS2 MX	330,8	309,9	330,0
4959	SAS2 MLI BOX	335,6	319,1	335,4
4960	MLI VMC	151,5	132,3	152,2
4961	MLI LGA+Y	170,7	166,2	173,3
4966	SREM	151,2	134,0	153,6
4969	MLI AAD_BRK	373,2	364,0	373,1
4970	MLI AAD_LAT_HOUSING	320,4	321,1	320,2
4971	MLI OPTHEAD1	330,8	327,8	330,7
4972	MLI_AAD_HOUSING	418,1	390,6	418,1
4974	MLI OPTHEAD2	329,1	326,4	329,0
5050	Shear Web1 +Z-Y	292,7	280,0	291,6
5051	Shear Web1 +Z	295,0	279,6	293,8
5052	Shear Web1 +Z	293,5	280,4	292,4
5053	Shear Web1 +Z	300,6	286,0	299,3
5054	Shear Web1 +Z	297,0	282,7	295,7
5055	Shear Web1 +Z	297,5	283,2	296,2
5056	Shear Web1 +Z	297,4	282,8	296,1
5057	Shear Web1 +Z	296,4	280,3	294,9
5058	Shear Web1 +Z	296,3	281,2	294,8
5059	Shear Web1 +Z	294,9	278,0	293,1
5060	Shear Web1 +Z	292,7	279,9	291,6
5061	Shear Web1 +Z	295,1	279,7	293,9
5062	Shear Web1 +Z	293,6	280,4	292,5
5063	Shear Web1 +Z	301,2	286,6	300,0
5064	Shear Web1 +Z	297,3	283,0	296,1
5065	Shear Web1 +Z	297,9	283,4	296,6



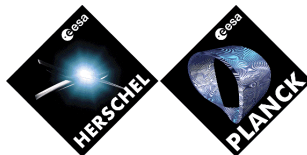
5066	Shear Web1 +Z	297,7	283,0	296,4
5067	Shear Web1 +Z	296,6	280,5	295,1
5068	Shear Web1 +Z	296,5	281,3	295,0
5069	Shear Web1 +Z	294,9	278,0	293,2
5070	Shear Web2 +Z	291,5	272,4	290,4
5071	Shear Web2 +Z	293,2	272,4	292,0
5072	Shear Web2 +Z	290,2	270,8	289,0
5073	Shear Web2 +Z	292,2	271,8	291,0
5074	Shear Web2 +Z	288,5	269,6	287,3
5075	Shear Web2 +Z	291,6	273,3	290,5
5076	Shear Web2 +Z	287,7	270,8	286,5
5077	Shear Web2 +Z	290,6	269,3	289,1
5078	Shear Web2 +Z	286,6	267,6	285,2
5079	Shear Web2 +Z	290,4	268,6	288,8
5080	Shear Web2 +Z	291,4	272,2	290,3
5081	Shear Web2 +Z	293,1	272,1	291,8
5082	Shear Web2 +Z	290,1	270,5	288,9
5083	Shear Web2 +Z	292,1	271,5	290,9
5084	Shear Web2 +Z	288,4	269,3	287,1
5085	Shear Web2 +Z	291,5	273,2	290,4
5086	Shear Web2 +Z	287,7	270,7	286,5
5087	Shear Web2 +Z	290,4	269,0	289,0
5088	Shear Web2 +Z	286,6	267,4	285,1
5089	Shear Web2 +Z	290,2	268,3	288,6
5150	Shear Web3 +Y	295,2	259,6	294,1
5151	Shear Web3 +Y	294,5	264,1	293,3
5152	Shear Web3 +Y	296,2	258,1	295,0
5153	Shear Web3 +Y	295,0	263,3	293,7
5154	Shear Web3 +Y	302,5	259,0	301,3
5155	Shear Web3 +Y	301,4	260,2	300,1
5156	Shear Web3 +Y	291,1	256,7	289,7
5157	Shear Web3 +Y	293,5	262,1	291,9
5158	Shear Web3 +Y	289,5	257,0	287,8
5159	Shear Web3 +Y	292,2	262,4	290,5
5160	Shear Web3 +Y	295,4	259,4	294,2
5161	Shear Web3 +Y	294,7	264,1	293,5
5162	Shear Web3 +Y	296,5	258,0	295,3
5163	Shear Web3 +Y	295,2	263,3	293,9
5164	Shear Web3 +Y	303,5	259,1	302,3
5165	Shear Web3 +Y	302,2	260,0	300,9
5166	Shear Web3 +Y	291,2	256,7	289,7
5167	Shear Web3 +Y	293,6	262,1	292,0
5168	Shear Web3 +Y	289,5	257,0	287,9
5169	Shear Web3 +Y	292,3	262,4	290,6
5170	Shear Web4 +Y	294,6	261,3	293,5
5171	Shear Web4 +Y	296,4	264,1	295,2
5172	Shear Web4 +Y	294,3	263,3	293,1
5173	Shear Web4 +Y	296,1	266,7	294,9
5174	Shear Web4 +Y	293,6	259,6	292,4
5175	Shear Web4 +Y	295,8	268,9	294,5



5176	Shear Web4 +Y	293,2	258,8	291,9
5177	Shear Web4 +Y	295,4	262,5	293,9
5178	Shear Web4 +Y	293,2	259,2	291,7
5179	Shear Web4 +Y	294,9	261,8	293,2
5180	Shear Web4 +Y	294,7	261,4	293,5
5181	Shear Web4 +Y	296,5	264,0	295,3
5182	Shear Web4 +Y	294,3	263,6	293,2
5183	Shear Web4 +Y	296,1	266,8	294,9
5184	Shear Web4 +Y	293,7	259,6	292,4
5185	Shear Web4 +Y	295,8	269,2	294,6
5186	Shear Web4 +Y	293,2	258,8	291,9
5187	Shear Web4 +Y	295,4	262,5	294,0
5188	Shear Web4 +Y	293,2	259,2	291,7
5189	Shear Web4 +Y	294,9	261,7	293,3
5250	Shear Web5 -Z	297,0	263,9	295,8
5251	Shear Web5 -Z	297,3	265,9	296,0
5252	Shear Web5 -Z	305,2	262,9	304,0
5253	Shear Web5 -Z	301,3	264,2	300,0
5254	Shear Web5 -Z	302,7	262,2	301,4
5255	Shear Web5 -Z	295,6	265,0	294,1
5256	Shear Web5 -Z	290,0	260,3	288,6
5257	Shear Web5 -Z	294,0	264,7	292,3
5258	Shear Web5 -Z	288,4	260,2	286,7
5259	Shear Web5 -Z	293,4	264,5	291,6
5260	Shear Web5 -Z	297,0	264,0	295,8
5261	Shear Web5 -Z	297,3	266,1	296,0
5262	Shear Web5 -Z	304,6	263,1	303,4
5263	Shear Web5 -Z	300,9	264,4	299,6
5264	Shear Web5 -Z	301,9	262,2	300,7
5265	Shear Web5 -Z	295,6	265,1	294,1
5266	Shear Web5 -Z	290,2	260,5	288,7
5267	Shear Web5 -Z	294,0	264,9	292,3
5268	Shear Web5 -Z	288,6	260,3	286,9
5269	Shear Web5 -Z	293,5	264,6	291,7
5270	Shear Web6 -Z	291,3	267,9	289,8
5271	Shear Web6 -Z	294,8	270,6	293,1
5272	Shear Web6 -Z	291,8	267,8	290,1
5273	Shear Web6 -Z	294,2	270,2	292,5
5274	Shear Web6 -Z	291,2	267,0	289,5
5275	Shear Web6 -Z	293,8	269,2	292,0
5276	Shear Web6 -Z	291,2	266,8	289,3
5277	Shear Web6 -Z	293,5	268,7	291,6
5278	Shear Web6 -Z	291,2	266,8	289,3
5279	Shear Web6 -Z	293,4	268,4	291,3
5280	Shear Web6 -Z	291,3	267,9	289,7
5281	Shear Web6 -Z	294,7	270,6	293,0
5282	Shear Web6 -Z	291,8	267,8	290,1
5283	Shear Web6 -Z	294,1	270,3	292,4
5284	Shear Web6 -Z	291,1	267,0	289,4
5285	Shear Web6 -Z	293,7	269,2	291,9



5286	Shear Web6 -Z	291,1	266,8	289,3
5287	Shear Web6 -Z	293,5	268,7	291,5
5288	Shear Web6 -Z	291,2	266,8	289,2
5289	Shear Web6 -Z	293,3	268,5	291,3
5350	Shear Web7 -Y	290,9	269,1	289,2
5351	Shear Web7 -Y	294,2	272,1	292,5
5352	Shear Web7 -Y	291,2	269,3	289,4
5353	Shear Web7 -Y	293,8	271,7	292,1
5354	Shear Web7 -Y	290,7	268,8	288,9
5355	Shear Web7 -Y	293,6	271,2	291,7
5356	Shear Web7 -Y	291,1	269,1	289,2
5357	Shear Web7 -Y	293,4	270,7	291,4
5358	Shear Web7 -Y	290,5	268,6	288,6
5359	Shear Web7 -Y	293,1	270,2	291,0
5360	Shear Web7 -Y	291,0	269,2	289,3
5361	Shear Web7 -Y	294,3	272,3	292,6
5362	Shear Web7 -Y	291,2	269,3	289,5
5363	Shear Web7 -Y	293,9	271,8	292,1
5364	Shear Web7 -Y	290,7	268,9	288,9
5365	Shear Web7 -Y	293,7	271,3	291,8
5366	Shear Web7 -Y	291,2	269,1	289,3
5367	Shear Web7 -Y	293,4	270,8	291,5
5368	Shear Web7 -Y	290,6	268,7	288,6
5369	Shear Web7 -Y	293,2	270,2	291,1
5370	Shear Web8 -Y	292,1	275,0	290,6
5371	Shear Web8 -Y	294,4	276,1	292,8
5372	Shear Web8 -Y	292,1	274,8	290,5
5373	Shear Web8 -Y	294,1	275,9	292,4
5374	Shear Web8 -Y	290,1	272,4	288,5
5375	Shear Web8 -Y	294,7	276,4	293,0
5376	Shear Web8 -Y	290,5	272,9	288,8
5377	Shear Web8 -Y	299,8	282,1	298,1
5378	Shear Web8 -Y	291,5	273,6	289,6
5379	Shear Web8 -Y	294,8	276,2	292,9
5380	Shear Web8 -Y	292,1	275,1	290,6
5381	Shear Web8 -Y	294,3	276,2	292,7
5382	Shear Web8 -Y	292,0	274,8	290,5
5383	Shear Web8 -Y	294,0	275,9	292,4
5384	Shear Web8 -Y	290,0	272,5	288,4
5385	Shear Web8 -Y	294,6	276,5	292,9
5386	Shear Web8 -Y	290,5	273,0	288,8
5387	Shear Web8 -Y	299,3	281,8	297,6
5388	Shear Web8 -Y	291,4	273,7	289,6
5389	Shear Web8 -Y	294,7	276,3	292,8
5401	<1> EXTERNAL LENS	284,0	237,8	283,3
5402	<2> HALF TOP OPTICAL FRA	291,9	241,6	291,1
5403	<3> SECOND HALF TOP OPTI	291,9	241,6	291,1
5404	<4> HALF MIDDLE OPTICAL	296,0	243,5	295,2



5405	<5> SECOND HALF MIDDLE O	296,0	243,5	295,2
5406	<6> HALF BOTTOM OPTICAL	299,0	244,9	298,2
5407	<7> SECOND HALF BOTTOM O	299,0	244,9	298,2
5408	<8> INTERNAL LENS	298,8	244,9	298,0
5409	<9> HALF CYLINDRIC FRAME	299,1	245,0	298,3
5410	<10> SECOND HALF CYLINDR	299,1	245,0	298,3
5411	<11> BOTTOM	299,6	245,2	298,7
5412	<12> THERMAL PLATE	300,0	245,5	299,2
5414	<14> CCD HOUSING	293,2	245,4	293,2
5415	<15> WINDOW CCD	294,0	245,4	293,9
5416	<16> THERMAL STRAP 1	299,7	245,5	298,8
5417	<17> THERMAL STRAP 2	299,6	245,5	298,8
5418	<18> THERMAL STRAP 3	299,6	245,5	298,8
5419	<19> THERMAL STRAP 4	299,6	245,5	298,8
5420	<20> THERMAL STRAP 5	299,6	245,5	298,8
5421	<21> HALF BOTTOM CYLINDR	299,5	245,5	298,7
5422	<22> SECOND HALF BOTTOM	299,6	245,5	298,7
5423	<23> HALF MIDDLE CYLINDR	301,1	245,0	300,2
5424	<24> SECOND HALF MIDDLE	301,0	245,0	300,1
5425	<25> HALF TOP CYLINDRIC	301,7	244,8	300,9
5426	<26> SECOND HALF TOP CYL	301,8	244,8	301,0
5427	<27> -X FOOT	299,4	245,7	298,6
5428	<28> +Y FOOT	299,6	245,5	298,7
5429	<29> +X FOOT	299,3	245,6	298,5
5430	<30> -Y FOOT	299,4	245,5	298,6
5431	<31> -Z LOWER COVER	299,4	245,5	298,6
5432	<32> UPPER COVER 1	302,6	244,7	301,7
5433	<33> UPPER COVER 2	302,3	244,7	301,4
5434	<34> UPPER COVER 3	301,9	244,8	301,1
5435	<35> UPPER COVER 4	302,0	244,7	301,2
5436	<36> PCB SHIELD	306,2	245,1	305,4
5437	<37> PCB DC/DC 1	306,4	245,1	305,6
5438	<38> PCB SUPPORT	302,0	245,1	301,2
5439	<39> PCB DC/DC 2	302,3	245,0	301,5
5440	<40> COVER +X	301,6	244,9	300,8
5441	<41> SUPPORT 1	302,8	245,2	302,0
5442	<42> SUPPORT 2	302,9	245,1	302,1
5443	<43> SUPPORT 3	310,7	245,1	309,9
5444	<44> SUPPORT 4	305,7	245,1	304,9
5445	<45> PCB PROCESSING	304,4	245,2	303,5
5446	<46> COVER -X	301,7	245,2	300,8



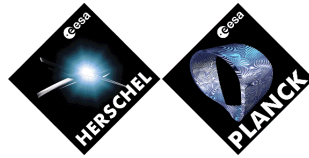
5447	<47> PCB I/F	306,5	245,1	305,7
5448	<48> COVER -Y	301,2	245,1	300,4
5449	<49> PCB PROXIMITY	314,0	245,1	313,2
5450	<50> COVER +Y	301,9	245,1	301,1
5451	<51> INTERNAL BAFFLE	236,6	201,6	236,1
5452	<52> BAFFLE	233,1	199,8	232,7
5453	<53> PELTIER(RADIATIVE)	296,5	245,5	296,1
5454	<54> PELTIER(CONDUCTIVE)	293,0	293,0	293,0
5455	<55> C1 I/F	310,8	245,1	309,9
5456	<56> C2 I/F	304,6	245,2	303,8
5457	<57> C3 DC/DC1	312,5	245,1	311,7
5458	<58> C4 DC/DC1	313,7	245,1	312,9
5459	<59> C5 DC/DC1	313,7	245,1	312,9
5460	<60> C6 DC/DC1	307,6	245,1	306,8
5461	<61> C7 DC/DC1	306,5	245,1	305,7
5462	<62> C8 PROXIMITY	316,0	245,1	315,2
5463	<63> C9 PROCESSING	320,4	245,0	319,6
5464	<64> C10 PROCESSING	315,1	245,4	314,3
5465	<65> C11 PROCESSING	307,7	244,8	306,9
5466	<66> C12 PROXIMITY	318,7	245,1	317,9
5467	<67> C13 DC/DC1	306,5	245,1	305,7
5468	<68> C14 DC/DC1	309,6	245,1	308,8
5470	<70> HALF CYLINDRIC COVE	299,9	245,2	299,1
5471	<71> SECOND HALF CYLINDR	299,9	245,2	299,1
5481	MLI ON BSPLMY MZ	297,7	246,1	296,9
5482	MLI ON BSPLMY MZ	297,9	245,7	297,0
5483	MLI ON BSPLMY MZ	298,1	245,9	297,2
5484	MLI ON BSPLMY MZ	297,7	245,7	296,9
5485	MLI ON BSPLMY MY	285,6	246,6	284,7
5486	MLI ON BSPLMY PY	285,2	248,8	284,3
5501	<1> EXTERNAL LENS	258,3	237,9	257,5
5502	<2> HALF TOP OPTICAL FRA	263,6	241,7	262,8
5503	<3> SECOND HALF TOP OPTI	263,6	241,7	262,8
5504	<4> HALF MIDDLE OPTICAL	266,4	243,6	265,5
5505	<5> SECOND HALF MIDDLE O	266,4	243,6	265,5
5506	<6> HALF BOTTOM OPTICAL	268,4	245,0	267,5
5507	<7> SECOND HALF BOTTOM O	268,4	245,0	267,5
5508	<8> INTERNAL LENS	268,4	245,0	267,5
5509	<9> HALF CYLINDRIC FRAME	268,5	245,1	267,6
5510	<10> SECOND HALF CYLINDR	268,5	245,1	267,6
5511	<11> BOTTOM	268,9	245,4	268,0



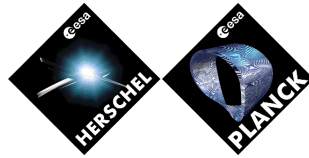
5512	<12> THERMAL PLATE	269,2	245,6	268,3
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5516	<16> THERMAL STRAP 1	269,3	245,6	268,4
5517	<17> THERMAL STRAP 2	269,3	245,6	268,4
5518	<18> THERMAL STRAP 3	269,3	245,6	268,4
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5521	<21> HALF BOTTOM CYLINDR	269,2	245,6	268,3
5522	<22> SECOND HALF BOTTOM	269,2	245,6	268,3
5523	<23> HALF MIDDLE CYLINDR	268,6	245,1	267,7
5524	<24> SECOND HALF MIDDLE	268,6	245,1	267,7
5525	<25> HALF TOP CYLINDRIC	268,3	244,9	267,4
5526	<26> SECOND HALF TOP CYL	268,3	244,8	267,4
5527	<27> -X FOOT	269,4	245,7	268,5
5528	<28> +Y FOOT	269,3	245,7	268,4
5529	<29> +X FOOT	269,3	245,6	268,4
5530	<30> -Y FOOT	269,3	245,6	268,4
5531	<31> -Z LOWER COVER	269,3	245,7	268,4
5532	<32> UPPER COVER 1	268,3	244,8	267,4
5533	<33> UPPER COVER 2	268,3	244,8	267,4
5534	<34> UPPER COVER 3	268,4	244,9	267,5
5535	<35> UPPER COVER 4	268,3	244,8	267,4
5536	<36> PCB SHIELD	268,7	245,1	267,8
5537	<37> PCB DC/DC 1	268,7	245,1	267,8
5538	<38> PCB SUPPORT	268,7	245,1	267,8
5539	<39> PCB DC/DC 2	268,7	245,1	267,7
5540	<40> COVER +X	268,5	245,0	267,6
5541	<41> SUPPORT 1	268,8	245,2	267,9
5542	<42> SUPPORT 2	268,8	245,2	267,9
5543	<43> SUPPORT 3	268,8	245,2	267,9
5544	<44> SUPPORT 4	268,8	245,2	267,8
5545	<45> PCB PROCESSING	268,8	245,2	267,9
5546	<46> COVER -X	268,8	245,2	267,9
5547	<47> PCB I/F	268,8	245,2	267,9
5548	<48> COVER -Y	268,8	245,2	267,9
5549	<49> PCB PROXIMITY	268,8	245,2	267,9
5550	<50> COVER +Y	268,8	245,2	267,9
5551	<51> INTERNAL BAFFLE	216,9	201,6	216,5
5552	<52> BAFFLE	214,5	199,8	214,1
5553	<53> PELTIER(RADIATIVE)	269,2	245,6	268,3
5554	<54> PELTIER(CONDUCTIVE)	293,0	293,0	293,0
5555	<55> C1 I/F	268,8	245,2	267,8
5556	<56> C2 I/F	268,9	245,3	268,0



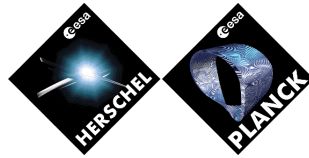
5557	<57> C3 DC/DC1	268,7	245,1	267,8
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5560	<60> C6 DC/DC1	268,7	245,1	267,8
5561	<61> C7 DC/DC1	268,7	245,1	267,8
5562	<62> C8 PROXIMITY	268,8	245,2	267,9
5563	<63> C9 PROCESSING	268,6	245,1	267,7
5564	<64> C10 PROCESSING	269,1	245,5	268,2
5565	<65> C11 PROCESSING	268,4	244,9	267,5
5566	<66> C12 PROXIMITY	268,8	245,2	267,9
5567	<67> C13 DC/DC1	268,7	245,1	267,8
5568	<68> C14 DC/DC1	268,7	245,1	267,8
5570	<70> HALF CYLINDRIC COVE	268,9	245,4	268,0
5571	<71> SECOND HALF CYLINDR	268,9	245,3	268,0
5581	MLI ON BSPLPY MZ	269,8	246,0	268,9
5582	MLI ON BSPLPY MZ	269,7	246,0	268,8
5583	MLI ON BSPLPY MZ	269,6	245,8	268,7
5584	MLI ON BSPLPY MZ	269,7	246,0	268,8
5585	MLI ON BSPLPY MY	272,5	246,9	271,5
5586	MLI ON BSPLPY PY	272,3	246,4	271,4
6001	MLI Rad +Z	290,2	260,6	289,1
6002	MLI Rad +Z	283,1	254,7	282,0
6003	MLI Rad +Z	280,8	253,4	279,7
6004	MLI Rad +Z	279,2	252,0	278,2
6005	MLI Rad +Z	281,1	252,9	280,1
6006	MLI Rad +Z	281,7	255,7	280,7
6007	MLI Rad +Z	284,5	258,5	283,5
6008	MLI Rad +Z	289,4	265,9	288,3
6009	MLI Rad +Z	286,1	255,7	284,9
6010	MLI Rad +Z	273,0	247,0	272,0
6011	MLI Rad +Z	273,0	293,0	273,0
6012	MLI Rad +Z	272,8	246,5	271,8
6013	MLI Rad +Z	283,2	246,7	282,3
6014	MLI Rad +Z	273,0	293,0	273,0
6015	MLI Rad +Z	282,7	249,4	281,8
6016	MLI Rad +Z	286,1	260,8	284,9
6017	MLI Rad +Z	288,9	256,4	287,7
6018	MLI Rad +Z	284,9	254,5	283,7
6019	MLI Rad +Z	283,7	253,5	282,4
6020	MLI Rad +Z	280,6	252,4	279,4
6021	MLI Rad +Z	280,3	253,0	279,2
6022	MLI Rad +Z	279,4	254,8	278,1
6023	MLI Rad +Z	282,0	257,0	280,8
6024	MLI Rad +Z	284,9	261,5	283,7
6025	MLI Rad +Z	289,5	256,9	288,2
6026	MLI Rad +Z	289,3	258,9	288,0
6027	MLI Rad +Z	289,1	255,4	287,8
6028	MLI Rad +Z	285,6	255,0	284,3
6029	MLI Rad +Z	278,7	257,1	277,4



6030	MLI Rad +Z	277,4	255,5	276,1
6031	MLI Rad +Z	278,0	256,0	276,6
6032	MLI Rad +Z	283,0	260,8	281,6
6033	MLI Rad +Z	288,1	255,5	286,7
6034	MLI Rad +Z	287,6	254,2	286,3
6035	MLI Rad +Z	287,9	254,3	286,6
6036	MLI Rad +Z	282,1	252,6	280,9
6037	MLI Rad +Z	273,8	252,1	272,5
6038	MLI Rad +Z	275,7	254,3	274,4
6039	MLI Rad +Z	275,6	254,4	274,3
6040	MLI Rad +Z	280,9	259,3	279,5
6041	MLI Rad +Z	288,4	256,0	286,9
6042	MLI Rad +Z	289,2	255,5	287,9
6043	MLI Rad +Z	289,2	256,0	287,9
6044	MLI Rad +Z	286,0	264,6	284,6
6045	MLI Rad +Z	279,1	256,7	277,6
6046	MLI Rad +Z	277,5	255,7	276,1
6047	MLI Rad +Z	277,8	257,5	276,4
6048	MLI Rad +Z	281,8	260,2	280,3
6101	OSR Rad +Y+Z	294,1	258,8	293,1
6102	OSR Rad +Y+Z	294,0	259,1	292,8
6103	OSR Rad +Y+Z	293,6	258,2	292,2
6104	OSR Rad +Y+Z	293,0	257,5	291,6
6105	OSR Rad +Y+Z	293,0	257,4	291,5
6106	OSR Rad +Y+Z	293,0	257,4	291,5
6107	OSR Rad +Y+Z	293,0	257,4	291,6
6108	OSR Rad +Y+Z	293,7	257,6	292,4
6109	OSR Rad +Y+Z	296,3	252,8	295,2
6110	OSR Rad +Y+Z	296,5	252,8	295,5
6111	OSR Rad +Y+Z	294,8	257,8	293,7
6112	OSR Rad +Y+Z	293,9	259,7	292,8
6113	OSR Rad +Y+Z	292,7	257,6	291,5
6114	OSR Rad +Y+Z	293,1	258,3	291,9
6115	OSR Rad +Y+Z	293,0	257,4	291,6
6116	OSR Rad +Y+Z	293,0	257,3	291,6
6117	OSR Rad +Y+Z	293,0	257,3	291,5
6118	OSR Rad +Y+Z	293,0	257,3	291,5
6119	OSR Rad +Y+Z	292,8	257,1	291,3
6120	OSR Rad +Y+Z	289,9	254,4	288,6
6121	OSR Rad +Y+Z	302,3	246,1	301,4
6122	OSR Rad +Y+Z	302,6	246,2	301,7
6123	OSR Rad +Y+Z	295,3	254,4	294,1
6124	OSR Rad +Y+Z	295,5	256,3	294,4
6125	OSR Rad +Y+Z	287,3	254,7	286,2
6126	OSR Rad +Y+Z	291,3	257,0	290,1
6127	OSR Rad +Y+Z	292,9	257,3	291,5
6128	OSR Rad +Y+Z	293,0	257,3	291,5
6129	OSR Rad +Y+Z	293,0	257,3	291,5
6130	OSR Rad +Y+Z	292,9	257,3	291,5
6131	OSR Rad +Y+Z	292,7	257,1	291,3



6132	OSR Rad +Y+Z	289,2	254,1	287,8
6133	OSR Rad +Y+Z	298,2	246,2	297,3
6134	OSR Rad +Y+Z	298,9	245,2	297,9
6135	OSR Rad +Y+Z	294,7	252,9	293,5
6136	OSR Rad +Y+Z	294,5	255,6	293,3
6137	OSR Rad +Y+Z	273,9	248,0	272,9
6138	OSR Rad +Y+Z	288,0	254,8	286,7
6139	OSR Rad +Y+Z	292,8	257,2	291,4
6140	OSR Rad +Y+Z	292,9	257,3	291,5
6141	OSR Rad +Y+Z	293,0	257,3	291,5
6142	OSR Rad +Y+Z	292,9	257,3	291,5
6143	OSR Rad +Y+Z	292,6	257,1	291,2
6144	OSR Rad +Y+Z	288,1	254,0	286,7
6145	OSR Rad +Y+Z	277,9	245,4	276,7
6146	OSR Rad +Y+Z	278,5	244,3	277,2
6147	OSR Rad +Y+Z	292,9	251,6	291,6
6148	OSR Rad +Y+Z	291,7	255,3	290,4
6149	OSR Rad +Y+Z	273,0	245,4	271,9
6150	OSR Rad +Y+Z	287,3	254,2	286,0
6151	OSR Rad +Y+Z	292,7	257,2	291,3
6152	OSR Rad +Y+Z	292,9	257,3	291,5
6153	OSR Rad +Y+Z	292,9	257,3	291,5
6154	OSR Rad +Y+Z	292,9	257,3	291,4
6155	OSR Rad +Y+Z	292,6	257,1	291,1
6156	OSR Rad +Y+Z	288,0	254,0	286,6
6157	OSR Rad +Y+Z	278,1	245,1	276,8
6158	OSR Rad +Y+Z	278,3	245,1	276,9
6159	OSR Rad +Y+Z	287,1	252,2	285,7
6160	OSR Rad +Y+Z	289,2	255,1	287,7
6161	OSR Rad +Y+Z	285,5	258,7	284,2
6162	OSR Rad +Y+Z	289,7	257,1	288,3
6163	OSR Rad +Y+Z	291,5	257,3	289,9
6164	OSR Rad +Y+Z	292,0	257,4	290,4
6165	OSR Rad +Y+Z	292,0	257,3	290,4
6166	OSR Rad +Y+Z	291,7	257,1	290,1
6167	OSR Rad +Y+Z	290,6	256,2	289,0
6168	OSR Rad +Y+Z	287,4	253,8	285,8
6169	OSR Rad +Y+Z	283,5	250,4	282,0
6170	OSR Rad +Y+Z	283,5	250,5	282,0
6171	OSR Rad +Y+Z	287,1	254,0	285,5
6172	OSR Rad +Y+Z	288,3	255,6	286,8
6201	OSR Rad +Y	293,4	260,2	292,7
6202	OSR Rad +Y	291,4	260,7	290,9
6203	OSR Rad +Y	291,1	260,1	290,6
6204	OSR Rad +Y	276,8	245,3	276,3
6205	OSR Rad +Y	276,2	243,8	275,7
6206	OSR Rad +Y	283,8	247,6	283,2
6207	OSR Rad +Y	290,0	253,1	289,2
6208	OSR Rad +Y	295,0	260,0	294,1
6209	OSR Rad +Y	283,8	251,0	283,0



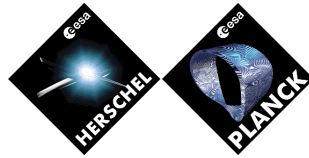
6210	OSR Rad +Y	306,0	259,1	305,3
6211	OSR Rad +Y	304,4	258,8	303,8
6212	OSR Rad +Y	276,0	243,4	275,5
6213	OSR Rad +Y	278,1	244,0	277,5
6214	OSR Rad +Y	301,9	254,0	301,1
6215	OSR Rad +Y	303,4	257,4	302,6
6216	OSR Rad +Y	293,0	257,1	292,1
6217	OSR Rad +Y	270,9	247,0	270,1
6218	OSR Rad +Y	276,4	257,8	275,7
6219	OSR Rad +Y	276,9	257,6	276,2
6220	OSR Rad +Y	269,8	242,2	269,1
6221	OSR Rad +Y	282,5	247,4	281,7
6222	OSR Rad +Y	298,5	253,0	297,7
6223	OSR Rad +Y	299,9	254,0	299,0
6224	OSR Rad +Y	283,2	255,4	282,3
6225	OSR Rad +Y	273,4	257,8	272,4
6226	OSR Rad +Y	274,7	254,0	273,6
6227	OSR Rad +Y	274,4	256,8	273,3
6228	OSR Rad +Y	268,2	243,8	267,3
6229	OSR Rad +Y	290,3	261,8	289,4
6230	OSR Rad +Y	297,6	254,2	296,7
6231	OSR Rad +Y	297,6	254,9	296,6
6232	OSR Rad +Y	277,7	279,6	276,7
6233	OSR Rad +Y	274,4	253,9	273,3
6234	OSR Rad +Y	275,0	253,9	273,9
6235	OSR Rad +Y	274,5	253,5	273,4
6236	OSR Rad +Y	267,7	242,6	266,8
6237	OSR Rad +Y	290,5	252,2	289,6
6238	OSR Rad +Y	297,7	254,0	296,7
6239	OSR Rad +Y	297,6	254,6	296,6
6240	OSR Rad +Y	280,3	263,3	279,3
6241	OSR Rad +Y	275,1	260,6	274,0
6242	OSR Rad +Y	275,6	254,7	274,5
6243	OSR Rad +Y	274,3	257,5	273,2
6244	OSR Rad +Y	269,2	246,5	268,1
6245	OSR Rad +Y	289,4	264,8	288,5
6246	OSR Rad +Y	296,7	254,2	295,7
6247	OSR Rad +Y	295,4	254,7	294,5
6248	OSR Rad +Y	287,4	294,0	286,2
6301	Rad +Y-Z	262,8	247,1	262,9
6302	Rad +Y-Z	262,5	246,8	262,6
6303	Rad +Y-Z	262,0	246,5	262,1
6304	Rad +Y-Z	262,6	246,8	262,7
6305	Rad +Y-Z	263,1	247,4	263,2
6306	Rad +Y-Z	273,0	293,0	273,0
6307	Rad +Y-Z	263,1	246,7	263,2
6308	Rad +Y-Z	262,8	246,4	262,9
6309	Rad +Y-Z	262,1	245,9	262,2
6310	Rad +Y-Z	262,9	246,5	263,0
6311	Rad +Y-Z	263,0	246,6	263,1



6312	Rad +Y-Z	273,0	293,0	273,0
6313	Rad +Y-Z	262,1	245,5	262,2
6314	Rad +Y-Z	261,9	245,3	262,0
6315	Rad +Y-Z	261,8	245,2	261,9
6316	Rad +Y-Z	261,9	245,3	262,0
6317	Rad +Y-Z	261,9	245,3	262,0
6318	Rad +Y-Z	273,0	293,0	273,0
6319	Rad +Y-Z	261,7	245,5	261,8
6320	Rad +Y-Z	261,5	245,4	261,5
6321	Rad +Y-Z	261,5	245,3	261,5
6322	Rad +Y-Z	261,5	245,3	261,5
6323	Rad +Y-Z	261,1	245,0	261,1
6324	Rad +Y-Z	228,7	215,0	228,5
6325	Rad +Y-Z	260,3	245,0	260,3
6326	Rad +Y-Z	260,0	244,9	260,1
6327	Rad +Y-Z	260,0	244,9	260,1
6328	Rad +Y-Z	260,0	244,9	260,1
6329	Rad +Y-Z	259,6	244,5	259,7
6330	Rad +Y-Z	232,4	218,6	232,1
6331	Rad +Y-Z	260,3	245,6	260,3
6332	Rad +Y-Z	259,9	245,3	260,0
6333	Rad +Y-Z	259,9	245,3	260,0
6334	Rad +Y-Z	259,9	245,3	260,0
6335	Rad +Y-Z	259,6	244,9	259,6
6336	Rad +Y-Z	236,5	222,5	236,1
6337	Rad +Y-Z	261,1	245,9	261,1
6338	Rad +Y-Z	260,0	245,1	260,1
6339	Rad +Y-Z	260,0	245,1	260,1
6340	Rad +Y-Z	260,0	245,1	260,1
6341	Rad +Y-Z	259,7	244,8	259,7
6342	Rad +Y-Z	238,5	224,4	238,1
6343	Rad +Y-Z	261,6	246,7	261,6
6344	Rad +Y-Z	260,4	245,7	260,4
6345	Rad +Y-Z	260,3	245,6	260,4
6346	Rad +Y-Z	260,3	245,6	260,4
6347	Rad +Y-Z	260,0	245,3	260,0
6348	Rad +Y-Z	237,7	223,9	237,2
6401	Rad -Z	259,2	244,4	259,3
6402	Rad -Z	250,6	237,0	250,7
6403	Rad -Z	259,6	244,6	259,6
6404	Rad -Z	260,2	245,1	260,3
6405	Rad -Z	253,0	239,0	253,2
6406	Rad -Z	260,5	245,3	260,6
6407	Rad -Z	263,0	247,3	263,1
6408	Rad -Z	261,7	246,1	261,8
6409	Rad -Z	263,1	247,3	263,2
6410	Rad -Z	261,2	245,6	261,3
6411	Rad -Z	258,5	243,2	258,6
6412	Rad -Z	261,4	245,6	261,4
6413	Rad -Z	263,1	246,7	263,2



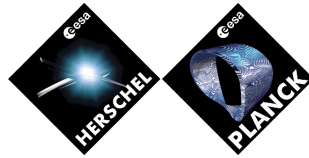
6414	Rad -Z	263,2	246,7	263,3
6415	Rad -Z	263,2	246,7	263,2
6416	Rad -Z	259,2	243,4	259,3
6417	Rad -Z	259,2	243,3	259,3
6418	Rad -Z	259,3	243,4	259,3
6419	Rad -Z	262,4	245,7	262,4
6420	Rad -Z	263,0	246,2	263,1
6421	Rad -Z	262,4	245,7	262,5
6422	Rad -Z	258,4	242,7	258,5
6423	Rad -Z	259,0	243,2	259,1
6424	Rad -Z	258,5	242,8	258,5
6425	Rad -Z	262,0	245,8	262,1
6426	Rad -Z	262,8	246,4	262,9
6427	Rad -Z	262,0	245,8	262,1
6428	Rad -Z	257,6	242,5	257,6
6429	Rad -Z	258,2	243,0	258,3
6430	Rad -Z	257,6	242,6	257,7
6431	Rad -Z	260,6	245,3	260,6
6432	Rad -Z	261,3	245,9	261,3
6433	Rad -Z	260,6	245,3	260,6
6434	Rad -Z	257,0	242,6	257,0
6435	Rad -Z	257,5	243,0	257,5
6436	Rad -Z	257,0	242,6	257,0
6437	Rad -Z	260,6	245,8	260,6
6438	Rad -Z	261,2	246,3	261,3
6439	Rad -Z	260,6	245,8	260,6
6440	Rad -Z	257,4	243,1	257,4
6441	Rad -Z	257,4	243,1	257,5
6442	Rad -Z	257,4	243,1	257,5
6443	Rad -Z	261,1	245,9	261,1
6444	Rad -Z	261,3	246,1	261,3
6445	Rad -Z	261,1	246,0	261,1
6446	Rad -Z	258,6	244,1	258,7
6447	Rad -Z	257,4	243,1	257,4
6448	Rad -Z	258,7	244,2	258,8
6449	Rad -Z	261,2	246,3	261,2
6450	Rad -Z	261,2	246,4	261,2
6451	Rad -Z	261,3	246,4	261,3
6452	Rad -Z	257,0	242,8	257,0
6453	Rad -Z	256,1	242,1	256,0
6454	Rad -Z	257,2	243,0	257,1
6501	Rad -Y-Z	273,0	293,0	273,0
6502	Rad -Y-Z	261,2	249,9	261,2
6503	Rad -Y-Z	258,6	247,6	258,7
6504	Rad -Y-Z	260,0	248,9	260,0
6505	Rad -Y-Z	258,7	247,7	258,7
6506	Rad -Y-Z	260,0	248,8	260,0
6507	Rad -Y-Z	273,0	293,0	273,0
6508	Rad -Y-Z	260,0	248,0	260,1
6509	Rad -Y-Z	258,2	246,5	258,3



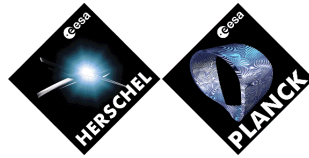
6510	Rad -Y-Z	259,0	247,2	259,1
6511	Rad -Y-Z	258,3	246,5	258,4
6512	Rad -Y-Z	259,3	247,3	259,3
6513	Rad -Y-Z	273,0	293,0	273,0
6514	Rad -Y-Z	258,1	246,9	258,2
6515	Rad -Y-Z	257,8	246,6	257,9
6516	Rad -Y-Z	258,0	246,7	258,0
6517	Rad -Y-Z	257,8	246,6	257,9
6518	Rad -Y-Z	258,2	246,9	258,3
6519	Rad -Y-Z	232,2	223,0	231,9
6520	Rad -Y-Z	257,3	245,7	257,4
6521	Rad -Y-Z	257,6	245,9	257,7
6522	Rad -Y-Z	257,6	246,0	257,7
6523	Rad -Y-Z	257,6	245,9	257,7
6524	Rad -Y-Z	257,9	246,1	257,9
6525	Rad -Y-Z	233,7	224,7	233,3
6526	Rad -Y-Z	256,8	246,1	256,8
6527	Rad -Y-Z	257,1	246,4	257,2
6528	Rad -Y-Z	257,1	246,4	257,2
6529	Rad -Y-Z	257,1	246,4	257,2
6530	Rad -Y-Z	257,4	246,6	257,4
6531	Rad -Y-Z	233,2	224,5	232,8
6532	Rad -Y-Z	256,7	245,6	256,8
6533	Rad -Y-Z	257,1	245,9	257,1
6534	Rad -Y-Z	257,1	245,9	257,1
6535	Rad -Y-Z	257,1	245,9	257,1
6536	Rad -Y-Z	257,5	246,2	257,5
6537	Rad -Y-Z	233,2	224,7	232,8
6538	Rad -Y-Z	256,8	246,2	256,9
6539	Rad -Y-Z	257,2	246,5	257,2
6540	Rad -Y-Z	257,2	246,5	257,2
6541	Rad -Y-Z	257,2	246,5	257,2
6542	Rad -Y-Z	258,2	247,4	258,3
6543	Rad -Y-Z	235,0	226,2	234,6
6544	Rad -Y-Z	257,2	245,9	257,2
6545	Rad -Y-Z	257,6	246,2	257,6
6546	Rad -Y-Z	257,6	246,2	257,6
6547	Rad -Y-Z	257,6	246,2	257,6
6548	Rad -Y-Z	258,8	247,2	258,8
6601	Rad -Y	286,9	274,2	285,8
6602	Rad -Y	281,4	268,9	280,4
6603	Rad -Y	283,7	270,2	282,6
6604	Rad -Y	283,7	270,1	282,6
6605	Rad -Y	280,8	267,2	279,6
6606	Rad -Y	277,4	264,3	276,3
6607	Rad -Y	276,8	263,7	275,7
6608	Rad -Y	287,4	273,0	286,1
6609	Rad -Y	286,0	273,4	284,9
6610	Rad -Y	282,1	269,7	281,1
6611	Rad -Y	283,2	269,7	282,0



6612	Rad -Y	283,7	270,1	282,5
6613	Rad -Y	282,2	268,5	281,0
6614	Rad -Y	278,2	265,1	277,1
6615	Rad -Y	277,4	264,4	276,3
6616	Rad -Y	285,6	271,2	284,3
6617	Rad -Y	282,8	270,7	281,7
6618	Rad -Y	278,9	267,1	277,9
6619	Rad -Y	275,0	262,9	273,9
6620	Rad -Y	285,0	271,3	283,7
6621	Rad -Y	288,4	274,2	287,0
6622	Rad -Y	287,0	273,1	285,7
6623	Rad -Y	287,5	273,5	286,2
6624	Rad -Y	287,4	273,0	286,0
6625	Rad -Y	289,8	278,3	288,7
6626	Rad -Y	284,3	273,1	283,2
6627	Rad -Y	274,1	262,5	273,0
6628	Rad -Y	285,3	271,8	284,0
6629	Rad -Y	289,9	275,8	288,5
6630	Rad -Y	290,1	276,2	288,8
6631	Rad -Y	291,0	276,9	289,6
6632	Rad -Y	288,6	274,8	287,3
6633	Rad -Y	295,5	283,6	294,2
6634	Rad -Y	290,5	279,0	289,3
6635	Rad -Y	288,3	275,4	287,0
6636	Rad -Y	290,4	276,8	289,0
6637	Rad -Y	290,3	276,6	288,9
6638	Rad -Y	292,6	280,7	291,5
6639	Rad -Y	297,5	285,0	296,2
6640	Rad -Y	298,6	285,9	297,3
6641	Rad -Y	295,6	283,5	294,3
6642	Rad -Y	293,3	281,4	292,0
6643	Rad -Y	297,0	284,5	295,6
6644	Rad -Y	296,7	284,1	295,3
6645	Rad -Y	291,0	277,8	289,6
6646	Rad -Y	292,0	280,5	290,8
6647	Rad -Y	293,1	281,6	291,9
6648	Rad -Y	297,8	285,6	296,6
6701	Rad -Y+Z	289,8	269,4	288,6
6702	Rad -Y+Z	291,3	272,8	290,2
6703	Rad -Y+Z	292,6	276,8	291,7
6704	Rad -Y+Z	290,6	275,5	289,6
6705	Rad -Y+Z	289,0	274,1	288,0
6706	Rad -Y+Z	285,5	270,5	284,5
6707	Rad -Y+Z	287,3	272,4	286,2
6708	Rad -Y+Z	288,9	275,8	287,8
6709	Rad -Y+Z	286,5	274,0	285,5
6710	Rad -Y+Z	286,3	273,6	285,2
6711	Rad -Y+Z	290,4	277,5	289,3
6712	Rad -Y+Z	290,6	277,7	289,5
6713	Rad -Y+Z	287,6	266,8	286,3



6714	Rad -Y+Z	273,0	293,0	273,0
6715	Rad -Y+Z	290,2	276,2	289,3
6716	Rad -Y+Z	291,8	277,8	290,9
6717	Rad -Y+Z	291,4	277,4	290,4
6718	Rad -Y+Z	273,5	260,3	272,7
6719	Rad -Y+Z	280,6	266,4	279,6
6720	Rad -Y+Z	277,6	265,5	276,7
6721	Rad -Y+Z	273,3	262,3	272,4
6722	Rad -Y+Z	273,1	261,9	272,3
6723	Rad -Y+Z	273,0	293,0	273,0
6724	Rad -Y+Z	290,6	277,3	289,4
6725	Rad -Y+Z	285,7	264,9	284,4
6726	Rad -Y+Z	283,7	265,6	282,6
6727	Rad -Y+Z	281,4	267,6	280,5
6728	Rad -Y+Z	285,7	272,3	284,8
6729	Rad -Y+Z	284,8	271,5	283,9
6730	Rad -Y+Z	269,0	256,2	268,2
6731	Rad -Y+Z	275,4	262,1	274,4
6732	Rad -Y+Z	288,1	274,7	287,1
6733	Rad -Y+Z	289,7	276,5	288,7
6734	Rad -Y+Z	290,2	276,6	289,1
6735	Rad -Y+Z	292,6	278,6	291,4
6736	Rad -Y+Z	290,8	277,3	289,6
6737	Rad -Y+Z	285,2	264,2	283,8
6738	Rad -Y+Z	283,8	265,3	282,5
6739	Rad -Y+Z	280,2	266,4	279,2
6740	Rad -Y+Z	282,2	268,7	281,2
6741	Rad -Y+Z	280,2	266,8	279,1
6742	Rad -Y+Z	270,8	257,9	269,9
6743	Rad -Y+Z	296,9	281,9	295,9
6744	Rad -Y+Z	302,4	286,7	301,4
6745	Rad -Y+Z	302,8	287,0	301,7
6746	Rad -Y+Z	301,9	286,3	300,8
6747	Rad -Y+Z	295,3	280,8	294,0
6748	Rad -Y+Z	292,7	279,1	291,4
6749	Rad -Y+Z	285,3	263,7	283,9
6750	Rad -Y+Z	273,0	293,0	273,0
6751	Rad -Y+Z	283,2	269,4	282,2
6752	Rad -Y+Z	284,9	271,0	283,8
6753	Rad -Y+Z	283,6	269,8	282,6
6754	Rad -Y+Z	271,7	258,7	270,7
6755	Rad -Y+Z	298,8	283,6	297,8
6756	Rad -Y+Z	301,2	285,6	300,1
6757	Rad -Y+Z	301,2	285,7	300,2
6758	Rad -Y+Z	299,8	284,5	298,8
6759	Rad -Y+Z	273,0	293,0	273,0
6760	Rad -Y+Z	293,5	279,9	292,1
6761	Rad -Y+Z	284,7	263,0	283,2
6762	Rad -Y+Z	273,0	293,0	273,0
6763	Rad -Y+Z	266,2	252,8	265,1



6764	Rad -Y+Z	266,7	253,5	265,5
6765	Rad -Y+Z	267,6	254,5	266,5
6766	Rad -Y+Z	270,9	257,6	269,8
6767	Rad -Y+Z	295,5	280,6	294,4
6768	Rad -Y+Z	298,6	283,4	297,6
6769	Rad -Y+Z	298,8	283,6	297,7
6770	Rad -Y+Z	296,8	281,8	295,8
6771	Rad -Y+Z	273,0	293,0	273,0
6772	Rad -Y+Z	293,9	280,5	292,4
7001	MLI SVM Top +Z	200,9	183,7	224,5
7002	MLI SVM Top +Z+Y	204,1	182,9	228,0
7003	MLI SVM Top +Y	203,3	182,5	227,3
7004	MLI SVM Top -Z+Y	205,8	188,0	228,9
7005	MLI SVM Top -Z	209,7	193,0	230,1
7006	MLI SVM Top -Z-Y	208,8	193,8	230,5
7007	MLI SVM Top -Y	205,1	194,5	228,6
7008	MLI SVM Top +Z-Y	204,6	192,9	228,5
7201	SVM Top Disc +Y+Z	210,8	192,0	235,0
7202	SVM Top Disc +Y+Z	209,6	191,2	233,9
7203	SVM Top Disc +Y+Z	209,4	191,3	233,3
7204	SVM Top Disc +Y+Z	209,1	191,0	232,7
7205	SVM Top Disc +Y+Z	208,9	191,3	232,6
7206	SVM Top Disc +Y+Z	208,6	190,7	232,2
7207	SVM Top Disc +Y+Z	207,5	189,1	231,2
7208	SVM Top Disc +Y+Z	207,1	188,6	230,8
7209	SVM Top Disc +Y+Z	207,8	189,9	230,8
7210	SVM Top Disc +Y+Z	208,1	190,2	230,9
7211	SVM Top Disc +Y+Z	208,2	190,3	231,8
7212	SVM Top Disc +Y+Z	208,8	190,5	232,1
7213	SVM Top Disc +Y+Z	209,1	190,7	232,5
7214	SVM Top Disc +Y+Z	210,0	190,1	232,9
7215	SVM Top Disc +Y+Z	209,8	190,5	232,7
7216	SVM Top Disc +Y+Z	209,9	185,5	232,6
7217	SVM Top Disc +Y+Z	211,3	187,5	232,7
7218	SVM Top Disc +Y+Z	210,4	186,3	232,8
7219	SVM Top Disc +Y+Z	238,1	209,9	249,3
7220	SVM Top Disc +Y+Z	210,8	187,1	233,2
7221	SVM Top Disc +Y+Z	238,4	210,5	249,5
7222	SVM Top Disc +Y+Z	217,1	192,5	239,6
7223	SVM Top Disc +Y+Z	219,9	194,3	240,7
7224	SVM Top Disc +Y+Z	218,3	193,3	240,9
7225	SVM Top Disc +Y+Z	218,9	193,4	240,4
7226	SVM Top Disc +Y+Z	217,1	192,2	240,1
7227	SVM Top Disc +Y+Z	220,8	199,2	236,4
7228	SVM Top Disc +Y+Z	210,8	193,1	234,1
7229	SVM Top Disc +Y+Z	206,0	188,7	224,7
7230	SVM Top Disc +Y+Z	209,3	194,5	232,0
7231	SVM Top Disc +Y+Z	208,9	194,6	231,7
7232	SVM Top Disc +Y+Z	207,6	193,8	231,2
7233	SVM Top Disc +Y+Z	207,7	193,4	231,4



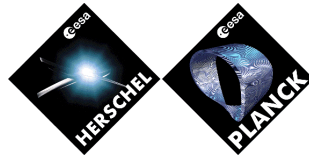
7234	SVM Top Disc +Y+Z	209,4	193,4	233,1
7235	SVM Top Disc +Y+Z	209,0	193,9	232,5
7236	SVM Top Disc +Y+Z	210,5	194,3	234,5
7237	SVM Top Disc +Y+Z	208,6	192,1	232,2
7238	SVM Top Disc +Y+Z	211,0	192,2	235,2
7239	SVM Top Disc +Y+Z	209,6	191,6	233,9
7245	SVM Top Disc MLI	202,8	186,4	220,6
7301	SVM Top Disc +Y+Z	300,3	271,5	298,1
7302	SVM Top Disc +Y+Z	299,2	271,0	297,0
7303	SVM Top Disc +Y+Z	298,7	270,9	296,4
7304	SVM Top Disc +Y+Z	295,9	268,9	293,7
7305	SVM Top Disc +Y+Z	297,1	270,1	294,8
7306	SVM Top Disc +Y+Z	296,4	269,0	294,1
7307	SVM Top Disc +Y+Z	295,6	267,8	293,3
7308	SVM Top Disc +Y+Z	295,1	266,8	292,8
7309	SVM Top Disc +Y+Z	292,9	266,1	290,8
7310	SVM Top Disc +Y+Z	292,7	266,4	290,6
7311	SVM Top Disc +Y+Z	296,0	269,6	293,7
7312	SVM Top Disc +Y+Z	296,3	269,5	294,0
7313	SVM Top Disc +Y+Z	296,2	269,5	293,9
7314	SVM Top Disc +Y+Z	295,8	266,7	293,5
7315	SVM Top Disc +Y+Z	295,7	267,3	293,4
7316	SVM Top Disc +Y+Z	292,6	255,7	290,6
7317	SVM Top Disc +Y+Z	292,3	256,4	290,3
7318	SVM Top Disc +Y+Z	290,9	254,5	288,9
7319	SVM Top Disc +Y+Z	290,9	254,9	288,9
7320	SVM Top Disc +Y+Z	291,0	254,7	289,1
7321	SVM Top Disc +Y+Z	291,2	255,3	289,2
7322	SVM Top Disc +Y+Z	298,2	261,7	295,9
7323	SVM Top Disc +Y+Z BEU	297,4	261,9	295,2
7324	SVM Top Disc +Y+Z	302,1	264,2	299,2
7325	SVM Top Disc +Y+Z	302,1	263,9	299,2
7326	SVM Top Disc +Y+Z	301,9	264,3	299,0
7327	SVM Top Disc +Y+Z PAU	299,1	262,4	296,3
7328	SVM Top Disc +Y+Z	297,8	271,3	295,3
7329	SVM Top Disc +Y+Z	277,8	253,6	275,8
7330	SVM Top Disc +Y+Z	294,0	272,3	291,8
7331	SVM Top Disc +Y+Z	293,4	272,7	291,2
7332	SVM Top Disc +Y+Z	295,1	274,3	292,9
7333	SVM Top Disc +Y+Z	295,4	274,0	293,2
7334	SVM Top Disc +Y+Z	296,9	273,1	294,6
7335	SVM Top Disc +Y+Z	296,0	273,5	293,8
7336	SVM Top Disc +Y+Z	298,7	272,2	296,4
7337	SVM Top Disc +Y+Z	295,8	271,3	293,6
7338	SVM Top Disc +Y+Z	300,3	271,7	298,1
7339	SVM Top Disc +Y+Z	299,1	271,3	297,0
7340	SVM Top Disc +Y+Z BEU	302,1	263,5	299,1
7341	SVM Top Disc +Y+Z PAU	265,8	242,0	264,1
7401	SVM Top Disc +Y+Z	300,4	271,5	298,3
7402	SVM Top Disc +Y+Z	299,3	271,1	297,2



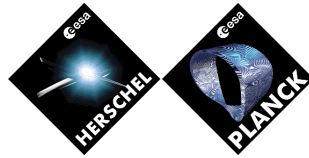
7403	SVM Top Disc +Y+Z	298,8	270,9	296,6
7404	SVM Top Disc +Y+Z	296,2	269,1	294,0
7405	SVM Top Disc +Y+Z	297,2	270,2	294,9
7406	SVM Top Disc +Y+Z	296,4	269,0	294,2
7407	SVM Top Disc +Y+Z	295,7	267,9	293,4
7408	SVM Top Disc +Y+Z	295,2	266,9	293,0
7409	SVM Top Disc +Y+Z	293,4	266,4	291,3
7410	SVM Top Disc +Y+Z	293,2	266,7	291,1
7411	SVM Top Disc +Y+Z	296,1	269,7	293,9
7412	SVM Top Disc +Y+Z	296,4	269,6	294,2
7413	SVM Top Disc +Y+Z	296,3	269,6	294,0
7414	SVM Top Disc +Y+Z	296,0	266,9	293,7
7415	SVM Top Disc +Y+Z	295,8	267,5	293,6
7416	SVM Top Disc +Y+Z	293,0	256,7	291,0
7417	SVM Top Disc +Y+Z	292,7	257,4	290,7
7418	SVM Top Disc +Y+Z	291,4	255,3	289,4
7419	SVM Top Disc +Y+Z	291,2	255,7	289,3
7420	SVM Top Disc +Y+Z	291,6	255,7	289,6
7421	SVM Top Disc +Y+Z	291,7	256,2	289,7
7422	SVM Top Disc +Y+Z	298,1	262,4	295,9
7423	SVM Top Disc +Y+Z	297,3	263,1	295,2
7424	SVM Top Disc +Y+Z	301,8	264,8	299,0
7425	SVM Top Disc +Y+Z	301,5	264,5	298,7
7426	SVM Top Disc +Y+Z	301,4	265,0	298,6
7427	SVM Top Disc +Y+Z	297,0	262,6	294,4
7428	SVM Top Disc +Y+Z	297,8	271,5	295,4
7429	SVM Top Disc +Y+Z	279,5	255,1	277,5
7430	SVM Top Disc +Y+Z	294,4	272,6	292,2
7431	SVM Top Disc +Y+Z	293,8	273,0	291,7
7432	SVM Top Disc +Y+Z	295,2	274,4	293,1
7433	SVM Top Disc +Y+Z	295,5	274,0	293,3
7434	SVM Top Disc +Y+Z	297,0	273,2	294,7
7435	SVM Top Disc +Y+Z	296,1	273,6	294,0
7436	SVM Top Disc +Y+Z	298,8	272,3	296,5
7437	SVM Top Disc +Y+Z	296,1	271,5	294,0
7438	SVM Top Disc +Y+Z	300,4	271,7	298,3
7439	SVM Top Disc +Y+Z	299,3	271,4	297,2
7440	SVM Top Disc +Y+Z BEU	301,9	263,5	299,0
7441	SVM Top Disc +Y+Z PAU	269,1	244,3	267,3
7445	SVM Top Disc	284,3	260,4	275,6
7520	MLI BEU INT	279,2	243,3	271,5
7521	MLI on BEU	213,2	187,8	227,8
7522	MLI on PAU	225,8	198,8	247,7
7601	SVM Top +Z	289,2	265,2	287,2
7602	SVM Top +Z	286,3	264,5	284,4
7603	SVM Top +Z	289,2	264,3	287,2
7604	SVM Top +Z	284,3	260,9	282,5
7605	SVM Top +Z	290,0	263,4	288,0
7606	SVM Top +Z	288,1	258,7	286,2
7607	SVM Top +Z	291,2	263,0	289,1



7608	SVM Top +Z	289,2	257,6	287,3
7611	SVM Top +Z+Y	293,4	261,6	291,3
7612	SVM Top +Z+Y	289,4	256,0	287,4
7613	SVM Top +Z+Y	293,8	261,0	291,6
7614	SVM Top +Z+Y	291,6	257,9	289,6
7615	SVM Top +Z+Y	294,0	262,0	291,9
7616	SVM Top +Z+Y	292,3	258,1	290,3
7617	SVM Top +Z+Y	293,9	261,9	291,8
7618	SVM Top +Z+Y	292,5	258,5	290,5
7621	SVM Top +Y	294,9	261,5	293,0
7622	SVM Top +Y	293,1	259,0	291,3
7623	SVM Top +Y	294,5	261,4	292,6
7624	SVM Top +Y	295,2	258,5	293,5
7625	SVM Top +Y	293,0	261,6	291,0
7626	SVM Top +Y	285,5	257,1	283,8
7627	SVM Top +Y	292,8	262,5	290,7
7628	SVM Top +Y	287,6	258,4	285,8
7631	SVM Top -Z+Y	294,2	266,5	291,9
7632	SVM Top -Z+Y	291,5	263,8	289,3
7633	SVM Top -Z+Y	294,3	267,3	292,0
7634	SVM Top -Z+Y	291,3	264,8	289,0
7635	SVM Top -Z+Y	294,2	267,7	291,9
7636	SVM Top -Z+Y	291,3	265,3	288,9
7637	SVM Top -Z+Y	293,9	268,0	291,6
7638	SVM Top -Z+Y	291,6	266,2	289,3
7641	SVM Top -Z	292,3	268,5	290,0
7642	SVM Top -Z	290,5	267,4	288,3
7643	SVM Top -Z	292,1	268,5	289,8
7644	SVM Top -Z	289,2	266,4	286,9
7645	SVM Top -Z	292,0	268,5	289,6
7646	SVM Top -Z	289,3	266,8	287,1
7647	SVM Top -Z	292,1	268,9	289,6
7648	SVM Top -Z	289,7	267,5	287,4
7651	SVM Top -Z-Y	293,7	270,9	291,3
7652	SVM Top -Z-Y	291,2	269,5	288,8
7653	SVM Top -Z-Y	294,0	271,7	291,6
7654	SVM Top -Z-Y	290,8	269,5	288,3
7655	SVM Top -Z-Y	294,2	272,2	291,8
7656	SVM Top -Z-Y	291,0	270,2	288,6
7657	SVM Top -Z-Y	294,8	273,8	292,5
7658	SVM Top -Z-Y	292,0	272,1	289,6
7661	SVM Top -Y	293,2	276,0	291,1
7662	SVM Top -Y	290,2	274,1	288,2
7663	SVM Top -Y	293,2	276,2	291,1
7664	SVM Top -Y	291,5	276,7	289,6
7665	SVM Top -Y	293,5	276,8	291,3
7666	SVM Top -Y	293,7	279,7	291,8
7667	SVM Top -Y	293,8	277,2	291,7
7668	SVM Top -Y	294,2	279,9	292,2
7671	SVM Top +Z-Y	295,3	277,7	293,2



7672	SVM Top +Z-Y	298,1	282,0	296,3
7673	SVM Top +Z-Y	294,4	276,8	292,5
7674	SVM Top +Z-Y	296,4	280,2	294,7
7675	SVM Top +Z-Y	292,7	274,7	290,8
7676	SVM Top +Z-Y	286,5	270,5	284,9
7677	SVM Top +Z-Y	291,8	272,7	289,8
7678	SVM Top +Z-Y	284,8	268,3	283,1
8001	Solar Array vs, space -X	391,2	381,3	390,6
8002	Solar Array vs, space-X	391,6	379,9	391,0
8003	Solar Array vs, space -X	391,0	380,6	390,4
8004	Solar Array vs, space -X	390,9	381,3	390,3
8011	HP11 vert vapor	268,4	247,8	268,4
8012	HP12 vert vapor	268,4	247,8	268,4
8013	HP13 vert vapor	268,4	247,8	268,4
8014	HP14 vert vapor	268,4	247,8	268,4
8015	HP15 vert vapor	268,4	247,8	268,4
8016	HP16 vert vapor	268,4	247,8	268,4
8017	HP17 vert vapor	268,4	247,8	268,4
8018	HP18 vert vapor	268,4	247,8	268,4
8019	HP19 vert vapor	268,4	247,8	268,4
8020	HP20 vert vapor	268,4	247,8	268,4
8021	HP21 vert vapor	268,4	247,8	268,4
8022	HP22 vert vapor	268,4	247,8	268,4
8023	HP23 vert vapor	268,4	247,8	268,4
8024	HP24 vert vapor	268,4	247,8	268,4
8025	HP25 vert vapor	268,4	247,8	268,4
8051	Solar Array vs, space -X	391,0	381,1	390,2
8052	Solar Array vs, space +X	391,3	379,7	390,6
8053	Solar Array vs, space +X	390,8	380,3	390,0
8054	Solar Array vs, space +X	390,7	381,1	389,9
8061	HP61 vert vapor	260,8	248,9	260,8
8062	HP62 vert vapor	260,8	248,9	260,8
8063	HP63 vert vapor	260,8	248,9	260,8
8064	HP64 vert vapor	260,8	248,9	260,8
8065	HP65 vert vapor	260,8	248,9	260,8
8066	HP66 vert vapor	260,8	248,9	260,8
8067	HP67 vert vapor	260,8	248,9	260,8
8068	HP68 vert vapor	260,8	248,9	260,8
8069	HP69 vert vapor	260,8	248,9	260,8
8070	HP70 vert vapor	260,8	248,9	260,8
8071	HP71 vert vapor	260,8	248,9	260,8
8072	HP72 vert vapor	260,8	248,9	260,8
8073	HP73 vert vapor	260,8	248,9	260,8
8074	HP74 vert vapor	260,8	248,9	260,8
8075	HP75 vert vapor	260,8	248,9	260,8
8101	MLI Solar Array vs, sate	284,2	278,4	314,3
8102	MLI Solar Array vs, sate	285,9	277,0	315,2
8103	MLI Solar Array vs, sate	285,1	277,5	314,5
8104	MLI Solar Array vs, sate	284,2	279,9	314,1
8301	Central Solar Array -X	394,7	387,7	394,7



8302	Central Solar Array -X	394,5	387,6	394,5
8303	Central Solar Array -X	394,6	387,4	394,6
8304	Central Solar Array -X	394,9	387,7	394,9
8351	Central Solar Array +X	394,5	387,5	394,5
8352	Central Solar Array +X	394,3	387,3	394,3
8353	Central Solar Array +X	394,4	387,2	394,4
8354	Central Solar Array +X	394,7	387,5	394,7
8401	MLI Central Solar Array	324,0	306,0	322,9
8402	MLI Central Solar Array	323,8	306,2	322,6
8403	MLI Central Solar Array	324,5	307,7	323,3
8404	MLI Central Solar Array	324,0	307,5	323,0
8501	NOZZLE 1	486,9	179,0	486,9
8502	1DECOMP, CHAMBER	492,1	179,1	492,2
8503	DECOMP, COVER 1	413,6	177,1	413,7
8504	1HEAD PLATE	468,4	178,8	468,5
8505	1TITAN WASHER	472,7	178,9	472,7
8506	1HEAT BARR, FLG,	293,4	284,1	293,4
8507	1FCV FLANGE	293,4	284,6	293,4
8508	1FCV BODY	293,7	285,6	293,7
8512	HEAT BARRIER 1	293,9	278,2	293,9
8513	HEAT BARRIER 1	302,7	266,5	302,8
8514	HEAT BARRIER 1	315,2	260,5	315,2
8530	1HEAD PLATE	472,0	178,9	472,0
8531	1HEAD PLATE	453,3	178,6	453,3
8532	1HEAD PLATE	452,8	178,6	452,9
8533	DECOMP, COVER 1	452,6	178,6	452,7
8534	1HEAD PLATE	463,7	178,8	463,7
8550	1HEAT SOURCE	488,1	179,1	488,1
8561	RCT PLATE	293,2	284,2	293,2
8601	NOZZLE 1	200,1	179,6	200,4
8602	1DECOMP, CHAMBER	200,2	179,7	200,5
8603	DECOMP, COVER 1	198,4	177,7	198,7
8604	1HEAD PLATE	199,9	179,4	200,3
8605	1TITAN WASHER	200,0	179,4	200,3
8606	1HEAT BARR, FLG,	292,6	284,0	292,6
8607	1FCV FLANGE	293,3	284,6	293,3
8608	1FCV BODY	293,6	285,6	293,7
8612	HEAT BARRIER 1	285,2	276,7	285,2
8613	HEAT BARRIER 1	268,6	260,4	268,7
8614	HEAT BARRIER 1	263,9	255,6	263,9
8630	1HEAD PLATE	200,0	179,4	200,3
8631	1HEAD PLATE	199,8	179,2	200,1
8632	1HEAD PLATE	199,8	179,1	200,1
8633	DECOMP, COVER 1	199,7	179,1	200,1
8634	1HEAD PLATE	199,9	179,3	200,2
8650	1HEAT SOURCE	200,1	179,6	200,5
8701	NOZZLE 1	487,5	186,1	487,5
8702	1DECOMP, CHAMBER	492,8	186,2	492,8
8703	DECOMP, COVER 1	414,4	184,1	414,4
8704	1HEAD PLATE	469,2	185,9	469,1



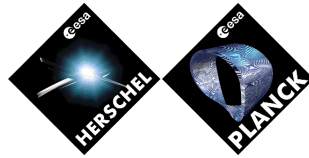
8705	1TITAN WASHER	473,4	185,9	473,4
8706	1HEAT BARR, FLG,	295,3	284,7	294,0
8707	1FCV FLANGE	295,3	285,2	293,9
8708	1FCV BODY	295,3	285,6	294,0
8712	HEAT BARRIER 1	295,7	279,1	294,6
8713	HEAT BARRIER 1	304,6	267,8	303,7
8714	HEAT BARRIER 1	316,9	261,9	316,2
8730	1HEAD PLATE	472,7	185,9	472,7
8731	1HEAD PLATE	454,1	185,7	454,0
8732	1HEAD PLATE	453,6	185,7	453,6
8733	DECOMP, COVER 1	453,4	185,7	453,4
8734	1HEAD PLATE	464,4	185,8	464,4
8750	1HEAT SOURCE	488,8	186,1	488,8
8761	RCT PLATE	295,2	285,1	293,9
8801	NOZZLE 1	204,5	186,1	204,5
8802	1DECOMP, CHAMBER	204,6	186,2	204,6
8803	DECOMP, COVER 1	202,7	184,1	202,7
8804	1HEAD PLATE	204,3	185,9	204,3
8805	1TITAN WASHER	204,4	186,0	204,4
8806	1HEAT BARR, FLG,	294,6	284,7	293,3
8807	1FCV FLANGE	295,2	285,2	293,8
8808	1FCV BODY	295,1	285,6	293,8
8812	HEAT BARRIER 1	288,7	279,1	287,5
8813	HEAT BARRIER 1	277,1	267,7	276,1
8814	HEAT BARRIER 1	271,1	261,9	270,2
8830	1HEAD PLATE	204,4	186,0	204,4
8831	1HEAD PLATE	204,2	185,7	204,2
8832	1HEAD PLATE	204,2	185,7	204,2
8833	DECOMP, COVER 1	204,2	185,7	204,2
8834	1HEAD PLATE	204,3	185,9	204,3
8850	1HEAT SOURCE	204,5	186,2	204,5
9205	MLI Rad +Y	297,1	261,5	296,0
9206	MLI Rad +Y	297,3	260,8	296,3
9300	MLI on SCC1 Rad +Y-Z	289,4	263,1	288,0
9301	MLI Int Rad +Y-Z	284,9	264,1	283,7
9306	MLI Int Rad +Y-Z	277,7	246,8	276,8
9307	MLI Int Rad +Y-Z	284,7	263,3	283,4
9312	MLI Int Rad +Y-Z	279,2	245,7	278,3
9313	MLI Int Rad +Y-Z	284,4	262,7	283,1
9318	MLI Int Rad +Y-Z	279,3	244,0	278,2
9319	MLI Int Rad +Y-Z	284,1	262,4	282,8
9324	MLI Int Rad +Y-Z	280,5	249,4	279,5
9325	MLI Int Rad +Y-Z	283,6	262,0	282,2
9330	MLI Int Rad +Y-Z	278,8	249,9	277,7
9331	MLI Int Rad +Y-Z	283,4	261,9	282,0
9336	MLI Int Rad +Y-Z	276,8	250,2	275,6
9337	MLI Int Rad +Y-Z	283,4	261,8	282,0
9342	MLI Int Rad +Y-Z	276,1	250,4	274,8
9343	MLI Int Rad +Y-Z	283,5	261,9	282,0
9348	MLI Int Rad +Y-Z	275,8	250,2	274,4



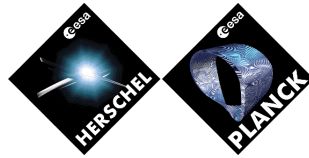
9400	MLI Rad -Z	280,6	259,8	279,5
9500	MLI on SCC2 Rad -Y-Z	287,0	267,6	285,5
9501	MLI Int Rad -Y-Z	272,8	258,6	271,6
9506	MLI Int Rad -Y-Z	283,1	263,4	281,8
9507	MLI Int Rad -Y-Z	273,3	258,1	272,1
9512	MLI Int Rad -Y-Z	283,1	263,2	281,8
9513	MLI Int Rad -Y-Z	273,6	257,1	272,3
9518	MLI Int Rad -Y-Z	282,9	263,1	281,6
9519	MLI Int Rad -Y-Z	277,6	262,5	276,3
9524	MLI Int Rad -Y-Z	282,8	262,8	281,4
9525	MLI Int Rad -Y-Z	277,8	262,7	276,4
9530	MLI Int Rad -Y-Z	282,5	262,8	281,1
9531	MLI Int Rad -Y-Z	277,9	262,9	276,5
9536	MLI Int Rad -Y-Z	282,5	262,6	281,0
9537	MLI Int Rad -Y-Z	278,1	263,0	276,6
9542	MLI Int Rad -Y-Z	282,5	262,7	280,9
9543	MLI Int Rad -Y-Z	278,2	263,1	276,7
9548	MLI Int Rad -Y-Z	282,4	262,5	280,8
9604	MLI Rad -Y	289,2	274,1	288,0
9605	MLI Rad -Y	290,8	275,1	289,5
9644	MLI Rad -Y	292,3	277,3	290,6
9713	MLI Int -Y+Z	290,3	267,9	289,0
9714	MLI Int -Y+Z	288,9	266,8	287,7
9723	MLI Int -Y+Z	292,0	278,0	290,8
9750	MLI Int -Y+Z	286,6	266,1	285,3
9759	MLI Int -Y+Z	294,6	280,0	293,2
9762	MLI Int -Y+Z	286,3	265,7	284,8
9771	MLI Int -Y+Z	294,0	279,1	292,5
9920	MLI P Tank +Y+Z Lower	297,7	275,9	295,9
9925	P Tank -Z Lower	297,2	276,0	295,4
9930	P Tank -Y+Z Lower	297,5	278,1	295,8
10000	SVM interface	300,0	300,0	300,0
10021	I/F PLM/SVM strut1	288,6	264,6	286,7
10022	I/F PLM/SVM strut2	289,6	264,3	287,6
10023	I/F PLM/SVM strut3	285,4	252,7	283,7
10024	I/F PLM/SVM strut4	290,4	258,1	288,5
10025	I/F PLM/SVM strut5	290,5	270,5	288,4
10026	I/F PLM/SVM strut6	288,6	266,9	286,7
13001	WG_BEU_VG1_Ti	246,6	217,1	246,5
13002	WG_BEU_VG1	182,7	157,9	185,5
13003	WG_VG1_VG2	141,6	119,5	145,6
13004	WG_VG1_VG2	128,4	108,6	131,7
13005	WG_VG1_VG2	116,5	98,2	119,4
13006	WG_VG1_VG2	105,0	87,7	107,5
13007	WG_VG2_VG3	93,9	77,6	95,9
13008	WG_VG2_VG3	84,1	68,4	85,8
13009	WG_VG2_VG3	74,4	58,8	75,7
13010	WG_VG2_VG3	64,3	48,4	65,2
13011	WG_SS	55,4	42,1	56,0
13012	WG_SS	48,2	41,3	48,6



13013	WG_SS	40,0	40,5	40,4
13014	WG_SS	29,7	39,8	29,9
13015	WG_Cu	22,2	39,5	22,3
13016	WG_Cu	22,1	39,5	22,1
13017	WG_Cu	22,0	39,5	22,0
13018	WG_Cu	21,9	39,5	21,9
13100	I/F_WG_VG1	149,6	125,6	154,0
13200	I/F_WG_VG2	99,1	82,2	101,4
13300	I/F_WG_VG3	58,9	42,6	59,6
13500	I/F_WG_ss_cu	22,3	39,5	22,3
15001	Harnes_BEUVG1	242,9	216,5	242,6
15002	Harnes_BEUVG1	191,1	171,7	192,2
15003	Harnes_VG1_VG2	158,0	143,1	159,1
15004	Harnes_VG1_VG2	143,2	130,0	144,4
15005	Harnes_VG1_VG2	131,2	119,2	132,4
15006	Harnes_VG1_VG2	121,0	110,1	122,1
15007	Harnes_VG2_VG3	109,8	100,4	110,8
15008	Harnes_VG2_VG3	99,5	91,5	100,3
15009	Harnes_VG2_VG3	91,1	84,3	91,8
15010	Harnes_VG2_VG3	84,0	78,4	84,7
15011	Harnes_VG3_TOP	76,4	72,1	76,8
15012	Harnes_VG3_TOP	69,1	66,4	69,5
15013	Harnes_VG3_TOP	63,4	62,0	63,8
15014	Harnes_VG3_TOP	58,8	58,5	59,0
15015	Harnes_TOP_bend	55,0	55,8	55,2
15016	Harnes_TOP_bend	51,9	53,6	52,1
15017	Harnes_TOP_bend	49,1	51,7	49,3
15018	harness_bend	46,5	50,1	46,7
15019	harness_bend	44,1	48,6	44,2
15020	harness_bend	41,8	47,3	41,9
15021	harness_bend	39,6	46,2	39,7
15022	harness_bend	37,5	45,1	37,6
15023	harness_bend	35,5	44,2	35,6
15024	harness_bend	33,6	43,4	33,6
15025	harness_bend	31,7	42,6	31,7
15026	harness_bend	29,8	41,9	29,9
15027	harness_bend	28,0	41,3	28,1
15028	harness_bend_FPU	26,2	40,7	26,2
15029	harness_bend_FPU	24,4	40,2	24,4
15030	harness_bend_FPU	22,6	39,7	22,6
15101	I/F_Hr_VG1	167,7	151,5	168,8
15201	I/F_Hr_VG2	116,4	106,0	117,4
15301	I/F_Hr_VG3	80,9	75,8	81,5
15450	I/F_Hr_VG3-ss_cu	66,2	64,1	66,5
15501	I/F_Hr_ss_cu	56,7	57,0	56,9
16301	Block 4	4,7	39,1	4,7
16441	Block 4	4,7	39,1	4,7
16701	Block 4	4,7	39,1	4,7
16702	Block 4	4,7	39,1	4,7
16707	Block 4	4,7	39,1	4,7



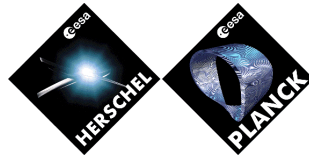
16708	Block 4	4,7	39,1	4,7
16709	Block 4	4,7	39,1	4,7
18001	Tube_BEU_VG1	261,2	233,9	260,5
18002	Tube_BEU_VG1	196,7	176,9	197,8
18003	Tube_VG1_VG2	152,4	137,6	154,1
18004	Tube_VG1_VG2	131,0	117,5	132,7
18005	Tube_VG1_VG2	116,8	103,0	118,7
18006	Tube_VG1_VG2	104,4	89,4	106,4
18007	Tube_VG2_VG3	91,6	77,0	93,4
18008	Tube_VG2_VG3	80,3	67,1	81,7
18009	Tube_VG2_VG3	71,1	57,9	72,1
18010	Tube_VG2_VG3	63,0	48,5	63,9
18011	Tube_VG3_TOP	54,6	42,4	55,1
18012	Tube_VG3_TOP	47,8	41,4	48,2
18013	Tube_VG3_TOP	40,9	40,4	41,2
18014	Tube_VG3_TOP	32,1	39,3	32,3
18015	Tube_TOP_END	23,1	39,5	23,1
18090	I/F_Ti_GFRP	259,9	232,8	259,2
18100	FLANGE_Thermal_Braid_VG1	169,0	152,1	171,1
18101	I/F_Column_FLANGE_Therma	170,3	153,2	172,1
18110	Panels_VG1	158,1	140,7	161,6
18200	FLANGE_Thermal_Braid_VG2	99,1	82,2	101,4
18201	I/F_Column_FLANGE_Therma	99,1	82,9	101,3
18210	Panels_VG2	97,3	83,4	99,5
18300	FLANGE_Thermal_Braid_VG3	58,9	42,6	59,6
18301	I/F_Column_FLANGE_Therma	59,1	43,3	59,8
18310	Panels_VG3	60,5	45,9	61,4
18410	Panels_Plane_VG3	53,2	41,5	53,7
18450	I/F_Column_VG3-ss_cu	44,7	41,2	45,1
18500	FLANGE_SS_CU	22,3	39,5	22,3
18501	I/F_Column_FLANGE_Therma	23,0	39,5	23,1
18510	Panel_plaine_TOP	29,4	38,2	29,6
29020	Harness2	278,5	277,4	278,5
29030	Harness3	254,9	252,5	254,9
29040	Harness4	229,1	225,1	229,2
29050	Harness5	201,2	195,5	201,3
29060	Harness6	171,4	163,8	171,5
29070	Harness7	140,4	131,3	140,6
29080	Harness8	109,6	99,2	109,8
29090	Harness9	79,8	68,5	80,1
29100	Harness_3rd_Gr	50,8	37,4	51,2
29120	Harness2	278,6	277,3	278,7
29130	Harness3	255,3	252,4	255,4
29140	Harness4	229,8	225,1	229,9
29150	Harness5	202,1	195,4	202,3



29160	Harness6	172,6	163,8	172,8
29170	Harness7	142,0	131,2	142,2
29180	Harness8	111,3	99,1	111,6
29190	Harness9	81,7	68,3	82,0
29200	Harness_3rd_Gr	53,0	37,3	53,4
30000	Baffle +Y ext	47,2	37,5	47,5
30001	Baffle -Z ext	49,2	37,0	49,5
30002	Baffle -Z ext	48,0	36,9	48,2
30003	Baffle +Z ext	48,9	37,0	49,2
30004	Baffle +Z ext	47,9	36,9	48,1
30005	Baffle -Y ext	49,0	37,0	49,3
30500	Baffle +Y int	47,3	37,5	47,5
30501	Baffle -Z int	49,2	37,0	49,5
30502	Baffle -Z int	48,0	36,9	48,2
30503	Baffle +Z int	48,9	37,0	49,2
30504	Baffle +Z int	47,9	36,9	48,1
30505	Baffle -Y int	49,0	37,0	49,3
31000	Main panel -Z low +Y	52,1	40,4	52,2
31001	Main panel -Z low +Y	47,7	38,1	47,9
31002	Main panel -Z low +Y	45,4	37,4	45,6
31003	Main panel -Z low +Y	47,5	38,1	47,7
31005	Main panel -Z +Y	47,2	37,8	47,4
31006	Main panel -Z +Y	47,2	38,0	47,4
31007	Main panel -Z +Y	47,4	37,3	47,6
31008	Main panel -Z +Y	47,8	38,2	48,0
31009	Main panel -Z +Y	48,3	37,0	48,5
31010	Main panel -Z low -Y	47,1	37,7	47,2
31011	Main panel -Z low -Y	46,3	37,4	46,5
31012	Main panel -Z low -Y	45,4	37,4	45,6
31013	Main panel -Z low -Y	46,4	37,5	46,6
31015	Main panel -Z -Y	46,4	37,2	46,5
31016	Main panel -Z -Y	46,5	37,6	46,7
31017	Main panel -Z -Y	47,1	37,0	47,3
31018	Main panel -Z -Y	47,5	38,0	47,6
31019	Main panel -Z -Y	48,2	37,0	48,5
31020	Main panel -Z	49,9	39,2	50,1
31021	Main panel -Z	52,2	40,6	52,4
31022	Main panel -Z	49,9	39,3	50,1
31023	Main panel -Z	53,5	41,3	53,7
31024	Main panel -Z Top +Y	45,1	36,0	45,3
31025	Main panel -Z Top	45,1	36,1	45,3
31026	Main panel -Z Top -Y	45,1	36,0	45,3
31027	Main panel -Z Top +Y	43,3	35,3	43,4
31028	Main panel -Z Top	43,1	35,3	43,2
31029	Main panel -Z Top -Y	43,3	35,3	43,4
31030	Main panel -Z Top +Y	42,5	35,0	42,6
31031	Main panel -Z low +Y	42,2	34,9	42,3
31032	Main panel -Z Top -Y	42,5	35,0	42,6
31033	Main panel -Z Top	41,8	34,7	41,9
31100	Main panel +Z low +Y	51,7	40,3	51,9



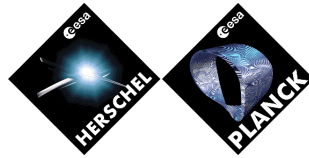
31101	Main panel +Z low +Y	47,7	38,1	47,9
31102	Main panel +Z low +Y	45,6	37,4	45,8
31103	Main panel +Z low +Y	47,5	38,1	47,7
31105	Main panel +Z +Y	47,2	37,8	47,4
31106	Main Panel +Z medium +Y	47,3	38,0	47,4
31107	Main panel +Z medium +Y	47,4	37,3	47,6
31108	Main panel +Z medium +Y	47,8	38,2	48,0
31109	Main panel +Z +Y	48,3	37,0	48,5
31110	Main panel +Z low -Y	47,0	37,7	47,2
31111	Main panel +Z low -Y	46,3	37,5	46,5
31112	Main panel +Z low -Y	45,5	37,4	45,7
31113	Main panel +Z low -Y	46,4	37,5	46,6
31115	Main panel +Z -Y	46,4	37,2	46,6
31116	Main panel +Z medium -Y	46,5	37,6	46,7
31117	Main panel +Z medium -Y	47,1	37,0	47,3
31118	Main panel +Z medium -Y	47,4	38,0	47,6
31119	Main panel +Z -Y	48,3	37,0	48,5
31120	Main panel top +Z +Y	49,9	39,2	50,0
31121	Main panel top +Z	52,2	40,6	52,4
31122	Main panel top +Z -Y	49,9	39,3	50,0
31123	Main panel top +Z	53,4	41,3	53,6
31124	Main panel +Z Top +Y	45,1	36,0	45,3
31125	Main panel +Z Top	45,1	36,1	45,3
31126	Main panel +Z Top -Y	45,1	36,0	45,3
31127	Main panel +Z Top +Y	43,3	35,3	43,4
31128	Main panel +Z Top	43,1	35,3	43,3
31129	Main panel +Z Top -Y	43,3	35,3	43,4
31130	Main panel +Z Top +Y	42,5	35,0	42,7
31131	Main panel +Z low +Y	42,2	34,9	42,4
31132	Main panel +Z Top -Y	42,5	35,0	42,7
31133	Main panel +Z Top	41,8	34,7	41,9
31203	Doubler panel -Z low +Y	47,5	38,1	47,7
31206	Doubler panel -Z medium	47,2	38,0	47,4
31208	Doubler panel -Z medium	47,8	38,2	48,0
31213	Doubler panel -Z low -Y	46,4	37,6	46,6
31216	Doubler panel -Z medium	46,5	37,6	46,7
31218	Doubler panel -Z medium	47,5	38,0	47,6
31220	Doubler panel top -Z +Y	49,9	39,3	50,1
31221	Doubler panel top -Z	52,2	40,7	52,4
31222	Doubler panel top -Z +Y	50,0	39,3	50,1
31223	Doubler panel top -Z	53,8	41,5	53,9
31303	Doubler panel +Z low +Y	47,5	38,1	47,7
31306	Doubler panel +Z medium	47,2	38,0	47,4
31308	Doubler panel +Z medium	47,8	38,2	48,0
31313	Doubler panel +Z low -Y	46,4	37,5	46,6
31316	Doubler panel +Z medium	46,5	37,6	46,7
31318	Doubler panel +Z medium	47,5	38,0	47,6
31320	Doubler panel top +Z +Y	49,9	39,2	50,1
31321	Doubler panel top +Z	52,2	40,6	52,4
31322	Doubler panel top +Z -Y	49,9	39,3	50,1



31323	Doubler panel top +Z	53,5	41,3	53,7
31400	Dismountable panel face	45,3	37,4	45,5
31401	Dismountable panel face	45,4	37,4	45,6
31500	Triangle Panel down , ,	45,1	36,0	45,2
31501	Triangle Panel up , ,	45,1	36,0	45,3
31600	strut - Y panel ,	45,2	35,7	45,4
31601	strut - Y panel ,	45,0	35,5	45,2
31602	strut - Y panel ,	44,8	35,4	45,1
31603	strut - Y panel ,	44,9	35,4	45,1
31604	strut - Y panel ,	45,0	35,5	45,2
31605	strut - Y panel ,	45,3	35,6	45,5
31606	strut - Y panel ,	45,8	35,8	46,0
31607	strut - Y panel ,	46,4	36,1	46,6
31608	strut - Y panel ,	47,1	36,4	47,3
31609	strut - Y panel ,	48,0	36,9	48,3
31610	strut + Y panel ,	45,2	35,5	45,4
31611	strut + Y panel ,	45,0	35,4	45,2
31612	strut + Y panel ,	44,9	35,4	45,1
31613	strut + Y panel ,	44,9	35,4	45,1
31614	strut + Y panel ,	45,1	35,4	45,3
31615	strut + Y panel ,	45,4	35,6	45,6
31616	strut + Y panel ,	45,8	35,8	46,0
31617	strut + Y panel ,	46,4	36,1	46,6
31618	strut + Y panel ,	47,2	36,4	47,4
31619	strut + Y panel ,	48,1	36,9	48,3
31620	Bottom strut panel , ,	44,1	36,4	44,3
31621	Bottom strut panel , ,	44,1	36,5	44,3
31622	Bottom strut panel , ,	44,2	36,6	44,4
31623	Bottom strut panel , ,	44,3	36,6	44,5
31624	Bottom strut panel , ,	44,4	36,7	44,5
31625	Bottom strut panel , ,	44,5	36,8	44,7
31626	Bottom strut panel , ,	44,6	36,9	44,8
31627	Bottom strut panel , ,	44,8	37,0	45,0
31628	Bottom strut panel , ,	45,0	37,1	45,1
31629	Bottom strut panel , ,	45,2	37,3	45,3
31630	Back strut panel , ,	43,8	36,0	44,0
31631	Back strut panel , ,	43,1	35,6	43,3
31632	Back strut panel , ,	42,6	35,2	42,8
31633	Back strut panel , ,	42,3	35,0	42,5
31634	Back strut panel , ,	42,2	34,8	42,4
31635	Back strut panel , ,	42,3	34,8	42,5
31636	Back strut panel , ,	42,7	34,9	42,8
31637	Back strut panel , ,	43,2	35,1	43,4
31638	Back strut panel , ,	43,9	35,5	44,1
31639	Back strut panel , ,	44,9	35,9	45,0
31640	top strut panel , ,	44,9	35,9	45,0
31641	top strut panel , ,	43,9	35,4	44,1
31642	top strut panel , ,	43,2	35,1	43,3
31643	top strut panel , ,	42,5	34,8	42,7
31644	top strut panel , ,	42,0	34,6	42,2



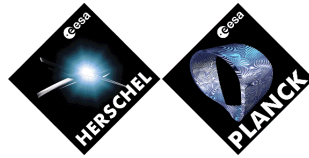
31645	top strut panel , ,	41,7	34,4	41,8
31646	top strut panel , ,	41,5	34,4	41,6
31647	top strut panel , ,	41,4	34,4	41,6
31648	top strut panel , ,	41,5	34,4	41,6
31649	top strut panel , ,	41,7	34,6	41,9
31700	SR panel +Z low	45,9	36,4	46,1
31701	SR panel +Z low	46,5	36,6	46,7
31702	SR panel +Z low	45,9	36,4	46,1
31703	SR panel +Z low	46,1	36,5	46,3
31704	SR panel +Z medium	46,0	36,4	46,2
31705	SR panel +Z medium2	46,0	36,4	46,2
31706	SR panel +Z Top	46,0	36,4	46,3
31710	SR panel -Z low	45,9	36,4	46,1
31711	SR panel -Z low	46,5	36,6	46,7
31712	SR panel -Z low	45,9	36,4	46,1
31713	SR panel -Z low	46,1	36,5	46,3
31714	SR panel -Z medium	46,0	36,4	46,2
31715	SR panel -Z medium2	46,0	36,4	46,2
31716	SR panel -Z top	46,0	36,4	46,2
31800	strut + Y panel ,	45,6	35,8	45,9
31801	strut + Y panel ,	45,6	35,8	45,8
31802	strut + Y panel ,	45,6	35,8	45,8
31803	strut + Y panel ,	45,5	35,8	45,7
31804	strut + Y panel ,	45,5	35,9	45,7
31805	strut + Y panel ,	45,5	35,9	45,7
31806	strut + Y panel ,	45,5	36,0	45,8
31807	strut + Y panel ,	45,6	36,1	45,8
31808	strut + Y panel ,	45,7	36,2	45,9
31809	strut + Y panel ,	45,8	36,3	46,0
31810	strut - Y panel ,	45,6	35,9	45,9
31811	strut - Y panel ,	45,6	36,0	45,9
31812	strut - Y panel ,	45,7	36,0	45,9
31813	strut - Y panel ,	45,7	36,0	45,9
31814	strut - Y panel ,	45,7	36,1	45,9
31815	strut - Y panel ,	45,8	36,1	46,0
31816	strut - Y panel ,	45,9	36,2	46,1
31817	strut - Y panel ,	46,0	36,3	46,2
31818	strut - Y panel ,	46,2	36,4	46,4
31819	strut - Y panel ,	46,4	36,5	46,6
31901	brac_strut+Y	231,1	194,9	231,1
31902	brac_strut+Y	186,0	154,2	188,1
31903	brac_strut+Y	162,6	134,9	166,2
31904	brac_strut+Y	149,7	125,8	154,5
31905	brac_strut+Y	142,9	121,5	148,5
31906	brac_strut+Y	139,6	119,8	145,6
31907	brac_strut+Y	138,3	119,3	144,6
31908	brac_strut+Y	138,6	119,5	144,7
31909	brac_strut+Y	140,1	120,0	146,0
31910	brac_strut+Y	142,7	120,0	148,0
31911	brac_strut-Y	237,8	201,6	238,2



31912	brac_strut-Y	195,4	163,3	198,2
31913	brac_strut-Y	173,8	145,9	178,4
31914	brac_strut-Y	162,5	137,9	168,5
31915	brac_strut-Y	156,5	134,3	163,2
31916	brac_strut-Y	153,2	132,6	160,4
31917	brac_strut-Y	151,4	131,9	158,8
31918	brac_strut-Y	150,2	131,3	157,4
31919	brac_strut-Y	148,4	129,9	155,3
31920	brac_strut-Y	145,1	125,7	151,2
31951	brac_CFRP+Y	49,7	36,7	50,0
31952	brac_CFRP+Y	49,2	36,6	49,5
31953	brac_CFRP+Y	48,8	36,5	49,1
31954	brac_CFRP+Y	48,3	36,4	48,6
31955	brac_CFRP+Y	47,9	36,4	48,1
31956	brac_CFRP+Y	47,4	36,3	47,7
31957	brac_CFRP+Y	47,0	36,2	47,2
31958	brac_CFRP+Y	46,5	36,1	46,8
31959	brac_CFRP+Y	46,1	36,1	46,3
31960	brac_CFRP+Y	45,7	36,0	45,9
31961	brac_CFRP-Y	49,3	37,5	49,6
31962	brac_CFRP-Y	49,1	37,6	49,3
31963	brac_CFRP-Y	48,8	37,6	49,1
31964	brac_CFRP-Y	48,5	37,6	48,8
31965	brac_CFRP-Y	48,3	37,7	48,5
31966	brac_CFRP-Y	48,0	37,7	48,3
31967	brac_CFRP-Y	47,8	37,8	48,1
31968	brac_CFRP-Y	47,6	37,9	47,8
31969	brac_CFRP-Y	47,4	37,9	47,6
31970	brac_CFRP-Y	47,2	38,0	47,4
32001	strut 1 - Y (+Z)	216,1	192,4	216,8
32002	strut 1 - Y (+Z)	175,1	152,7	178,0
32003	strut 1 - Y (+Z)	153,8	134,2	158,3
32004	strut 1 - Y (+Z)	141,4	124,5	147,2
32005	strut 1 - Y (+Z)	133,7	118,9	140,4
32006	strut 1 - Y (+Z)	128,5	114,9	135,7
32007	strut 1 - Y (+Z)	123,9	111,4	131,0
32008	strut 1 - Y (+Z)	118,9	106,7	125,4
32009	strut 1 - Y (+Z)	121,9	110,4	128,3
32010	strut 1 - Y (+Z)	118,8	106,6	125,3
32011	strut 1 - Y (+Z)	108,4	94,9	113,5
32012	strut 1 - Y (+Z)	100,6	86,8	104,8
32013	strut 1 - Y (+Z)	94,5	80,9	98,1
32014	strut 1 - Y (+Z)	89,4	76,3	92,5
32015	strut 1 - Y (+Z)	85,0	72,3	87,6
32016	strut 1 - Y (+Z)	80,6	68,4	82,7
32017	strut 1 - Y (+Z)	81,7	69,4	83,7
32018	strut 1 - Y (+Z)	80,6	68,4	82,6
32019	strut 1 - Y (+Z)	73,7	61,2	75,4
32020	strut 1 - Y (+Z)	67,9	55,4	69,3
32021	strut 1 - Y (+Z)	62,5	50,2	63,6



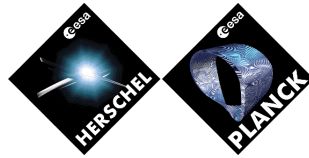
32022	strut 1 - Y (+Z)	57,3	45,1	58,1
32023	strut 1 - Y (+Z)	51,8	39,6	52,2
32024	strut 1 - Y (+Z)	49,6	37,1	49,9
32025	strut 1 - Y (+Z)	51,7	39,6	52,2
32026	strut 1 - Y (+Z)	50,4	38,8	50,8
32027	strut 1 - Y (+Z)	49,2	38,2	49,5
32028	strut 1 - Y (+Z)	48,0	37,6	48,3
32029	strut 1 - Y (+Z)	46,8	37,1	47,1
32030	strut 1 - Y (+Z)	45,7	36,7	45,9
32031	eccofoam strut 1 - Y (+Z)	213,0	189,4	213,8
32032	eccofoam strut 1 - Y (+Z)	176,3	154,1	179,2
32033	eccofoam strut 1 - Y (+Z)	154,5	134,9	159,1
32034	eccofoam strut 1 - Y (+Z)	141,8	124,9	147,6
32035	eccofoam strut 1 - Y (+Z)	133,9	119,0	140,6
32036	eccofoam strut 1 - Y (+Z)	128,5	114,9	135,7
32037	eccofoam strut 1 - Y (+Z)	123,9	111,3	131,0
32038	eccofoam strut 1 - Y (+Z)	119,5	107,2	126,0
32039	eccofoam strut 1 - Y (+Z)	121,5	109,9	127,9
32040	eccofoam strut 1 - Y (+Z)	118,3	106,0	124,6
32041	eccofoam strut 1 - Y (+Z)	108,6	95,2	113,7
32042	eccofoam strut 1 - Y (+Z)	100,7	87,0	104,9
32043	eccofoam strut 1 - Y (+Z)	94,6	81,0	98,2
32044	eccofoam strut 1 - Y (+Z)	89,5	76,3	92,6
32045	eccofoam strut 1 - Y (+Z)	85,0	72,3	87,6
32046	eccofoam strut 1 - Y (+Z)	81,0	68,8	83,1
32047	eccofoam strut 1 - Y (+Z)	81,6	69,3	83,6
32048	eccofoam strut 1 - Y (+Z)	80,7	68,5	82,7
32051	strut 2 - Y (-Z)	216,8	192,9	217,4
32052	strut 2 - Y (-Z)	176,1	153,7	178,9
32053	strut 2 - Y (-Z)	155,3	135,9	159,7
32054	strut 2 - Y (-Z)	143,8	126,8	149,4
32055	strut 2 - Y (-Z)	137,1	121,9	143,4
32056	strut 2 - Y (-Z)	132,9	118,6	139,6
32057	strut 2 - Y (-Z)	129,2	115,4	135,8
32058	strut 2 - Y (-Z)	124,3	110,4	130,4
32059	strut 2 - Y (-Z)	127,8	113,8	133,8
32060	strut 2 - Y (-Z)	124,3	110,3	130,3
32061	strut 2 - Y (-Z)	112,6	97,7	117,3
32062	strut 2 - Y (-Z)	104,0	89,0	107,9
32063	strut 2 - Y (-Z)	97,4	82,8	100,7
32064	strut 2 - Y (-Z)	91,9	77,8	94,8
32065	strut 2 - Y (-Z)	87,0	73,5	89,5
32066	strut 2 - Y (-Z)	82,2	69,2	84,2
32067	strut 2 - Y (-Z)	82,9	69,9	84,9
32068	strut 2 - Y (-Z)	82,1	69,2	84,1
32069	strut 2 - Y (-Z)	75,0	61,9	76,7
32070	strut 2 - Y (-Z)	69,1	56,1	70,5
32071	strut 2 - Y (-Z)	63,7	50,9	64,7
32072	strut 2 - Y (-Z)	58,2	45,6	59,0
32073	strut 2 - Y (-Z)	52,5	39,9	53,0



32074	strut 2 - Y (-Z)	50,2	37,2	50,5
32075	strut 2 - Y (-Z)	52,5	39,9	53,0
32076	strut 2 - Y (-Z)	51,3	39,1	51,7
32077	strut 2 - Y (-Z)	50,1	38,5	50,5
32078	strut 2 - Y (-Z)	49,0	37,9	49,4
32079	strut 2 - Y (-Z)	48,0	37,5	48,3
32080	strut 2 - Y (-Z)	47,1	37,1	47,3
32081	eccofoam strut 2 - Y (-Z)	213,7	190,0	214,5
32082	eccofoam strut 2 - Y (-Z)	177,4	155,1	180,1
32083	eccofoam strut 2 - Y (-Z)	156,1	136,7	160,5
32084	eccofoam strut 2 - Y (-Z)	144,2	127,2	149,8
32085	eccofoam strut 2 - Y (-Z)	137,3	122,0	143,6
32086	eccofoam strut 2 - Y (-Z)	132,9	118,6	139,6
32087	eccofoam strut 2 - Y (-Z)	129,1	115,3	135,8
32088	eccofoam strut 2 - Y (-Z)	124,9	110,9	131,0
32089	eccofoam strut 2 - Y (-Z)	127,3	113,3	133,3
32090	eccofoam strut 2 - Y (-Z)	123,7	109,7	129,6
32091	eccofoam strut 2 - Y (-Z)	112,8	97,9	117,5
32092	eccofoam strut 2 - Y (-Z)	104,2	89,2	108,0
32093	eccofoam strut 2 - Y (-Z)	97,5	82,9	100,8
32094	eccofoam strut 2 - Y (-Z)	92,0	77,9	94,9
32095	eccofoam strut 2 - Y (-Z)	87,0	73,6	89,6
32096	eccofoam strut 2 - Y (-Z)	82,6	69,6	84,6
32097	eccofoam strut 2 - Y (-Z)	82,8	69,8	84,9
32098	eccofoam strut 2 - Y (-Z)	82,2	69,3	84,2
32101	strut 3 - Z -Y	218,5	188,5	219,1
32102	strut 3 - Z -Y	179,1	152,8	181,6
32103	strut 3 - Z -Y	158,9	136,1	162,7
32104	strut 3 - Z -Y	148,0	127,9	152,9
32105	strut 3 - Z -Y	142,3	124,1	147,9
32106	strut 3 - Z -Y	139,4	122,4	145,3
32107	strut 3 - Z -Y	137,2	120,7	143,1
32108	strut 3 - Z -Y	134,0	116,7	139,2
32109	strut 3 - Z -Y	138,3	119,3	143,6
32110	strut 3 - Z -Y	133,9	116,6	139,1
32111	strut 3 - Z -Y	121,7	106,0	125,2
32112	strut 3 - Z -Y	119,0	104,9	121,8
32113	strut 3 - Z -Y	113,4	98,1	116,3
32114	strut 3 - Z -Y	103,9	89,3	106,4
32115	strut 3 - Z -Y	95,3	81,5	97,4
32116	strut 3 - Z -Y	86,3	73,6	88,1
32117	strut 3 - Z -Y	84,4	70,6	86,4
32118	strut 3 - Z -Y	86,2	73,6	88,1
32119	strut 3 - Z -Y	85,2	75,3	86,7
32120	strut 3 - Z -Y	80,8	69,3	82,3
32121	strut 3 - Z -Y	72,3	60,6	73,5
32122	strut 3 - Z -Y	63,8	51,9	64,7
32123	strut 3 - Z -Y	54,7	42,2	55,1
32124	strut 3 - Z -Y	50,6	37,3	50,9
32125	strut 3 - Z -Y	54,6	42,2	55,1



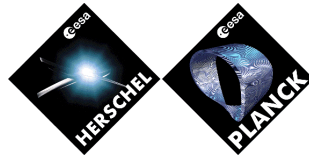
32126	strut 3 - Z -Y	53,0	41,0	53,4
32127	strut 3 - Z -Y	51,5	40,0	51,9
32128	strut 3 - Z -Y	50,0	39,0	50,4
32129	strut 3 - Z -Y	48,7	38,1	49,0
32130	strut 3 - Z -Y	47,4	37,4	47,6
32131	eccofoam inside strut 3	215,5	185,8	216,2
32132	eccofoam inside strut 3	180,3	154,0	182,8
32133	eccofoam inside strut 3	159,7	136,8	163,5
32134	eccofoam inside strut 3	148,5	128,3	153,3
32135	eccofoam inside strut 3	142,6	124,3	148,1
32136	eccofoam inside strut 3	139,4	122,4	145,3
32137	eccofoam inside strut 3	137,2	120,6	143,0
32138	eccofoam inside strut 3	134,5	117,1	139,8
32139	eccofoam inside strut 3	137,7	118,9	143,0
32140	eccofoam inside strut 3	133,4	116,1	138,4
32141	eccofoam inside strut 3	122,3	106,6	125,9
32142	eccofoam inside strut 3	118,8	104,6	121,7
32143	eccofoam inside strut 3	113,1	98,0	115,9
32144	eccofoam inside strut 3	103,9	89,3	106,4
32145	eccofoam inside strut 3	95,3	81,5	97,5
32146	eccofoam inside strut 3	86,8	74,0	88,7
32147	eccofoam inside strut 3	84,7	71,0	86,7
32148	eccofoam inside strut 3	86,1	73,4	88,0
32151	strut 4 - Z (-Y)	219,1	189,0	219,9
32152	strut 4 - Z (-Y)	180,6	153,9	183,5
32153	strut 4 - Z (-Y)	161,3	138,1	165,5
32154	strut 4 - Z (-Y)	150,9	130,2	156,2
32155	strut 4 - Z (-Y)	145,5	126,3	151,3
32156	strut 4 - Z (-Y)	142,5	124,2	148,5
32157	strut 4 - Z (-Y)	140,4	122,0	146,1
32158	strut 4 - Z (-Y)	137,2	118,0	142,2
32159	strut 4 - Z (-Y)	141,5	120,8	146,5
32160	strut 4 - Z (-Y)	137,1	117,9	142,1
32161	strut 4 - Z (-Y)	123,3	104,4	127,2
32162	strut 4 - Z (-Y)	113,4	95,5	116,6
32163	strut 4 - Z (-Y)	105,8	88,9	108,6
32164	strut 4 - Z (-Y)	99,3	83,4	101,9
32165	strut 4 - Z (-Y)	93,0	78,0	95,3
32166	strut 4 - Z (-Y)	85,8	71,7	87,8
32167	strut 4 - Z (-Y)	85,3	70,9	87,3
32168	strut 4 - Z (-Y)	85,7	71,7	87,8
32169	strut 4 - Z (-Y)	78,2	64,2	79,8
32170	strut 4 - Z (-Y)	72,0	58,3	73,3
32171	strut 4 - Z (-Y)	66,1	52,8	67,1
32172	strut 4 - Z (-Y)	60,1	47,1	60,9
32173	strut 4 - Z (-Y)	53,6	40,6	54,1
32174	strut 4 - Z (-Y)	51,0	37,5	51,3
32175	strut 4 - Z (-Y)	53,6	40,6	54,1
32176	strut 4 - Z (-Y)	52,1	39,6	52,5
32177	strut 4 - Z (-Y)	50,7	38,6	51,1



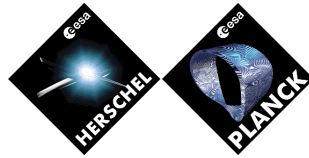
32178	strut 4 - Z (-Y)	49,4	37,8	49,7
32179	strut 4 - Z (-Y)	48,2	37,0	48,5
32180	strut 4 - Z (-Y)	47,0	36,3	47,3
32181	eccofoam strut 4 - Z (-Y)	216,2	186,4	217,2
32182	eccofoam strut 4 - Z (-Y)	181,9	155,2	184,7
32183	eccofoam strut 4 - Z (-Y)	162,0	138,8	166,3
32184	eccofoam strut 4 - Z (-Y)	151,3	130,6	156,6
32185	eccofoam strut 4 - Z (-Y)	145,7	126,4	151,5
32186	eccofoam strut 4 - Z (-Y)	142,6	124,2	148,5
32187	eccofoam strut 4 - Z (-Y)	140,4	121,9	146,1
32188	eccofoam strut 4 - Z (-Y)	137,7	118,4	142,7
32189	eccofoam strut 4 - Z (-Y)	140,8	120,4	145,9
32190	eccofoam strut 4 - Z (-Y)	136,4	117,1	141,3
32191	eccofoam strut 4 - Z (-Y)	123,6	104,7	127,4
32192	eccofoam strut 4 - Z (-Y)	113,6	95,7	116,8
32193	eccofoam strut 4 - Z (-Y)	105,9	89,0	108,7
32194	eccofoam strut 4 - Z (-Y)	99,3	83,4	101,9
32195	eccofoam strut 4 - Z (-Y)	92,9	78,0	95,2
32196	eccofoam strut 4 - Z (-Y)	86,3	72,1	88,3
32197	eccofoam strut 4 - Z (-Y)	85,4	71,1	87,4
32198	eccofoam strut 4 - Z (-Y)	85,7	71,7	87,7
32201	strut 5 - Z (+Y)	214,5	184,2	215,2
32202	strut 5 - Z (+Y)	175,2	148,6	177,7
32203	strut 5 - Z (+Y)	155,4	132,0	159,3
32204	strut 5 - Z (+Y)	144,9	123,9	149,7
32205	strut 5 - Z (+Y)	139,6	120,2	145,0
32206	strut 5 - Z (+Y)	137,5	118,7	143,0
32207	strut 5 - Z (+Y)	137,2	117,6	142,6
32208	strut 5 - Z (+Y)	137,2	115,3	141,9
32209	strut 5 - Z (+Y)	144,4	119,1	149,3
32210	strut 5 - Z (+Y)	137,1	115,3	141,8
32211	strut 5 - Z (+Y)	123,5	102,6	127,1
32212	strut 5 - Z (+Y)	113,7	94,1	116,7
32213	strut 5 - Z (+Y)	106,3	87,8	108,9
32214	strut 5 - Z (+Y)	100,1	82,5	102,5
32215	strut 5 - Z (+Y)	94,2	77,3	96,4
32216	strut 5 - Z (+Y)	87,6	71,2	89,6
32217	strut 5 - Z (+Y)	87,7	70,5	89,7
32218	strut 5 - Z (+Y)	87,6	71,2	89,5
32219	strut 5 - Z (+Y)	79,7	63,8	81,3
32220	strut 5 - Z (+Y)	73,3	57,9	74,6
32221	strut 5 - Z (+Y)	67,3	52,4	68,4
32222	strut 5 - Z (+Y)	61,3	46,8	62,1
32223	strut 5 - Z (+Y)	54,9	40,4	55,4
32224	strut 5 - Z (+Y)	52,4	37,3	52,7
32225	strut 5 - Z (+Y)	54,8	40,4	55,3
32226	strut 5 - Z (+Y)	53,1	39,4	53,5
32227	strut 5 - Z (+Y)	51,5	38,5	51,9
32228	strut 5 - Z (+Y)	50,0	37,7	50,3
32229	strut 5 - Z (+Y)	48,5	36,9	48,9



32230	strut 5 - Z (+Y)	47,2	36,3	47,5
32231	eccofoam strut 5 - Z (+Y)	211,5	181,6	212,3
32232	eccofoam strut 5 - Z (+Y)	176,5	149,8	179,0
32233	eccofoam strut 5 - Z (+Y)	156,2	132,7	160,1
32234	eccofoam strut 5 - Z (+Y)	145,3	124,3	150,1
32235	eccofoam strut 5 - Z (+Y)	139,9	120,4	145,2
32236	eccofoam strut 5 - Z (+Y)	137,7	118,7	143,2
32237	eccofoam strut 5 - Z (+Y)	137,3	117,5	142,6
32238	eccofoam strut 5 - Z (+Y)	137,7	115,7	142,4
32239	eccofoam strut 5 - Z (+Y)	143,4	118,5	148,2
32240	eccofoam strut 5 - Z (+Y)	136,6	114,6	141,2
32241	eccofoam strut 5 - Z (+Y)	123,7	102,9	127,4
32242	eccofoam strut 5 - Z (+Y)	113,9	94,3	116,9
32243	eccofoam strut 5 - Z (+Y)	106,4	87,8	109,1
32244	eccofoam strut 5 - Z (+Y)	100,1	82,5	102,5
32245	eccofoam strut 5 - Z (+Y)	94,1	77,3	96,4
32246	eccofoam strut 5 - Z (+Y)	88,1	71,6	90,1
32247	eccofoam strut 5 - Z (+Y)	87,7	70,6	89,7
32248	eccofoam strut 5 - Z (+Y)	87,6	71,2	89,6
32251	strut 6 - Z +Y	213,9	183,9	214,6
32252	strut 6 - Z +Y	174,1	147,9	176,7
32253	strut 6 - Z +Y	153,6	130,7	157,7
32254	strut 6 - Z +Y	142,2	121,7	147,4
32255	strut 6 - Z +Y	136,0	116,7	141,8
32256	strut 6 - Z +Y	132,8	113,9	138,9
32257	strut 6 - Z +Y	132,1	112,3	137,9
32258	strut 6 - Z +Y	133,2	111,1	138,2
32259	strut 6 - Z +Y	143,3	118,6	148,2
32260	strut 6 - Z +Y	133,1	111,1	138,1
32261	strut 6 - Z +Y	119,8	98,6	123,7
32262	strut 6 - Z +Y	110,2	90,0	113,4
32263	strut 6 - Z +Y	102,9	83,7	105,8
32264	strut 6 - Z +Y	97,0	78,7	99,5
32265	strut 6 - Z +Y	91,7	74,2	94,0
32266	strut 6 - Z +Y	86,4	69,6	88,3
32267	strut 6 - Z +Y	87,5	70,2	89,4
32268	strut 6 - Z +Y	86,3	69,6	88,3
32269	strut 6 - Z +Y	78,5	62,1	80,0
32270	strut 6 - Z +Y	72,1	56,2	73,4
32271	strut 6 - Z +Y	66,2	50,8	67,2
32272	strut 6 - Z +Y	60,4	45,6	61,2
32273	strut 6 - Z +Y	54,5	39,9	54,9
32274	strut 6 - Z +Y	52,2	37,2	52,5
32275	strut 6 - Z +Y	54,4	39,8	54,9
32276	strut 6 - Z +Y	52,9	39,0	53,3
32277	strut 6 - Z +Y	51,5	38,3	51,9
32278	strut 6 - Z +Y	50,2	37,7	50,5
32279	strut 6 - Z +Y	48,9	37,2	49,3
32280	strut 6 - Z +Y	47,8	36,8	48,0
32281	eccofoam strut 6 - Z +Y	210,9	181,2	211,7



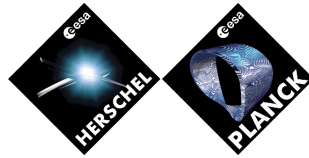
32282	eccofoam strut 6 - Z +Y	175,4	149,1	177,9
32283	eccofoam strut 6 - Z +Y	154,4	131,4	158,5
32284	eccofoam strut 6 - Z +Y	142,6	122,1	147,8
32285	eccofoam strut 6 - Z +Y	136,2	116,9	142,0
32286	eccofoam strut 6 - Z +Y	133,0	114,0	139,1
32287	eccofoam strut 6 - Z +Y	132,3	112,4	138,1
32288	eccofoam strut 6 - Z +Y	133,8	111,7	138,8
32289	eccofoam strut 6 - Z +Y	141,8	117,6	146,8
32290	eccofoam strut 6 - Z +Y	132,8	110,7	137,7
32291	eccofoam strut 6 - Z +Y	120,1	98,9	124,0
32292	eccofoam strut 6 - Z +Y	110,4	90,2	113,7
32293	eccofoam strut 6 - Z +Y	103,0	83,8	105,9
32294	eccofoam strut 6 - Z +Y	97,0	78,8	99,6
32295	eccofoam strut 6 - Z +Y	91,7	74,3	94,0
32296	eccofoam strut 6 - Z +Y	86,8	70,0	88,8
32297	eccofoam strut 6 - Z +Y	87,3	70,1	89,3
32298	eccofoam strut 6 - Z +Y	86,4	69,6	88,4
32301	strut 7 + Y (-Z)	215,2	188,6	215,9
32302	strut 7 + Y (-Z)	173,5	149,2	176,4
32303	strut 7 + Y (-Z)	151,6	130,5	156,1
32304	strut 7 + Y (-Z)	139,2	120,4	144,9
32305	strut 7 + Y (-Z)	131,8	114,9	138,4
32306	strut 7 + Y (-Z)	127,4	111,5	134,4
32307	strut 7 + Y (-Z)	124,6	109,1	131,4
32308	strut 7 + Y (-Z)	122,5	106,3	128,4
32309	strut 7 + Y (-Z)	128,3	112,0	134,1
32310	strut 7 + Y (-Z)	122,4	106,3	128,4
32311	strut 7 + Y (-Z)	111,5	94,9	116,2
32312	strut 7 + Y (-Z)	103,5	87,0	107,4
32313	strut 7 + Y (-Z)	97,5	81,3	100,8
32314	strut 7 + Y (-Z)	92,6	76,7	95,4
32315	strut 7 + Y (-Z)	88,3	72,8	90,8
32316	strut 7 + Y (-Z)	84,2	68,8	86,2
32317	strut 7 + Y (-Z)	85,6	69,7	87,6
32318	strut 7 + Y (-Z)	84,2	68,8	86,2
32319	strut 7 + Y (-Z)	76,7	61,5	78,3
32320	strut 7 + Y (-Z)	70,6	55,7	71,9
32321	strut 7 + Y (-Z)	64,9	50,5	66,0
32322	strut 7 + Y (-Z)	59,3	45,3	60,1
32323	strut 7 + Y (-Z)	53,5	39,7	54,0
32324	strut 7 + Y (-Z)	51,2	37,2	51,5
32325	strut 7 + Y (-Z)	53,5	39,7	54,0
32326	strut 7 + Y (-Z)	52,1	38,9	52,6
32327	strut 7 + Y (-Z)	50,9	38,3	51,3
32328	strut 7 + Y (-Z)	49,7	37,7	50,1
32329	strut 7 + Y (-Z)	48,7	37,2	49,0
32330	strut 7 + Y (-Z)	47,6	36,8	47,9
32331	eccofoam strut 7 + Y (-Z)	212,0	185,6	212,9
32332	eccofoam strut 7 + Y (-Z)	174,8	150,5	177,6
32333	eccofoam strut 7 + Y (-Z)	152,4	131,2	156,9



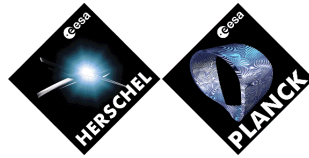
32334	eccofoam strut 7 + Y (-Z)	139,6	120,8	145,3
32335	eccofoam strut 7 + Y (-Z)	132,1	115,1	138,6
32336	eccofoam strut 7 + Y (-Z)	127,5	111,6	134,5
32337	eccofoam strut 7 + Y (-Z)	124,7	109,1	131,5
32338	eccofoam strut 7 + Y (-Z)	123,0	106,9	129,0
32339	eccofoam strut 7 + Y (-Z)	127,5	111,1	133,3
32340	eccofoam strut 7 + Y (-Z)	122,0	105,8	127,8
32341	eccofoam strut 7 + Y (-Z)	111,7	95,1	116,4
32342	eccofoam strut 7 + Y (-Z)	103,7	87,2	107,5
32343	eccofoam strut 7 + Y (-Z)	97,6	81,4	100,9
32344	eccofoam strut 7 + Y (-Z)	92,6	76,8	95,5
32345	eccofoam strut 7 + Y (-Z)	88,4	72,8	90,9
32346	eccofoam strut 7 + Y (-Z)	84,6	69,2	86,7
32347	eccofoam strut 7 + Y (-Z)	85,5	69,6	87,4
32348	eccofoam strut 7 + Y (-Z)	84,3	68,9	86,3
32351	strut 8 + Y (+Z)	215,0	188,6	215,6
32352	strut 8 + Y (+Z)	173,2	149,1	176,0
32353	strut 8 + Y (+Z)	151,2	130,3	155,7
32354	strut 8 + Y (+Z)	138,5	120,1	144,4
32355	strut 8 + Y (+Z)	130,8	114,3	137,6
32356	strut 8 + Y (+Z)	125,7	110,6	132,9
32357	strut 8 + Y (+Z)	121,7	107,8	129,0
32358	strut 8 + Y (+Z)	117,9	104,4	124,3
32359	strut 8 + Y (+Z)	121,7	109,2	128,0
32360	strut 8 + Y (+Z)	117,8	104,4	124,2
32361	strut 8 + Y (+Z)	107,8	93,4	112,8
32362	strut 8 + Y (+Z)	100,3	85,7	104,4
32363	strut 8 + Y (+Z)	94,4	80,0	97,9
32364	strut 8 + Y (+Z)	89,6	75,6	92,7
32365	strut 8 + Y (+Z)	85,5	71,8	88,1
32366	strut 8 + Y (+Z)	81,5	68,2	83,6
32367	strut 8 + Y (+Z)	82,9	69,3	84,8
32368	strut 8 + Y (+Z)	81,5	68,2	83,5
32369	strut 8 + Y (+Z)	74,5	60,9	76,1
32370	strut 8 + Y (+Z)	68,6	55,2	69,9
32371	strut 8 + Y (+Z)	63,1	50,0	64,2
32372	strut 8 + Y (+Z)	57,8	45,0	58,6
32373	strut 8 + Y (+Z)	52,2	39,5	52,7
32374	strut 8 + Y (+Z)	50,0	37,1	50,3
32375	strut 8 + Y (+Z)	52,2	39,5	52,7
32376	strut 8 + Y (+Z)	51,0	38,7	51,4
32377	strut 8 + Y (+Z)	49,8	38,0	50,2
32378	strut 8 + Y (+Z)	48,7	37,3	49,1
32379	strut 8 + Y (+Z)	47,7	36,8	48,0
32380	strut 8 + Y (+Z)	46,7	36,3	47,0
32381	eccofoam strut 8 + Y (+Z)	211,8	185,6	212,6
32382	eccofoam strut 8 + Y (+Z)	174,5	150,5	177,3
32383	eccofoam strut 8 + Y (+Z)	152,0	131,0	156,5
32384	eccofoam strut 8 + Y (+Z)	139,0	120,5	144,8
32385	eccofoam strut 8 + Y (+Z)	131,0	114,5	137,8



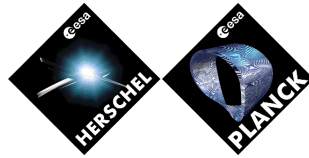
32386	eccofoam strut 8 + Y (+Z)	125,8	110,7	133,0
32387	eccofoam strut 8 + Y (+Z)	121,8	107,8	129,0
32388	eccofoam strut 8 + Y (+Z)	118,4	105,0	124,8
32389	eccofoam strut 8 + Y (+Z)	121,1	108,5	127,4
32390	eccofoam strut 8 + Y (+Z)	117,3	103,9	123,6
32391	eccofoam strut 8 + Y (+Z)	107,9	93,6	113,0
32392	eccofoam strut 8 + Y (+Z)	100,4	85,8	104,5
32393	eccofoam strut 8 + Y (+Z)	94,5	80,1	98,0
32394	eccofoam strut 8 + Y (+Z)	89,7	75,6	92,7
32395	eccofoam strut 8 + Y (+Z)	85,5	71,8	88,1
32396	eccofoam strut 8 + Y (+Z)	81,9	68,5	84,0
32397	eccofoam strut 8 + Y (+Z)	82,7	69,2	84,7
32398	eccofoam strut 8 + Y (+Z)	81,6	68,2	83,6
32401	strut 9 + Y +Z	214,3	188,4	215,1
32402	strut 9 + Y +Z	172,5	148,8	175,5
32403	strut 9 + Y +Z	150,4	129,9	155,2
32404	strut 9 + Y +Z	137,5	119,8	143,7
32405	strut 9 + Y +Z	129,6	114,0	136,8
32406	strut 9 + Y +Z	124,3	110,1	131,9
32407	strut 9 + Y +Z	120,2	107,2	127,8
32408	strut 9 + Y +Z	116,1	103,7	122,8
32409	strut 9 + Y +Z	119,6	108,3	126,0
32410	strut 9 + Y +Z	116,0	103,7	122,7
32411	strut 9 + Y +Z	106,1	92,6	111,4
32412	strut 9 + Y +Z	98,8	84,9	103,0
32413	strut 9 + Y +Z	93,1	79,3	96,7
32414	strut 9 + Y +Z	88,4	75,0	91,6
32415	strut 9 + Y +Z	84,5	71,4	87,1
32416	strut 9 + Y +Z	80,8	68,0	82,9
32417	strut 9 + Y +Z	82,2	69,2	84,2
32418	strut 9 + Y +Z	80,8	68,0	82,8
32419	strut 9 + Y +Z	73,9	60,8	75,5
32420	strut 9 + Y +Z	68,1	55,1	69,5
32421	strut 9 + Y +Z	62,7	50,0	63,8
32422	strut 9 + Y +Z	57,5	44,9	58,3
32423	strut 9 + Y +Z	52,0	39,5	52,5
32424	strut 9 + Y +Z	49,8	37,1	50,2
32425	strut 9 + Y +Z	52,0	39,5	52,5
32426	strut 9 + Y +Z	50,8	38,7	51,2
32427	strut 9 + Y +Z	49,7	38,0	50,1
32428	strut 9 + Y +Z	48,7	37,3	49,0
32429	strut 9 + Y +Z	47,7	36,8	48,0
32430	strut 9 + Y +Z	46,7	36,3	47,0
32431	eccofoam strut 9 + Y +Z	211,1	185,4	212,1
32432	eccofoam strut 9 + Y +Z	173,7	150,1	176,8
32433	eccofoam strut 9 + Y +Z	151,2	130,6	156,0
32434	eccofoam strut 9 + Y +Z	137,9	120,2	144,1
32435	eccofoam strut 9 + Y +Z	129,8	114,1	137,0
32436	eccofoam strut 9 + Y +Z	124,4	110,2	132,0
32437	eccofoam strut 9 + Y +Z	120,2	107,2	127,7



32438	eccofoam strut 9 + Y +Z	116,6	104,2	123,3
32439	eccofoam strut 9 + Y +Z	119,1	107,7	125,6
32440	eccofoam strut 9 + Y +Z	115,5	103,2	122,1
32441	eccofoam strut 9 + Y +Z	106,3	92,8	111,6
32442	eccofoam strut 9 + Y +Z	98,9	85,1	103,2
32443	eccofoam strut 9 + Y +Z	93,1	79,4	96,8
32444	eccofoam strut 9 + Y +Z	88,5	75,0	91,6
32445	eccofoam strut 9 + Y +Z	84,5	71,4	87,1
32446	eccofoam strut 9 + Y +Z	81,2	68,3	83,2
32447	eccofoam strut 9 + Y +Z	82,0	69,1	84,0
32448	eccofoam strut 9 + Y +Z	80,9	68,0	82,9
32451	strut 10 + Z (+Y)	214,4	188,4	215,2
32452	strut 10 + Z (+Y)	172,7	148,9	175,7
32453	strut 10 + Z (+Y)	150,4	130,0	155,3
32454	strut 10 + Z (+Y)	137,6	120,1	143,8
32455	strut 10 + Z (+Y)	129,5	114,7	136,8
32456	strut 10 + Z (+Y)	124,2	110,6	131,9
32457	strut 10 + Z (+Y)	119,8	107,2	127,5
32458	strut 10 + Z (+Y)	115,2	103,5	122,0
32459	strut 10 + Z (+Y)	118,3	107,9	124,9
32460	strut 10 + Z (+Y)	115,1	103,5	121,9
32461	strut 10 + Z (+Y)	105,3	92,4	110,6
32462	strut 10 + Z (+Y)	97,9	84,6	102,3
32463	strut 10 + Z (+Y)	92,2	79,0	96,0
32464	strut 10 + Z (+Y)	87,6	74,7	90,8
32465	strut 10 + Z (+Y)	83,6	71,1	86,3
32466	strut 10 + Z (+Y)	80,0	67,9	82,1
32467	strut 10 + Z (+Y)	81,4	69,2	83,3
32468	strut 10 + Z (+Y)	80,0	67,9	82,0
32469	strut 10 + Z (+Y)	73,2	60,7	74,8
32470	strut 10 + Z (+Y)	67,5	55,0	68,8
32471	strut 10 + Z (+Y)	62,2	49,9	63,3
32472	strut 10 + Z (+Y)	57,1	44,9	57,9
32473	strut 10 + Z (+Y)	51,8	39,7	52,3
32474	strut 10 + Z (+Y)	49,6	37,2	49,9
32475	strut 10 + Z (+Y)	51,8	39,6	52,3
32476	strut 10 + Z (+Y)	50,8	39,1	51,2
32477	strut 10 + Z (+Y)	50,0	38,6	50,3
32478	strut 10 + Z (+Y)	49,2	38,2	49,5
32479	strut 10 + Z (+Y)	48,5	38,0	48,8
32480	strut 10 + Z (+Y)	47,8	37,8	48,1
32481	eccofoam strut 10 + Z (+	211,3	185,4	212,3
32482	eccofoam strut 10 + Z (+	173,9	150,2	177,0
32483	eccofoam strut 10 + Z (+	151,2	130,8	156,1
32484	eccofoam strut 10 + Z (+	138,0	120,5	144,2
32485	eccofoam strut 10 + Z (+	129,8	114,8	137,0
32486	eccofoam strut 10 + Z (+	124,2	110,6	132,0
32487	eccofoam strut 10 + Z (+	119,8	107,3	127,5
32488	eccofoam strut 10 + Z (+	115,7	104,1	122,6
32489	eccofoam strut 10 + Z (+	117,8	107,3	124,5



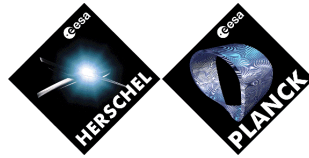
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32491	eccofoam strut 10 + Z (+	105,4	92,6	110,8
32492	eccofoam strut 10 + Z (+	98,1	84,8	102,5
32493	eccofoam strut 10 + Z (+	92,3	79,1	96,1
32494	eccofoam strut 10 + Z (+	87,7	74,7	90,9
32495	eccofoam strut 10 + Z (+	83,7	71,2	86,4
32496	eccofoam strut 10 + Z (+	80,4	68,2	82,4
32497	eccofoam strut 10 + Z (+	81,2	69,0	83,2
32498	eccofoam strut 10 + Z (+	80,1	67,9	82,1
32501	strut 11 + Z (-Y)	214,6	189,9	215,4
32502	strut 11 + Z (-Y)	172,9	150,0	176,0
32503	strut 11 + Z (-Y)	150,7	131,1	155,7
32504	strut 11 + Z (-Y)	137,8	121,1	144,1
32505	strut 11 + Z (-Y)	129,8	115,2	137,2
32506	strut 11 + Z (-Y)	124,5	111,3	132,4
32507	strut 11 + Z (-Y)	120,0	107,9	127,8
32508	strut 11 + Z (-Y)	115,4	103,9	122,3
32509	strut 11 + Z (-Y)	118,4	108,1	125,0
32510	strut 11 + Z (-Y)	115,3	103,9	122,2
32511	strut 11 + Z (-Y)	105,4	92,7	110,9
32512	strut 11 + Z (-Y)	98,0	85,0	102,5
32513	strut 11 + Z (-Y)	92,3	79,4	96,0
32514	strut 11 + Z (-Y)	87,6	75,1	90,8
32515	strut 11 + Z (-Y)	83,6	71,7	86,3
32516	strut 11 + Z (-Y)	79,9	68,6	82,0
32517	strut 11 + Z (-Y)	81,2	69,2	83,2
32518	strut 11 + Z (-Y)	79,9	68,6	81,9
32519	strut 11 + Z (-Y)	73,1	64,0	74,8
32520	strut 11 + Z (-Y)	67,4	57,5	68,8
32521	strut 11 + Z (-Y)	62,2	51,7	63,3
32522	strut 11 + Z (-Y)	57,0	46,0	57,8
32523	strut 11 + Z (-Y)	51,8	40,1	52,2
32524	strut 11 + Z (-Y)	49,5	37,2	49,8
32525	strut 11 + Z (-Y)	51,7	40,1	52,2
32526	strut 11 + Z (-Y)	50,8	39,4	51,2
32527	strut 11 + Z (-Y)	49,9	38,9	50,3
32528	strut 11 + Z (-Y)	49,2	38,4	49,5
32529	strut 11 + Z (-Y)	48,4	38,1	48,7
32530	strut 11 + Z (-Y)	47,8	37,8	48,1
32531	eccofoam strut 11 + Z (-	211,4	186,9	212,5
32532	eccofoam strut 11 + Z (-	174,1	151,4	177,2
32533	eccofoam strut 11 + Z (-	151,5	131,9	156,5
32534	eccofoam strut 11 + Z (-	138,2	121,4	144,5
32535	eccofoam strut 11 + Z (-	130,1	115,3	137,3
32536	eccofoam strut 11 + Z (-	124,6	111,4	132,4
32537	eccofoam strut 11 + Z (-	120,0	107,9	127,8
32538	eccofoam strut 11 + Z (-	115,9	104,5	122,9
32539	eccofoam strut 11 + Z (-	117,9	107,5	124,6
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32541	eccofoam strut 11 + Z (-	105,6	93,0	111,0



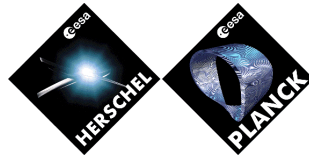
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32543	eccofoam strut 11 + Z (-	92,4	79,5	96,1
32544	eccofoam strut 11 + Z (-	87,6	75,2	90,9
32545	eccofoam strut 11 + Z (-	83,7	71,7	86,3
32546	eccofoam strut 11 + Z (-	80,3	68,8	82,4
32547	eccofoam strut 11 + Z (-	81,1	69,2	83,1
32548	eccofoam strut 11 + Z (-	80,0	68,6	82,0
32551	strut 12 + Z -Y	214,5	190,0	215,4
32552	strut 12 + Z -Y	172,9	150,2	176,0
32553	strut 12 + Z -Y	150,9	131,2	155,8
32554	strut 12 + Z -Y	138,2	121,3	144,5
32555	strut 12 + Z -Y	130,3	115,5	137,6
32556	strut 12 + Z -Y	125,0	111,8	132,8
32557	strut 12 + Z -Y	120,8	108,7	128,5
32558	strut 12 + Z -Y	116,5	104,8	123,3
32559	strut 12 + Z -Y	119,8	109,2	126,4
32560	strut 12 + Z -Y	116,4	104,7	123,2
32561	strut 12 + Z -Y	106,4	93,4	111,7
32562	strut 12 + Z -Y	98,9	85,5	103,2
32563	strut 12 + Z -Y	93,0	79,8	96,7
32564	strut 12 + Z -Y	88,2	75,3	91,4
32565	strut 12 + Z -Y	84,1	71,6	86,7
32566	strut 12 + Z -Y	80,2	68,1	82,3
32567	strut 12 + Z -Y	81,4	69,3	83,4
32568	strut 12 + Z -Y	80,2	68,1	82,2
32569	strut 12 + Z -Y	73,3	60,9	75,0
32570	strut 12 + Z -Y	67,6	55,2	69,0
32571	strut 12 + Z -Y	62,3	50,1	63,4
32572	strut 12 + Z -Y	57,0	45,0	57,8
32573	strut 12 + Z -Y	51,6	39,6	52,1
32574	strut 12 + Z -Y	49,5	37,1	49,8
32575	strut 12 + Z -Y	51,6	39,6	52,1
32576	strut 12 + Z -Y	50,3	38,8	50,7
32577	strut 12 + Z -Y	49,1	38,2	49,4
32578	strut 12 + Z -Y	47,9	37,6	48,2
32579	strut 12 + Z -Y	46,7	37,1	47,0
32580	strut 12 + Z -Y	45,6	36,7	45,9
32581	eccofoam strut 12 + Z -Y	211,3	187,0	212,4
32582	eccofoam strut 12 + Z -Y	174,1	151,5	177,3
32583	eccofoam strut 12 + Z -Y	151,7	132,0	156,6
32584	eccofoam strut 12 + Z -Y	138,6	121,6	144,9
32585	eccofoam strut 12 + Z -Y	130,5	115,7	137,8
32586	eccofoam strut 12 + Z -Y	125,1	111,9	132,9
32587	eccofoam strut 12 + Z -Y	120,8	108,6	128,5
32588	eccofoam strut 12 + Z -Y	117,0	105,3	123,9
32589	eccofoam strut 12 + Z -Y	119,4	108,5	126,0
32590	eccofoam strut 12 + Z -Y	115,9	104,2	122,6
32591	eccofoam strut 12 + Z -Y	106,5	93,6	111,9
32592	eccofoam strut 12 + Z -Y	99,0	85,7	103,4
32593	eccofoam strut 12 + Z -Y	93,1	79,9	96,8



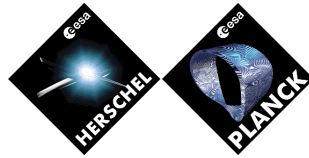
32594	eccofoam strut 12 + Z -Y	88,3	75,4	91,5
32595	eccofoam strut 12 + Z -Y	84,1	71,7	86,8
32596	eccofoam strut 12 + Z -Y	80,6	68,5	82,7
32597	eccofoam strut 12 + Z -Y	81,3	69,2	83,3
32598	eccofoam strut 12 + Z -Y	80,2	68,2	82,3
33000	PR front centre ,	45,4	36,7	45,5
33011	PR front ring1 0,	45,4	36,8	45,6
33012	PR front ring1 60,	45,2	36,6	45,3
33013	PR front ring1 120,	45,7	37,0	45,9
33014	PR front ring1 180,	45,4	36,8	45,6
33015	PR front ring1 240,	45,7	37,0	45,9
33016	PR front ring1 300,	45,2	36,6	45,3
33041	PR front ring2 0,	45,9	37,2	46,0
33042	PR front ring2 60,	45,0	36,5	45,2
33043	PR front ring2 120,	46,1	37,3	46,3
33044	PR front ring2 180,	45,5	36,8	45,6
33045	PR front ring2 240,	46,1	37,3	46,3
33046	PR front ring2 300,	45,0	36,5	45,2
33071	PR front ring3 0,	45,3	36,7	45,4
33072	PR front ring3 60,	45,0	36,5	45,1
33073	PR front ring3 120,	46,1	37,2	46,3
33074	PR front ring3 180,	45,5	36,8	45,6
33075	PR front ring3 240,	46,1	37,2	46,3
33076	PR front ring3 300,	45,0	36,5	45,1
33100	PR rear centre , ,	45,4	36,7	45,5
33111	PR rear ring1 0,	45,5	36,8	45,6
33112	PR rear ring1 60,	45,2	36,6	45,3
33113	PR rear ring1 120,	45,8	37,0	46,0
33114	PR rear ring1 180,	45,5	36,8	45,6
33115	PR rear ring1 240,	45,8	37,0	46,0
33116	PR rear ring1 300,	45,2	36,6	45,3
33141	PR rear ring2 0,	46,0	37,2	46,1
33142	PR rear ring2 60,	45,1	36,5	45,2
33143	PR rear ring2 120,	46,5	37,5	46,7
33144	PR rear ring2 180,	45,5	36,8	45,6
33145	PR rear ring2 240,	46,5	37,5	46,7
33146	PR rear ring2 300,	45,1	36,5	45,2
33171	PR rear ring3 0,	45,3	36,7	45,5
33172	PR rear ring3 60,	45,0	36,5	45,1
33173	PR rear ring3 120,	46,2	37,3	46,4
33174	PR rear ring3 180,	45,5	36,8	45,7
33175	PR rear ring3 240,	46,2	37,3	46,4
33176	PR rear ring3 300,	45,0	36,5	45,1
33200	PR thermal foil ,	44,9	36,3	45,1
33311	PR MLI fwd ring	45,3	36,6	45,4
33312	PR MLI fwd ring	45,0	36,4	45,2
33313	PR MLI fwd ring	45,7	36,9	45,8
33314	PR MLI fwd ring	45,3	36,7	45,5
33315	PR MLI fwd ring	45,7	36,9	45,8
33316	PR MLI fwd ring	45,0	36,4	45,2



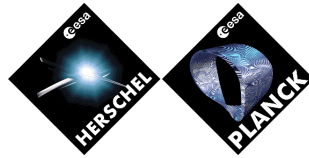
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33342	PR	MLI	fwd	ring	44,9	36,3	45,0
33343	PR	MLI	fwd	ring	46,4	37,3	46,5
33344	PR	MLI	fwd	ring	45,4	36,7	45,5
33345	PR	MLI	fwd	ring	46,4	37,4	46,5
33346	PR	MLI	fwd	ring	44,9	36,3	45,0
33371	PR	MLI	fwd	ring	45,1	36,5	45,2
33372	PR	MLI	fwd	ring	44,8	36,3	44,9
33373	PR	MLI	fwd	ring	46,1	37,1	46,2
33374	PR	MLI	fwd	ring	45,4	36,7	45,5
33375	PR	MLI	fwd	ring	46,1	37,1	46,2
33376	PR	MLI	fwd	ring	44,8	36,3	44,9
33411	PR	MLI	rear	ring	37,4	29,8	37,5
33412	PR	MLI	rear	ring	38,1	30,1	38,2
33413	PR	MLI	rear	ring	39,9	31,7	40,1
33414	PR	MLI	rear	ring	40,4	32,3	40,6
33415	PR	MLI	rear	ring	40,0	31,8	40,2
33416	PR	MLI	rear	ring	38,2	30,2	38,3
33441	PR	MLI	rear	ring	36,1	28,7	36,2
33442	PR	MLI	rear	ring	37,3	29,4	37,4
33443	PR	MLI	rear	ring	40,9	32,5	41,1
33444	PR	MLI	rear	ring	41,6	33,7	41,7
33445	PR	MLI	rear	ring	41,0	32,6	41,2
33446	PR	MLI	rear	ring	37,3	29,4	37,4
33471	PR	MLI	rear	ring	34,3	27,5	34,4
33472	PR	MLI	rear	ring	36,6	29,0	36,8
33473	PR	MLI	rear	ring	40,1	31,8	40,3
33474	PR	MLI	rear	ring	41,1	33,4	41,2
33475	PR	MLI	rear	ring	40,1	31,8	40,2
33476	PR	MLI	rear	ring	36,6	29,0	36,7
34000	SR	front	centre	,	45,5	36,2	45,8
34011	SR	front	ring1	0,	45,5	36,2	45,8
34012	SR	front	ring1	60,	45,5	36,2	45,7
34013	SR	front	ring1	120,	45,6	36,2	45,8
34014	SR	front	ring1	180,	45,5	36,2	45,7
34015	SR	front	ring1	240,	45,6	36,3	45,8
34016	SR	front	ring1	300,	45,5	36,2	45,7
34071	SR	front	ring2	0,	45,5	36,2	45,7
34072	SR	front	ring2	60,	45,5	36,2	45,7
34073	SR	front	ring2	120,	45,5	36,2	45,8
34074	SR	front	ring2	180,	45,5	36,2	45,7
34075	SR	front	ring2	240,	45,6	36,2	45,8
34076	SR	front	ring2	300,	45,5	36,2	45,7
34100	SR	rear	centre	, ,	45,6	36,2	45,8
34111	SR	rear	ring1	0,	45,6	36,3	45,8
34112	SR	rear	ring1	60,	45,5	36,2	45,7
34113	SR	rear	ring1	120,	45,6	36,3	45,8
34114	SR	rear	ring1	180,	45,6	36,2	45,8
34115	SR	rear	ring1	240,	45,7	36,3	45,9
34116	SR	rear	ring1	300,	45,5	36,2	45,8



34171	SR rear ring2 0,	45,5	36,2	45,8
34172	SR rear ring2 60,	45,5	36,2	45,7
34173	SR rear ring2 120,	45,6	36,2	45,8
34174	SR rear ring2 180,	45,5	36,2	45,7
34175	SR rear ring2 240,	45,6	36,3	45,8
34176	SR rear ring2 300,	45,5	36,2	45,7
34200	SR thermal foil ,	45,4	36,1	45,6
34311	SR MLI fwd ring	45,4	36,1	45,6
34312	SR MLI fwd ring	45,4	36,1	45,6
34313	SR MLI fwd ring	45,6	36,2	45,8
34314	SR MLI fwd ring	45,5	36,2	45,7
34315	SR MLI fwd ring	45,7	36,3	45,9
34316	SR MLI fwd ring	45,4	36,1	45,7
34371	SR MLI fwd ring	45,3	36,0	45,5
34372	SR MLI fwd ring	45,3	36,1	45,6
34373	SR MLI fwd ring	45,5	36,2	45,7
34374	SR MLI fwd ring	45,4	36,1	45,6
34375	SR MLI fwd ring	45,6	36,2	45,8
34376	SR MLI fwd ring	45,4	36,1	45,6
34411	SR MLI rear ring	38,7	30,9	38,9
34412	SR MLI rear ring	41,6	33,3	41,8
34413	SR MLI rear ring	44,7	35,4	44,9
34414	SR MLI rear ring	44,3	35,0	44,5
34415	SR MLI rear ring	44,7	35,4	44,9
34416	SR MLI rear ring	41,7	33,4	41,9
34471	SR MLI rear ring	35,8	28,2	35,9
34472	SR MLI rear ring	39,1	31,2	39,3
34473	SR MLI rear ring	43,9	34,9	44,2
34474	SR MLI rear ring	41,9	33,3	42,1
34475	SR MLI rear ring	43,9	34,9	44,1
34476	SR MLI rear ring	39,1	31,2	39,3
35000	frame1_in	46,6	36,6	46,8
35001	frame1_lo	46,9	36,6	47,2
35002	frame1_out	46,4	36,5	46,7
35003	frame1_up	46,4	36,6	46,6
35010	frame1_in	45,8	36,3	46,0
35011	frame1_lo	45,9	36,4	46,2
35012	frame1_out	45,7	36,3	46,0
35013	frame1_up	45,8	36,3	46,0
35020	frame1_in	45,6	35,9	45,9
35021	frame1_lo	46,0	36,0	46,3
35022	frame1_out	45,5	35,8	45,7
35023	frame1_up	45,3	35,7	45,5
35030	frame2_in	45,6	35,9	45,9
35031	frame2_lo	46,0	36,0	46,3
35032	frame2_out	45,5	35,8	45,7
35033	frame2_up	45,3	35,7	45,5
35040	frame2_in	45,2	36,0	45,4
35041	frame2_lo	45,2	36,0	45,4
35042	frame2_out	45,1	35,9	45,3



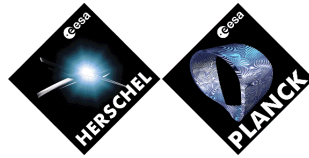
35043	frame2_up	45,1	35,9	45,3
35050	frame2_in	47,4	37,9	47,6
35051	frame2_lo	47,4	37,8	47,6
35052	frame2_out	47,3	37,8	47,5
35053	frame2_up	47,8	38,1	48,0
35060	frame3_in	47,4	37,9	47,6
35061	frame3_lo	47,4	37,8	47,6
35062	frame3_out	47,3	37,8	47,5
35063	frame3_up	47,8	38,1	48,0
35070	frame3_in	46,0	38,3	46,2
35071	frame3_lo	46,2	38,4	46,4
35072	frame3_out	46,4	38,6	46,6
35073	frame3_up	46,0	38,3	46,1
35080	frame3_in	43,9	36,2	44,1
35081	frame3_lo	44,8	36,5	45,0
35082	frame3_out	44,4	36,4	44,6
35083	frame3_up	44,1	36,4	44,3
35090	frame4_in	43,9	36,2	44,1
35091	frame4_lo	44,8	36,5	45,0
35092	frame4_out	44,4	36,4	44,6
35093	frame4_up	44,1	36,4	44,3
35100	frame4_in	43,1	35,7	43,3
35101	frame4_lo	43,2	35,7	43,5
35102	frame4_out	43,1	35,6	43,3
35103	frame4_up	42,9	35,6	43,1
35110	frame4_in	46,1	37,0	46,3
35111	frame4_lo	46,4	36,9	46,6
35112	frame4_out	46,0	36,9	46,2
35113	frame4_up	46,3	37,4	46,5
35120	frame5_in	46,1	37,0	46,3
35121	frame5_lo	46,4	36,9	46,6
35122	frame5_out	46,0	36,9	46,2
35123	frame5_up	46,3	37,4	46,5
35130	frame5_in	45,0	35,6	45,2
35131	frame5_lo	45,0	35,6	45,2
35132	frame5_out	44,8	35,6	45,0
35133	frame5_up	44,8	35,6	45,0
35140	frame5_in	45,7	35,8	45,9
35141	frame5_lo	46,2	35,9	46,4
35142	frame5_out	45,6	35,7	45,8
35143	frame5_up	45,3	35,6	45,5
35150	frame6_in	45,7	35,8	45,9
35151	frame6_lo	46,2	35,9	46,4
35152	frame6_out	45,6	35,7	45,8
35153	frame6_up	45,3	35,6	45,5
35160	frame6_in	45,7	36,2	45,9
35161	frame6_lo	45,8	36,3	46,0
35162	frame6_out	45,6	36,2	45,8
35163	frame6_up	45,6	36,2	45,8
35170	frame6_in	46,6	36,6	46,8



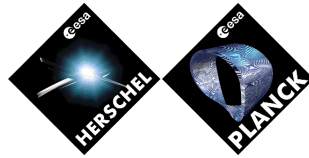
35171	frame6_lo	46,9	36,6	47,2
35172	frame6_out	46,4	36,5	46,7
35173	frame6_up	46,4	36,6	46,6
35210	I/F 1 frame1_in	46,6	36,6	46,8
35211	I/F 1 frame1_lo	46,9	36,6	47,2
35212	I/F 1 frame1_out	46,4	36,5	46,7
35213	I/F 1 frame1_up	46,4	36,6	46,6
35220	I/F 2 frame1_in	45,6	35,9	45,9
35221	I/F 2 frame1_lo	46,0	36,0	46,3
35222	I/F 2 frame1_out	45,5	35,8	45,7
35223	I/F 2 frame1_up	45,3	35,7	45,5
35230	I/F 3 frame2_in	47,4	37,9	47,6
35231	I/F 3 frame2_lo	47,4	37,8	47,6
35232	I/F 3 frame2_out	47,3	37,8	47,5
35233	I/F 3 frame2_up	47,8	38,2	48,0
35240	I/F 4 frame3_in	43,9	36,2	44,1
35241	I/F 4 frame3_lo	44,8	36,5	45,0
35242	I/F 4 frame3_out	44,4	36,4	44,6
35243	I/F 4 frame3_up	44,1	36,4	44,3
35250	I/F 5 frame4_in	46,1	37,0	46,3
35251	I/F 5 frame4_lo	46,4	36,9	46,6
35252	I/F 5 frame4_out	46,0	36,9	46,2
35253	I/F 5 frame4_up	46,3	37,4	46,5
35260	I/F 6 frame5_in	45,7	35,8	45,9
35261	I/F 6 frame5_lo	46,2	35,9	46,4
35262	I/F 6 frame5_out	45,6	35,7	45,8
35263	I/F 6 frame5_up	45,3	35,6	45,5
41000	FEMs	21,8	39,5	21,8
41100	LR2	18,6	39,5	18,6
41500	FPU_MF	21,7	39,5	21,8
42000	LR2 fluid	18,4	39,5	18,4
50110	SShield 1 inf facet 1	129,6	113,5	135,8
50111	SShield 1 inf facet 1	132,0	114,5	138,1
50112	SShield 1 inf facet 1	156,2	138,9	159,7
50115	SShield 1 inf ext fac	132,5	115,8	136,7
50116	SShield 1 inf ext fac	129,5	114,7	133,6
50120	SShield 1 inf facet 1	129,0	113,1	135,3
50121	SShield 1 inf facet 1	132,9	114,5	138,9
50122	SShield 1 inf facet 1	145,1	119,1	150,0
50125	SShield 1 inf ext fac	133,4	115,3	138,1
50126	SShield 1 inf ext fac	128,9	113,6	133,3
50130	SShield 1 inf facet 1	128,6	112,9	134,9
50131	SShield 1 inf facet 1	131,7	113,8	137,7
50135	SShield 1 inf ext fac	129,8	113,2	134,9
50136	SShield 1 inf ext fac	126,2	111,8	131,0
50170	SShield 1 inf facet 1	140,8	117,1	145,9
50171	SShield 1 inf facet 1	140,3	116,9	145,4
50172	SShield 1 inf facet 1	139,8	116,6	144,9
50173	SShield 1 inf facet 1	139,3	116,4	144,5
50174	SShield 1 inf facet 1	138,8	116,2	144,1



50175	SHield 1 inf facet 1	138,4	116,0	143,7
50176	SHield 1 inf facet 1	138,0	115,8	143,3
50177	SHield 1 inf facet 1	137,6	115,6	142,9
50178	SHield 1 inf facet 1	137,3	115,4	142,6
50179	SHield 1 inf facet 1	137,0	115,2	142,3
50180	SHield 1 inf facet 1	136,7	115,0	142,1
50181	SHield 1 inf facet 1	136,5	114,8	141,9
50182	SHield 1 inf facet 1	136,3	114,7	141,7
50183	SHield 1 inf facet 1	136,2	114,5	141,6
50184	SHield 1 inf facet 1	135,7	114,4	141,1
50210	SHield 1 inf facet 2	127,5	112,3	133,8
50211	SHield 1 inf facet 2	128,7	112,4	134,7
50212	SHield 1 inf facet 2	129,3	112,3	135,0
50215	SHield 1 inf ext fac	124,6	110,6	130,2
50216	SHield 1 inf ext fac	121,9	109,5	127,1
50220	SHield 1 inf facet 2	126,4	111,8	132,8
50221	SHield 1 inf facet 2	126,4	111,5	132,6
50222	SHield 1 inf facet 2	125,1	110,6	131,1
50225	SHield 1 inf ext fac	121,3	109,0	127,1
50226	SHield 1 inf ext fac	118,9	107,9	124,4
50230	SHield 1 inf facet 2	125,7	111,4	132,0
50231	SHield 1 inf facet 2	124,4	110,6	130,7
50232	SHield 1 inf facet 2	122,3	109,5	128,5
50235	SHield 1 inf ext fac	119,0	108,0	125,1
50236	SHield 1 inf ext fac	116,9	107,0	122,7
50310	SHield 1 inf facet 3	124,5	110,9	130,9
50311	SHield 1 inf facet 3	122,5	109,8	128,9
50312	SHield 1 inf facet 3	120,1	108,6	126,5
50315	SHield 1 inf ext fac	117,1	107,1	123,4
50316	SHield 1 inf ext fac	115,2	106,2	121,2
50320	SHield 1 inf facet 3	123,9	110,7	130,4
50321	SHield 1 inf facet 3	121,7	109,6	128,2
50322	SHield 1 inf facet 3	119,2	108,3	125,7
50325	SHield 1 inf ext fac	116,1	106,7	122,5
50326	SHield 1 inf ext fac	114,2	105,7	120,3
50330	SHield 1 inf facet 3	123,6	110,6	130,1
50331	SHield 1 inf facet 3	121,3	109,4	127,8
50332	SHield 1 inf facet 3	118,7	108,1	125,3
50335	SHield 1 inf ext fac	115,8	106,7	122,3
50336	SHield 1 inf ext fac	114,0	105,7	120,1
50410	SHield 1 inf facet 4	123,6	110,8	130,1
50411	SHield 1 inf facet 4	121,3	109,6	127,9
50412	SHield 1 inf facet 4	118,8	108,3	125,4
50415	SHield 1 inf ext fac	116,1	107,0	122,6
50416	SHield 1 inf ext fac	114,3	106,0	120,4
50420	SHield 1 inf facet 4	124,0	111,0	130,5
50421	SHield 1 inf facet 4	121,8	109,9	128,3
50422	SHield 1 inf facet 4	119,5	108,8	126,0
50425	SHield 1 inf ext fac	116,6	107,4	123,1
50426	SHield 1 inf ext fac	114,8	106,4	120,9



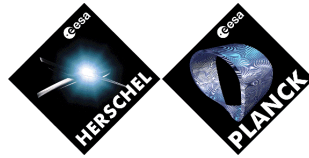
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50431	SHield 1 inf facet 4	122,6	110,5	129,1
50432	SHield 1 inf facet 4	120,3	109,4	126,8
50435	SHield 1 inf ext fac	117,7	108,1	124,1
50436	SHield 1 inf ext fac	116,1	107,2	122,1
50510	SHield 1 inf facet 5	125,5	111,9	131,9
50511	SHield 1 inf facet 5	124,3	111,4	130,7
50512	SHield 1 inf facet 5	122,4	110,6	128,7
50515	SHield 1 inf ext fac	119,7	109,4	125,9
50516	SHield 1 inf ext fac	117,8	108,3	123,6
50520	SHield 1 inf facet 5	126,5	112,4	132,9
50521	SHield 1 inf facet 5	126,0	112,4	132,3
50522	SHield 1 inf facet 5	125,0	112,1	131,2
50525	SHield 1 inf ext fac	122,0	110,8	127,9
50526	SHield 1 inf ext fac	119,7	109,6	125,3
50530	SHield 1 inf facet 5	127,3	112,7	133,6
50531	SHield 1 inf facet 5	128,1	113,5	134,3
50532	SHield 1 inf facet 5	128,2	113,9	134,2
50535	SHield 1 inf ext fac	125,4	112,7	131,0
50536	SHield 1 inf ext fac	122,9	111,5	128,1
50610	SHield 1 inf facet 6	128,6	113,3	134,9
50611	SHield 1 inf facet 6	131,0	114,9	137,2
50615	SHield 1 inf ext fac	130,7	115,5	135,8
50616	SHield 1 inf ext fac	127,3	113,9	132,1
50620	SHield 1 inf facet 6	129,2	113,5	135,6
50621	SHield 1 inf facet 6	131,8	115,1	138,0
50622	SHield 1 inf facet 6	141,7	120,8	146,7
50625	SHield 1 inf ext fac	132,7	116,6	137,4
50626	SHield 1 inf ext fac	128,8	114,7	133,2
50630	SHield 1 inf facet 6	129,5	113,6	135,8
50631	SHield 1 inf facet 6	131,7	114,8	137,9
50632	SHield 1 inf facet 6	157,9	140,1	161,6
50635	SHield 1 inf ext fac	132,3	116,0	136,5
50636	SHield 1 inf ext fac	129,5	114,8	133,6
50670	SHield 1 inf facet 6	131,9	115,9	137,7
50671	SHield 1 inf facet 6	132,4	116,1	138,2
50672	SHield 1 inf facet 6	132,8	116,3	138,5
50673	SHield 1 inf facet 6	133,2	116,5	138,9
50674	SHield 1 inf facet 6	133,6	116,7	139,3
50675	SHield 1 inf facet 6	134,0	116,9	139,7
50676	SHield 1 inf facet 6	134,5	117,2	140,1
50677	SHield 1 inf facet 6	134,9	117,4	140,5
50678	SHield 1 inf facet 6	135,4	117,6	141,0
50679	SHield 1 inf facet 6	135,9	117,9	141,4
50680	SHield 1 inf facet 6	136,5	118,2	141,9
50681	SHield 1 inf facet 6	137,0	118,5	142,5
50682	SHield 1 inf facet 6	137,6	118,8	143,0
50683	SHield 1 inf facet 6	138,3	119,1	143,6
50684	SHield 1 inf facet 6	138,9	119,4	144,2
51110	SHield 1 sup facet 1	129,5	113,5	135,8



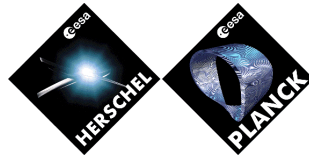
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51112	SShield 1 sup facet 1	156,2	138,9	159,6
51115	SShield 1 sup ext fac	132,4	115,7	136,7
51116	SShield 1 sup ext fac	129,5	114,7	133,6
51120	SShield 1 sup facet 1	129,0	113,1	135,2
51121	SShield 1 sup facet 1	132,9	114,5	138,8
51122	SShield 1 sup facet 1	145,8	119,3	150,6
51125	SShield 1 sup ext fac	133,4	115,3	138,1
51126	SShield 1 sup ext fac	128,9	113,6	133,3
51130	SShield 1 sup facet 1	128,6	112,8	134,9
51131	SShield 1 sup facet 1	131,7	113,8	137,6
51135	SShield 1 sup ext fac	129,8	113,2	134,9
51136	SShield 1 sup ext fac	126,2	111,8	131,0
51170	SShield 1 sup facet 1	140,9	117,2	146,0
51171	SShield 1 sup facet 1	140,3	116,9	145,5
51172	SShield 1 sup facet 1	139,8	116,6	144,9
51173	SShield 1 sup facet 1	139,3	116,4	144,5
51174	SShield 1 sup facet 1	138,8	116,2	144,0
51175	SShield 1 sup facet 1	138,4	116,0	143,6
51176	SShield 1 sup facet 1	138,0	115,8	143,2
51177	SShield 1 sup facet 1	137,6	115,6	142,9
51178	SShield 1 sup facet 1	137,2	115,4	142,5
51179	SShield 1 sup facet 1	136,9	115,2	142,2
51180	SShield 1 sup facet 1	136,6	115,0	141,9
51181	SShield 1 sup facet 1	136,3	114,8	141,6
51182	SShield 1 sup facet 1	135,9	114,7	141,3
51183	SShield 1 sup facet 1	135,6	114,5	141,0
51184	SShield 1 sup facet 1	135,2	114,3	140,6
51210	SShield 1 sup facet 2	127,5	112,3	133,8
51211	SShield 1 sup facet 2	128,6	112,4	134,7
51212	SShield 1 sup facet 2	129,3	112,3	135,0
51215	SShield 1 sup ext fac	124,6	110,6	130,1
51216	SShield 1 sup ext fac	121,9	109,5	127,1
51220	SShield 1 sup facet 2	126,4	111,8	132,7
51221	SShield 1 sup facet 2	126,4	111,5	132,5
51222	SShield 1 sup facet 2	125,1	110,6	131,1
51225	SShield 1 sup ext fac	121,3	109,0	127,1
51226	SShield 1 sup ext fac	118,8	107,9	124,3
51230	SShield 1 sup facet 2	125,6	111,4	132,0
51231	SShield 1 sup facet 2	124,4	110,6	130,6
51232	SShield 1 sup facet 2	122,3	109,5	128,5
51235	SShield 1 sup ext fac	119,0	108,0	125,1
51236	SShield 1 sup ext fac	116,9	106,9	122,7
51310	SShield 1 sup facet 3	124,5	110,9	130,9
51311	SShield 1 sup facet 3	122,5	109,8	128,9
51312	SShield 1 sup facet 3	120,1	108,6	126,5
51315	SShield 1 sup ext fac	117,1	107,1	123,4
51316	SShield 1 sup ext fac	115,2	106,1	121,2
51320	SShield 1 sup facet 3	123,9	110,7	130,3
51321	SShield 1 sup facet 3	121,7	109,6	128,2



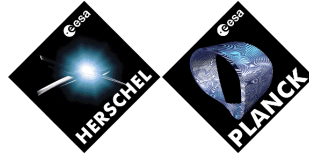
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51325	SShield 1 sup ext fac	116,1	106,7	122,5
51326	SShield 1 sup ext fac	114,2	105,7	120,2
51330	SShield 1 sup facet 3	123,6	110,6	130,1
51331	SShield 1 sup facet 3	121,3	109,4	127,8
51332	SShield 1 sup facet 3	118,7	108,1	125,3
51335	SShield 1 sup ext fac	115,8	106,7	122,3
51336	SShield 1 sup ext fac	113,9	105,7	120,1
51410	SShield 1 sup facet 4	123,6	110,7	130,1
51411	SShield 1 sup facet 4	121,3	109,6	127,8
51412	SShield 1 sup facet 4	118,8	108,3	125,4
51415	SShield 1 sup ext fac	116,1	107,0	122,5
51416	SShield 1 sup ext fac	114,2	106,0	120,4
51420	SShield 1 sup facet 4	123,9	111,0	130,4
51421	SShield 1 sup facet 4	121,7	109,9	128,3
51422	SShield 1 sup facet 4	119,4	108,8	126,0
51425	SShield 1 sup ext fac	116,6	107,4	123,0
51426	SShield 1 sup ext fac	114,8	106,4	120,9
51430	SShield 1 sup facet 4	124,3	111,2	130,8
51431	SShield 1 sup facet 4	122,5	110,4	129,1
51432	SShield 1 sup facet 4	120,3	109,4	126,8
51435	SShield 1 sup ext fac	117,7	108,1	124,1
51436	SShield 1 sup ext fac	116,0	107,2	122,1
51510	SShield 1 sup facet 5	125,5	111,8	131,9
51511	SShield 1 sup facet 5	124,2	111,4	130,7
51512	SShield 1 sup facet 5	122,4	110,6	128,7
51515	SShield 1 sup ext fac	119,7	109,4	125,8
51516	SShield 1 sup ext fac	117,8	108,3	123,6
51520	SShield 1 sup facet 5	126,5	112,4	132,9
51521	SShield 1 sup facet 5	126,0	112,4	132,3
51522	SShield 1 sup facet 5	125,0	112,1	131,1
51525	SShield 1 sup ext fac	121,9	110,8	127,8
51526	SShield 1 sup ext fac	119,7	109,6	125,2
51530	SShield 1 sup facet 5	127,2	112,7	133,6
51531	SShield 1 sup facet 5	128,0	113,4	134,3
51532	SShield 1 sup facet 5	128,2	113,9	134,2
51535	SShield 1 sup ext fac	125,3	112,7	130,9
51536	SShield 1 sup ext fac	122,9	111,5	128,1
51610	SShield 1 sup facet 6	128,6	113,3	134,9
51611	SShield 1 sup facet 6	130,9	114,8	137,1
51615	SShield 1 sup ext fac	130,7	115,5	135,8
51616	SShield 1 sup ext fac	127,3	113,9	132,1
51620	SShield 1 sup facet 6	129,2	113,5	135,5
51621	SShield 1 sup facet 6	131,8	115,1	137,9
51622	SShield 1 sup facet 6	142,3	121,0	147,3
51625	SShield 1 sup ext fac	132,7	116,6	137,4
51626	SShield 1 sup ext fac	128,8	114,7	133,2
51630	SShield 1 sup facet 6	129,4	113,6	135,7
51631	SShield 1 sup facet 6	131,6	114,8	137,8
51632	SShield 1 sup facet 6	157,9	140,1	161,5



51635	SShield 1 sup ext fac	132,2	116,0	136,5
51636	SShield 1 sup ext fac	129,5	114,8	133,6
51670	SShield 1 sup facet 6	131,8	115,8	137,6
51671	SShield 1 sup facet 6	132,2	116,1	138,0
51672	SShield 1 sup facet 6	132,7	116,3	138,4
51673	SShield 1 sup facet 6	133,1	116,5	138,8
51674	SShield 1 sup facet 6	133,5	116,7	139,2
51675	SShield 1 sup facet 6	133,9	116,9	139,6
51676	SShield 1 sup facet 6	134,4	117,1	140,0
51677	SShield 1 sup facet 6	134,9	117,4	140,5
51678	SShield 1 sup facet 6	135,4	117,6	140,9
51679	SShield 1 sup facet 6	135,9	117,9	141,4
51680	SShield 1 sup facet 6	136,4	118,1	141,9
51681	SShield 1 sup facet 6	137,0	118,4	142,4
51682	SShield 1 sup facet 6	137,6	118,8	143,0
51683	SShield 1 sup facet 6	138,3	119,1	143,6
51684	SShield 1 sup facet 6	139,1	119,5	144,3
52100	SShield 1 b facet 1	127,4	113,7	131,3
52101	SShield 1 b facet 1	126,9	112,7	131,0
52102	SShield 1 b facet 1	124,3	110,9	128,8
52200	SShield 1 b facet 2	120,2	108,6	125,2
52201	SShield 1 b facet 2	117,3	107,1	122,6
52202	SShield 1 b facet 2	115,5	106,2	121,0
52300	SShield 1 b facet 3	113,8	105,4	119,5
52301	SShield 1 b facet 3	112,8	104,9	118,6
52302	SShield 1 b facet 3	112,6	104,9	118,5
52400	SShield 1 b facet 4	112,9	105,2	118,8
52401	SShield 1 b facet 4	113,5	105,6	119,3
52402	SShield 1 b facet 4	114,7	106,4	120,4
52500	SShield 1 b facet 5	116,3	107,5	121,9
52501	SShield 1 b facet 5	118,1	108,8	123,4
52502	SShield 1 b facet 5	121,1	110,6	126,1
52600	SShield 1 b facet 6	125,3	112,9	129,9
52601	SShield 1 b facet 6	126,8	113,7	130,9
52602	SShield 1 b facet 6	127,4	113,8	131,3
59000	scr_VG1	136,6	114,5	142,0
59010	scn_VG1	132,4	116,2	138,2
60110	shield 2 inf facet 1	84,2	69,9	86,2
60111	shield 2 inf facet 1	84,9	70,0	86,9
60112	shield 2 inf facet 1	94,6	80,2	96,8
60115	shield 2 inf ext fac	84,2	70,3	86,1
60116	shield 2 inf ext fac	83,9	70,3	85,7
60120	shield 2 inf facet 1	84,3	69,8	86,3
60121	shield 2 inf facet 1	85,4	70,0	87,4
60122	shield 2 inf facet 1	87,7	70,5	89,7
60125	shield 2 inf ext fac	85,6	70,4	87,5
60126	shield 2 inf ext fac	84,8	70,5	86,7
60130	shield 2 inf facet 1	84,2	69,8	86,2
60131	shield 2 inf facet 1	85,4	69,9	87,4
60135	shield 2 inf ext fac	85,6	70,0	87,5



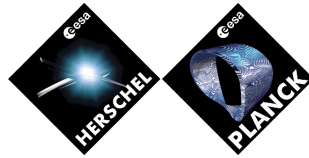
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60172	shield 2 inf facet 1	87,7	70,2	89,6
60173	shield 2 inf facet 1	87,7	70,2	89,7
60174	shield 2 inf facet 1	87,7	70,2	89,7
60175	shield 2 inf facet 1	87,7	70,1	89,7
60176	shield 2 inf facet 1	87,8	70,1	89,8
60177	shield 2 inf facet 1	87,8	70,1	89,8
60178	shield 2 inf facet 1	87,9	70,1	89,9
60179	shield 2 inf facet 1	88,0	70,1	90,0
60180	shield 2 inf facet 1	88,1	70,1	90,1
60181	shield 2 inf facet 1	88,2	70,0	90,2
60182	shield 2 inf facet 1	88,4	70,0	90,4
60183	shield 2 inf facet 1	88,6	70,0	90,6
60184	shield 2 inf facet 1	88,4	70,0	90,4
60210	shield 2 inf facet 2	84,0	69,7	86,0
60211	shield 2 inf facet 2	84,8	69,8	86,8
60212	shield 2 inf facet 2	85,9	69,8	87,8
60215	shield 2 inf ext fac	84,6	69,6	86,5
60216	shield 2 inf ext fac	83,9	69,5	85,8
60220	shield 2 inf facet 2	83,9	69,7	85,9
60221	shield 2 inf facet 2	84,1	69,6	86,1
60222	shield 2 inf facet 2	84,1	69,5	86,1
60225	shield 2 inf ext fac	83,4	69,4	85,3
60226	shield 2 inf ext fac	82,9	69,2	84,8
60230	shield 2 inf facet 2	83,5	69,6	85,5
60231	shield 2 inf facet 2	83,4	69,5	85,4
60232	shield 2 inf facet 2	83,1	69,4	85,0
60235	shield 2 inf ext fac	82,4	69,2	84,3
60236	shield 2 inf ext fac	82,0	69,1	83,8
60310	shield 2 inf facet 3	83,2	69,6	85,2
60311	shield 2 inf facet 3	82,9	69,4	84,9
60312	shield 2 inf facet 3	82,4	69,3	84,4
60315	shield 2 inf ext fac	81,7	69,1	83,6
60316	shield 2 inf ext fac	81,3	69,0	83,2
60320	shield 2 inf facet 3	83,1	69,5	85,1
60321	shield 2 inf facet 3	82,5	69,4	84,5
60322	shield 2 inf facet 3	81,9	69,2	83,9
60325	shield 2 inf ext fac	81,2	69,1	83,1
60326	shield 2 inf ext fac	80,8	68,9	82,7
60330	shield 2 inf facet 3	82,9	69,5	84,9
60331	shield 2 inf facet 3	82,3	69,4	84,2
60332	shield 2 inf facet 3	81,6	69,2	83,5
60335	shield 2 inf ext fac	80,9	69,1	82,8
60336	shield 2 inf ext fac	80,5	69,0	82,4
60410	shield 2 inf facet 4	82,8	69,5	84,8
60411	shield 2 inf facet 4	82,1	69,4	84,1
60412	shield 2 inf facet 4	81,4	69,3	83,4
60415	shield 2 inf ext fac	80,7	69,2	82,6



60416	shield 2 inf ext fac	80,4	69,3	82,2
60420	shield 2 inf facet 4	82,8	69,6	84,8
60421	shield 2 inf facet 4	82,1	69,4	84,1
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60425	shield 2 inf ext fac	80,8	69,2	82,7
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60430	shield 2 inf facet 4	82,9	69,6	84,8
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60432	shield 2 inf facet 4	81,6	69,4	83,6
60435	shield 2 inf ext fac	80,9	69,2	82,8
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60520	shield 2 inf facet 5	83,1	69,7	85,1
60521	shield 2 inf facet 5	82,8	69,7	84,8
60522	shield 2 inf facet 5	82,4	69,7	84,4
60525	shield 2 inf ext fac	81,7	69,5	83,6
60526	shield 2 inf ext fac	81,3	69,4	83,2
60530	shield 2 inf facet 5	83,4	69,8	85,5
60531	shield 2 inf facet 5	83,3	69,9	85,3
60532	shield 2 inf facet 5	83,1	69,9	85,1
60535	shield 2 inf ext fac	82,3	69,7	84,3
60536	shield 2 inf ext fac	81,9	69,6	83,8
60610	shield 2 inf facet 6	83,7	69,9	85,8
60611	shield 2 inf facet 6	83,8	70,0	85,8
60615	shield 2 inf ext fac	83,1	70,0	85,0
60616	shield 2 inf ext fac	82,6	69,9	84,5
60620	shield 2 inf facet 6	83,9	69,9	85,9
60621	shield 2 inf facet 6	84,1	70,1	86,1
60622	shield 2 inf facet 6	85,2	70,9	87,3
60625	shield 2 inf ext fac	83,6	70,3	85,5
60626	shield 2 inf ext fac	83,1	70,1	85,0
60630	shield 2 inf facet 6	84,1	69,9	86,1
60631	shield 2 inf facet 6	84,4	70,1	86,5
60632	shield 2 inf facet 6	94,5	80,6	96,8
60635	shield 2 inf ext fac	83,6	70,2	85,5
60636	shield 2 inf ext fac	83,3	70,1	85,2
60670	shield 2 inf facet 6	83,6	70,2	85,6
60671	shield 2 inf facet 6	83,6	70,2	85,6
60672	shield 2 inf facet 6	83,6	70,2	85,6
60673	shield 2 inf facet 6	83,7	70,2	85,7
60674	shield 2 inf facet 6	83,7	70,2	85,7
60675	shield 2 inf facet 6	83,8	70,3	85,8
60676	shield 2 inf facet 6	83,8	70,3	85,8
60677	shield 2 inf facet 6	83,8	70,3	85,9
60678	shield 2 inf facet 6	83,9	70,3	85,9
60679	shield 2 inf facet 6	83,9	70,3	86,0



60680	shield 2 inf facet 6	84,0	70,4	86,0
60681	shield 2 inf facet 6	84,0	70,4	86,1
60682	shield 2 inf facet 6	84,1	70,4	86,1
60683	shield 2 inf facet 6	84,2	70,4	86,2
60684	shield 2 inf facet 6	84,2	70,5	86,2
61110	shield 2 sup facet 1	84,2	69,9	86,2
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61120	shield 2 sup facet 1	84,3	69,8	86,3
61121	shield 2 sup facet 1	85,4	70,0	87,4
61122	shield 2 sup facet 1	87,8	70,5	89,8
61125	shield 2 sup ext fac	85,6	70,4	87,5
61126	shield 2 sup ext fac	84,8	70,5	86,7
61130	shield 2 sup facet 1	84,2	69,8	86,2
61131	shield 2 sup facet 1	85,4	69,9	87,4
61135	shield 2 sup ext fac	85,6	70,0	87,5
61136	shield 2 sup ext fac	84,8	69,9	86,6
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61177	shield 2 sup facet 1	87,7	70,1	89,7
61178	shield 2 sup facet 1	87,8	70,1	89,8
61179	shield 2 sup facet 1	87,8	70,1	89,8
61180	shield 2 sup facet 1	87,8	70,1	89,8
61181	shield 2 sup facet 1	87,8	70,0	89,8
61182	shield 2 sup facet 1	87,8	70,0	89,8
61183	shield 2 sup facet 1	87,8	70,0	89,8
61184	shield 2 sup facet 1	87,7	70,0	89,7
61210	shield 2 sup facet 2	84,0	69,7	86,0
61211	shield 2 sup facet 2	84,8	69,8	86,8
61212	shield 2 sup facet 2	85,9	69,8	87,8
61215	shield 2 sup ext fac	84,6	69,6	86,5
61216	shield 2 sup ext fac	83,9	69,5	85,8
61220	shield 2 sup facet 2	83,9	69,7	85,9
61221	shield 2 sup facet 2	84,1	69,6	86,1
61222	shield 2 sup facet 2	84,1	69,5	86,1
61225	shield 2 sup ext fac	83,4	69,4	85,3
61226	shield 2 sup ext fac	82,9	69,2	84,8
61230	shield 2 sup facet 2	83,5	69,6	85,5
61231	shield 2 sup facet 2	83,4	69,5	85,4
61232	shield 2 sup facet 2	83,1	69,4	85,0
61235	shield 2 sup ext fac	82,4	69,2	84,3
61236	shield 2 sup ext fac	82,0	69,1	83,8
61310	shield 2 sup facet 3	83,2	69,6	85,2



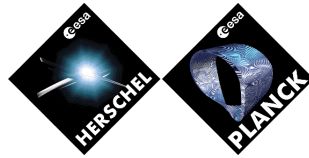
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61315	shield 2 sup ext fac	81,7	69,1	83,6
61316	shield 2 sup ext fac	81,3	69,0	83,2
61320	shield 2 sup facet 3	83,1	69,5	85,0
61321	shield 2 sup facet 3	82,5	69,4	84,5
61322	shield 2 sup facet 3	81,9	69,2	83,9
61325	shield 2 sup ext fac	81,2	69,1	83,1
61326	shield 2 sup ext fac	80,8	68,9	82,7
61330	shield 2 sup facet 3	82,9	69,5	84,9
61331	shield 2 sup facet 3	82,3	69,4	84,2
61332	shield 2 sup facet 3	81,6	69,2	83,5
61335	shield 2 sup ext fac	80,9	69,1	82,8
61336	shield 2 sup ext fac	80,5	69,0	82,4
61410	shield 2 sup facet 4	82,8	69,5	84,8
61411	shield 2 sup facet 4	82,1	69,4	84,1
61412	shield 2 sup facet 4	81,4	69,3	83,4
61415	shield 2 sup ext fac	80,7	69,2	82,6
61416	shield 2 sup ext fac	80,4	69,3	82,2
61420	shield 2 sup facet 4	82,8	69,6	84,7
61421	shield 2 sup facet 4	82,1	69,4	84,1
61422	shield 2 sup facet 4	81,5	69,3	83,4
61425	shield 2 sup ext fac	80,8	69,2	82,7
61426	shield 2 sup ext fac	80,4	69,1	82,3
61430	shield 2 sup facet 4	82,8	69,6	84,8
61431	shield 2 sup facet 4	82,3	69,5	84,2
61432	shield 2 sup facet 4	81,6	69,4	83,6
61435	shield 2 sup ext fac	80,9	69,2	82,8
61436	shield 2 sup ext fac	80,5	69,1	82,4
61510	shield 2 sup facet 5	83,0	69,7	85,0
61511	shield 2 sup facet 5	82,5	69,6	84,5
61512	shield 2 sup facet 5	81,9	69,5	83,8
61515	shield 2 sup ext fac	81,2	69,3	83,1
61516	shield 2 sup ext fac	80,8	69,2	82,7
61520	shield 2 sup facet 5	83,1	69,7	85,1
61521	shield 2 sup facet 5	82,8	69,7	84,8
61522	shield 2 sup facet 5	82,4	69,7	84,4
61525	shield 2 sup ext fac	81,7	69,5	83,6
61526	shield 2 sup ext fac	81,3	69,4	83,2
61530	shield 2 sup facet 5	83,4	69,8	85,4
61531	shield 2 sup facet 5	83,3	69,9	85,3
61532	shield 2 sup facet 5	83,1	69,9	85,0
61535	shield 2 sup ext fac	82,3	69,7	84,3
61536	shield 2 sup ext fac	81,9	69,6	83,8
61610	shield 2 sup facet 6	83,7	69,9	85,7
61611	shield 2 sup facet 6	83,8	70,0	85,8
61615	shield 2 sup ext fac	83,1	70,0	85,0
61616	shield 2 sup ext fac	82,6	69,9	84,5
61620	shield 2 sup facet 6	83,9	69,9	85,9
61621	shield 2 sup facet 6	84,1	70,1	86,1



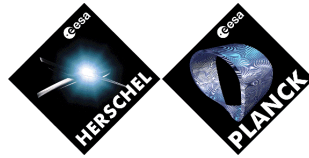
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61625	shield 2 sup ext fac	83,6	70,3	85,5
61626	shield 2 sup ext fac	83,1	70,1	85,0
61630	shield 2 sup facet 6	84,1	69,9	86,1
61631	shield 2 sup facet 6	84,4	70,0	86,4
61632	shield 2 sup facet 6	94,5	80,6	96,8
61635	shield 2 sup ext fac	83,6	70,2	85,5
61636	shield 2 sup ext fac	83,3	70,1	85,2
61670	shield 2 sup facet 6	83,5	70,2	85,6
61671	shield 2 sup facet 6	83,6	70,2	85,6
61672	shield 2 sup facet 6	83,6	70,2	85,6
61673	shield 2 sup facet 6	83,7	70,2	85,7
61674	shield 2 sup facet 6	83,7	70,2	85,7
61675	shield 2 sup facet 6	83,8	70,2	85,8
61676	shield 2 sup facet 6	83,8	70,3	85,8
61677	shield 2 sup facet 6	83,8	70,3	85,9
61678	shield 2 sup facet 6	83,9	70,3	85,9
61679	shield 2 sup facet 6	83,9	70,3	85,9
61680	shield 2 sup facet 6	84,0	70,4	86,0
61681	shield 2 sup facet 6	84,0	70,4	86,0
61682	shield 2 sup facet 6	84,1	70,4	86,1
61683	shield 2 sup facet 6	84,1	70,4	86,2
61684	shield 2 sup facet 6	84,2	70,4	86,2
62100	SHield 2 b facet 1	83,5	70,2	85,3
62101	SHield 2 b facet 1	84,4	70,3	86,3
62102	SHield 2 b facet 1	84,4	69,8	86,2
62200	SHield 2 b facet 2	83,6	69,4	85,4
62201	SHield 2 b facet 2	82,6	69,1	84,4
62202	SHield 2 b facet 2	81,7	68,9	83,5
62300	SHield 2 b facet 3	81,0	68,8	82,8
62301	SHield 2 b facet 3	80,5	68,8	82,3
62302	SHield 2 b facet 3	80,2	68,9	82,0
62400	SHield 2 b facet 4	80,0	69,2	81,9
62401	SHield 2 b facet 4	80,1	69,0	81,9
62402	SHield 2 b facet 4	80,2	69,0	82,1
62500	SHield 2 b facet 5	80,5	69,0	82,4
62501	SHield 2 b facet 5	81,0	69,2	82,9
62502	SHield 2 b facet 5	81,6	69,5	83,4
62600	SHield 2 b facet 6	82,2	69,7	84,1
62601	SHield 2 b facet 6	82,7	69,9	84,6
62602	SHield 2 b facet 6	83,0	70,0	84,8
69000	scr_VG2	89,0	70,0	91,0
69010	scn_VG2	83,6	70,2	85,6
70110	SHield 3 inf facet 1	50,8	37,2	51,1
70111	SHield 3 inf facet 1	51,5	37,3	51,8
70112	SHield 3 inf facet 1	57,6	47,3	58,7
70115	SHield 3 inf ext fac	50,4	37,0	50,7
70116	SHield 3 inf ext fac	50,4	37,0	50,6
70117	SHield 3 inf ext fac	50,4	37,0	50,7
70118	SHield 3 inf facet 1	50,8	37,2	51,1



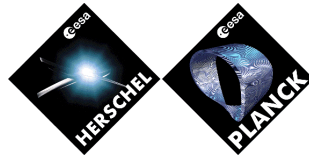
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70122	SHield 3 inf facet 1	50,7	37,2	51,0
70123	SHield 3 inf facet 1	51,8	37,2	52,1
70124	SHield 3 inf facet 1	52,3	37,2	52,6
70125	SHield 3 inf ext fac	51,1	37,1	51,4
70126	SHield 3 inf ext fac	50,9	37,1	51,2
70127	SHield 3 inf ext fac	50,8	37,1	51,1
70134	SHield 3 inf facet 1	52,0	37,2	52,3
70135	SHield 3 inf ext fac	50,8	37,1	51,1
70136	SHield 3 inf ext fac	50,6	37,1	50,9
70137	SHield 3 inf ext fac	50,5	37,1	50,8
70170	SHield 3 inf facet 1	53,4	37,5	53,7
70171	SHield 3 inf facet 1	53,3	37,5	53,7
70172	SHield 3 inf facet 1	53,3	37,4	53,6
70173	SHield 3 inf facet 1	53,3	37,4	53,6
70174	SHield 3 inf facet 1	53,3	37,4	53,6
70175	SHield 3 inf facet 1	53,3	37,4	53,7
70176	SHield 3 inf facet 1	53,4	37,4	53,8
70177	SHield 3 inf facet 1	53,6	37,3	54,0
70178	SHield 3 inf facet 1	53,9	37,3	54,3
70179	SHield 3 inf facet 1	54,4	37,3	54,8
70180	SHield 3 inf facet 1	53,9	37,3	54,3
70181	SHield 3 inf facet 1	53,6	37,3	54,0
70182	SHield 3 inf facet 1	53,4	37,3	53,7
70183	SHield 3 inf facet 1	53,2	37,3	53,6
70184	SHield 3 inf facet 1	53,1	37,3	53,4
70185	SHield 3 inf facet 1	53,0	37,3	53,4
70186	SHield 3 inf facet 1	53,0	37,3	53,3
70187	SHield 3 inf facet 1	52,9	37,3	53,3
70188	SHield 3 inf facet 1	53,0	37,3	53,3
70189	SHield 3 inf facet 1	52,7	37,2	53,1
70210	SHield3_inf_facet2	50,6	37,2	50,9
70211	SHield3_inf_facet2	51,1	37,1	51,4
70212	SHield3_inf_facet2	50,9	37,1	51,2
70213	SHield3_inf_facet2	51,0	37,1	51,3
70214	SHield3_inf_facet2	50,6	37,2	50,9
70215	SHield3_inf_facet2	50,5	37,1	50,8
70216	SHield3_inf_facet2	50,3	37,0	50,6
70217	SHield3_inf_facet2	50,4	37,0	50,7
70220	SHield3_inf_facet2	50,5	37,2	50,8
70221	SHield3_inf_facet2	50,3	37,1	50,6
70222	SHield3_inf_facet2	50,0	37,0	50,3
70223	SHield3_inf_facet2	50,1	37,0	50,4
70225	SHield3_inf_ext_facet2	50,1	37,0	50,4
70226	SHield3_inf_ext_facet2	50,0	37,0	50,3
70227	SHield3_inf_ext_facet2	50,0	37,0	50,3
70230	SHield3_inf_facet2	50,4	37,1	50,7
70231	SHield3_inf_facet2	50,1	37,1	50,4



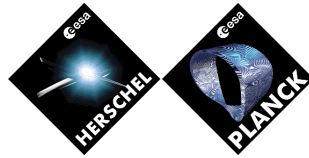
70232	SHield3_inf_facet2	49,8	37,0	50,1
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70235	SHield3_inf_ext_facet2	49,8	37,0	50,0
70236	SHield3_inf_ext_facet2	49,7	37,0	50,0
70237	SHield3_inf_ext_facet2	49,6	37,0	49,9
70270	SHield3_inf_ext_facet2	50,8	37,1	51,1
70271	SHield3_inf_ext_facet2	50,6	37,1	50,9
70272	SHield3_inf_ext_facet2	50,5	37,1	50,8
70273	SHield3_inf_ext_facet2	50,8	37,1	51,1
70274	SHield3_inf_ext_facet2	50,6	37,1	50,9
70275	SHield3_inf_ext_facet2	50,5	37,0	50,8
70276	SHield3_inf_ext_facet2	50,6	37,1	50,9
70277	SHield3_inf_ext_facet2	50,4	37,0	50,7
70278	SHield3_inf_ext_facet2	50,4	37,0	50,7
70310	SHield 3 inf facet 3	50,3	37,1	50,6
70311	SHield 3 inf facet 3	50,0	37,1	50,3
70312	SHield 3 inf facet 3	49,8	37,1	50,1
70313	SHield 3 inf facet 3	49,7	37,1	50,0
70315	SHield 3 inf ext fac	49,5	37,0	49,8
70316	SHield 3 inf ext fac	49,4	37,0	49,7
70317	SHield 3 inf ext fac	49,4	37,0	49,7
70320	SHield 3 inf facet 3	50,3	37,1	50,6
70321	SHield 3 inf facet 3	49,9	37,1	50,2
70322	SHield 3 inf facet 3	49,6	37,1	49,9
70323	SHield 3 inf facet 3	49,5	37,1	49,8
70325	SHield 3 inf ext fac	49,3	37,0	49,6
70326	SHield 3 inf ext fac	49,2	37,0	49,5
70327	SHield 3 inf ext fac	49,2	37,0	49,5
70330	SHield 3 inf facet 3	50,2	37,1	50,5
70331	SHield 3 inf facet 3	49,8	37,1	50,1
70332	SHield 3 inf facet 3	49,5	37,1	49,8
70333	SHield 3 inf facet 3	49,4	37,1	49,7
70335	SHield 3 inf ext fac	49,2	37,1	49,5
70336	SHield 3 inf ext fac	49,1	37,1	49,4
70337	SHield 3 inf ext fac	49,1	37,1	49,4
70410	SHield 3 inf facet 4	50,2	37,1	50,5
70411	SHield 3 inf facet 4	49,8	37,1	50,1
70412	SHield 3 inf facet 4	49,5	37,1	49,8
70413	SHield 3 inf facet 4	49,4	37,2	49,7
70415	SHield 3 inf ext fac	49,1	37,2	49,4
70416	SHield 3 inf ext fac	49,0	37,3	49,3
70417	SHield 3 inf ext fac	49,0	37,3	49,2
70420	SHield 3 inf facet 4	50,2	37,1	50,5
70421	SHield 3 inf facet 4	49,7	37,1	50,0
70422	SHield 3 inf facet 4	49,5	37,1	49,7
70423	SHield 3 inf facet 4	49,3	37,1	49,6
70425	SHield 3 inf ext fac	49,0	37,1	49,3
70426	SHield 3 inf ext fac	49,0	37,2	49,2
70427	SHield 3 inf ext fac	48,9	37,2	49,2
70430	SHield 3 inf facet 4	50,2	37,1	50,5



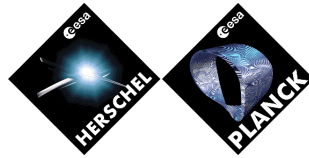
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70433	SHield 3 inf facet 4	49,3	37,1	49,6
70435	SHield 3 inf ext fac	49,0	37,1	49,3
70436	SHield 3 inf ext fac	49,0	37,1	49,2
70437	SHield 3 inf ext fac	48,9	37,1	49,2
70510	SHield3_inf_facet5	50,3	37,2	50,6
70511	SHield3_inf_facet5	49,8	37,1	50,1
70512	SHield3_inf_facet5	49,5	37,1	49,8
70513	SHield3_inf_facet5	49,5	37,1	49,8
70514	SHield3_inf_facet5	50,3	37,2	50,6
70515	SHield3_inf_facet5	49,8	37,1	50,1
70516	SHield3_inf_facet5	49,6	37,1	49,9
70517	SHield3_inf_facet5	49,6	37,1	49,9
70520	SHield3_inf_facet5	50,4	37,2	50,7
70521	SHield3_inf_facet5	50,0	37,1	50,3
70522	SHield3_inf_facet5	49,7	37,1	50,0
70523	SHield3_inf_facet5	49,8	37,1	50,1
70525	SHield3_inf_ext_facet5	49,6	37,1	49,9
70526	SHield3_inf_ext_facet5	49,5	37,0	49,8
70527	SHield3_inf_ext_facet5	49,5	37,0	49,7
70530	SHield3_inf_facet5	50,4	37,2	50,7
70531	SHield3_inf_facet5	50,3	37,2	50,6
70532	SHield3_inf_facet5	50,0	37,2	50,2
70533	SHield3_inf_facet5	50,1	37,2	50,4
70535	SHield3_inf_ext_facet5	49,4	37,0	49,7
70536	SHield3_inf_ext_facet5	49,4	37,0	49,7
70537	SHield3_inf_ext_facet5	49,4	37,0	49,7
70570	SHield3_inf_ext_facet5	50,3	37,1	50,6
70571	SHield3_inf_ext_facet5	50,3	37,1	50,6
70572	SHield3_inf_ext_facet5	50,3	37,1	50,6
70573	SHield3_inf_ext_facet5	50,1	37,1	50,4
70574	SHield3_inf_ext_facet5	50,0	37,1	50,3
70575	SHield3_inf_ext_facet5	50,0	37,1	50,3
70576	SHield3_inf_ext_facet5	49,9	37,1	50,2
70577	SHield3_inf_ext_facet5	49,8	37,1	50,1
70578	SHield3_inf_ext_facet5	49,8	37,1	50,1
70610	SHield 3 inf facet 6	50,5	37,2	50,8
70611	SHield 3 inf facet 6	50,6	37,2	50,9
70613	SHield 3 inf facet 6	50,3	37,3	50,6
70615	SHield 3 inf ext fac	50,0	37,2	50,3
70616	SHield 3 inf ext fac	49,9	37,2	50,2
70617	SHield 3 inf ext fac	49,9	37,1	50,2
70618	SHield 3 inf facet 6	50,6	37,2	50,9
70619	SHield 3 inf facet 6	50,9	37,3	51,2
70620	SHield 3 inf facet 6	50,6	37,2	50,9
70621	SHield 3 inf facet 6	51,1	37,3	51,4
70625	SHield 3 inf ext fac	50,2	37,3	50,5
70626	SHield 3 inf ext fac	50,1	37,2	50,4
70627	SHield 3 inf ext fac	49,9	37,1	50,2



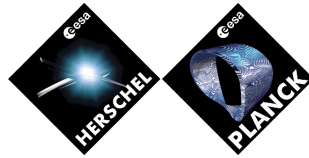
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70630	SHield 3 inf facet 6	50,7	37,2	51,0
70631	SHield 3 inf facet 6	51,2	37,3	51,5
70632	SHield 3 inf facet 6	57,4	47,5	58,4
70635	SHield 3 inf ext fac	49,8	37,0	50,1
70636	SHield 3 inf ext fac	49,8	37,0	50,1
70637	SHield 3 inf ext fac	49,8	37,0	50,1
70670	SHield 3 inf facet 6	50,3	37,3	50,6
70671	SHield 3 inf facet 6	50,4	37,3	50,7
70672	SHield 3 inf facet 6	50,5	37,3	50,8
70673	SHield 3 inf facet 6	50,6	37,3	50,9
70674	SHield 3 inf facet 6	50,7	37,4	51,0
70675	SHield 3 inf facet 6	50,7	37,4	51,1
70676	SHield 3 inf facet 6	50,8	37,4	51,2
70677	SHield 3 inf facet 6	50,9	37,4	51,2
70678	SHield 3 inf facet 6	51,0	37,4	51,3
70679	SHield 3 inf facet 6	51,0	37,5	51,3
70680	SHield 3 inf facet 6	51,1	37,5	51,4
70681	SHield 3 inf facet 6	51,2	37,5	51,5
70682	SHield 3 inf facet 6	51,3	37,5	51,6
70683	SHield 3 inf facet 6	51,4	37,5	51,7
70684	SHield 3 inf facet 6	51,5	37,6	51,9
70685	SHield 3 inf facet 6	51,7	37,6	52,0
70686	SHield 3 inf facet 6	51,8	37,6	52,2
70687	SHield 3 inf facet 6	52,0	37,7	52,3
70688	SHield 3 inf facet 6	52,1	37,7	52,4
70689	SHield 3 inf facet 6	52,2	37,7	52,5
71110	SHield 3 sup facet 1	50,8	37,2	51,1
71111	SHield 3 sup facet 1	51,5	37,3	51,8
71112	SHield 3 sup facet 1	57,6	47,3	58,7
71115	SHield 3 sup ext fac	50,4	37,0	50,7
71116	SHield 3 sup ext fac	50,3	37,0	50,6
71117	SHield 3 sup ext fac	50,2	37,0	50,5
71118	SHield 3 sup facet 1	50,8	37,2	51,1
71119	SHield 3 sup facet 1	52,1	37,3	52,5
71120	SHield 3 sup facet 1	50,7	37,2	51,0
71121	SHield 3 sup facet 1	52,0	37,3	52,3
71122	SHield 3 sup facet 1	50,7	37,2	51,0
71123	SHield 3 sup facet 1	51,7	37,2	52,0
71124	SHield 3 sup facet 1	52,1	37,2	52,4
71125	SHield 3 sup ext fac	51,1	37,1	51,4
71126	SHield 3 sup ext fac	50,9	37,1	51,2
71127	SHield 3 sup ext fac	50,8	37,1	51,1
71134	SHield 3 sup facet 1	51,9	37,2	52,2
71135	SHield 3 sup ext fac	50,8	37,1	51,1
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71137	SHield 3 sup ext fac	50,5	37,1	50,8
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71171	SHield 3 sup facet 1	54,0	37,7	54,3



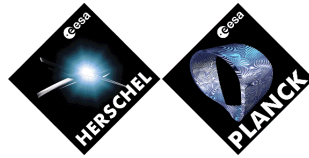
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71175	SShield 3 sup facet 1	53,2	37,4	53,5
71176	SShield 3 sup facet 1	53,1	37,4	53,5
71177	SShield 3 sup facet 1	53,1	37,3	53,4
71178	SShield 3 sup facet 1	53,0	37,3	53,4
71179	SShield 3 sup facet 1	52,9	37,3	53,3
71180	SShield 3 sup facet 1	52,8	37,3	53,1
71181	SShield 3 sup facet 1	52,6	37,3	52,9
71182	SShield 3 sup facet 1	52,4	37,3	52,7
71183	SShield 3 sup facet 1	52,3	37,2	52,6
71184	SShield 3 sup facet 1	52,1	37,2	52,5
71185	SShield 3 sup facet 1	52,0	37,2	52,3
71186	SShield 3 sup facet 1	51,9	37,2	52,2
71187	SShield 3 sup facet 1	51,8	37,2	52,1
71188	SShield 3 sup facet 1	51,7	37,2	52,0
71189	SShield 3 sup facet 1	51,6	37,2	51,9
71210	SShield3_sup_facet2	50,6	37,2	50,9
71211	SShield3_sup_facet2	51,0	37,1	51,3
71212	SShield3_sup_facet2	50,7	37,1	51,0
71213	SShield3_sup_facet2	51,0	37,1	51,3
71214	SShield3_sup_facet2	50,6	37,2	50,9
71215	SShield3_sup_facet2	50,5	37,1	50,8
71216	SShield3_sup_facet2	50,2	37,0	50,5
71217	SShield3_sup_facet2	50,4	37,0	50,7
71220	SShield3_sup_facet2	50,5	37,2	50,8
71221	SShield3_sup_facet2	50,3	37,1	50,6
71222	SShield3_sup_facet2	49,9	37,0	50,2
71223	SShield3_sup_facet2	50,1	37,0	50,4
71225	SShield3_sup_ext_facet2	50,1	37,0	50,4
71226	SShield3_sup_ext_facet2	50,0	37,0	50,3
71227	SShield3_sup_ext_facet2	50,0	37,0	50,3
71230	SShield3_sup_facet2	50,4	37,1	50,7
71231	SShield3_sup_facet2	50,1	37,1	50,4
71232	SShield3_sup_facet2	49,8	37,0	50,1
71233	SShield3_sup_facet2	49,8	37,0	50,1
71235	SShield3_sup_ext_facet2	49,7	37,0	50,0
71236	SShield3_sup_ext_facet2	49,7	37,0	50,0
71237	SShield3_sup_ext_facet2	49,6	37,0	49,9
71270	SShield3_sup_ext_facet2	50,8	37,1	51,1
71271	SShield3_sup_ext_facet2	50,6	37,1	50,9
71272	SShield3_sup_ext_facet2	50,5	37,0	50,8
71273	SShield3_sup_ext_facet2	50,8	37,1	51,1
71274	SShield3_sup_ext_facet2	50,6	37,1	50,9
71275	SShield3_sup_ext_facet2	50,5	37,0	50,8
71276	SShield3_sup_ext_facet2	50,5	37,1	50,8
71277	SShield3_sup_ext_facet2	50,4	37,0	50,7
71278	SShield3_sup_ext_facet2	50,4	37,0	50,7
71310	SShield 3 sup facet 3	50,3	37,1	50,6



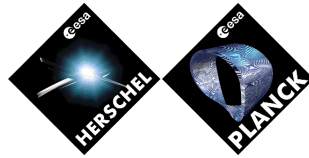
71311	SShield 3 sup facet 3	50,0	37,1	50,3
71312	SShield 3 sup facet 3	49,7	37,1	50,0
71313	SShield 3 sup facet 3	49,7	37,0	50,0
71315	SShield 3 sup ext fac	49,5	37,0	49,8
71316	SShield 3 sup ext fac	49,4	37,0	49,7
71317	SShield 3 sup ext fac	49,4	37,0	49,7
71320	SShield 3 sup facet 3	50,3	37,1	50,6
71321	SShield 3 sup facet 3	49,9	37,1	50,2
71322	SShield 3 sup facet 3	49,6	37,1	49,9
71323	SShield 3 sup facet 3	49,5	37,1	49,8
71325	SShield 3 sup ext fac	49,3	37,0	49,6
71326	SShield 3 sup ext fac	49,2	37,0	49,5
71327	SShield 3 sup ext fac	49,2	37,0	49,5
71330	SShield 3 sup facet 3	50,2	37,1	50,5
71331	SShield 3 sup facet 3	49,8	37,1	50,1
71332	SShield 3 sup facet 3	49,5	37,1	49,8
71333	SShield 3 sup facet 3	49,4	37,1	49,7
71335	SShield 3 sup ext fac	49,2	37,1	49,5
71336	SShield 3 sup ext fac	49,1	37,1	49,4
71337	SShield 3 sup ext fac	49,1	37,1	49,4
71410	SShield 3 sup facet 4	50,2	37,1	50,5
71411	SShield 3 sup facet 4	49,8	37,1	50,1
71412	SShield 3 sup facet 4	49,5	37,1	49,8
71413	SShield 3 sup facet 4	49,4	37,2	49,7
71415	SShield 3 sup ext fac	49,1	37,2	49,4
71416	SShield 3 sup ext fac	49,0	37,3	49,3
71417	SShield 3 sup ext fac	48,9	37,3	49,2
71420	SShield 3 sup facet 4	50,2	37,1	50,5
71421	SShield 3 sup facet 4	49,7	37,1	50,0
71422	SShield 3 sup facet 4	49,4	37,1	49,7
71423	SShield 3 sup facet 4	49,3	37,1	49,6
71425	SShield 3 sup ext fac	49,0	37,1	49,3
71426	SShield 3 sup ext fac	49,0	37,2	49,2
71427	SShield 3 sup ext fac	48,9	37,2	49,2
71430	SShield 3 sup facet 4	50,2	37,1	50,5
71431	SShield 3 sup facet 4	49,7	37,1	50,0
71432	SShield 3 sup facet 4	49,5	37,1	49,7
71433	SShield 3 sup facet 4	49,3	37,1	49,6
71435	SShield 3 sup ext fac	49,0	37,1	49,3
71436	SShield 3 sup ext fac	49,0	37,1	49,2
71437	SShield 3 sup ext fac	48,9	37,1	49,2
71510	SShield3_sup_facet5	50,3	37,2	50,6
71511	SShield3_sup_facet5	49,8	37,1	50,0
71512	SShield3_sup_facet5	49,4	37,1	49,7
71513	SShield3_sup_facet5	49,5	37,1	49,7
71514	SShield3_sup_facet5	50,3	37,2	50,6
71515	SShield3_sup_facet5	49,8	37,1	50,1
71516	SShield3_sup_facet5	49,6	37,1	49,8
71517	SShield3_sup_facet5	49,6	37,1	49,9
71520	SShield3_sup_facet5	50,4	37,2	50,7



71521	SHield3_sup_facet5	50,0	37,1	50,3
71522	SHield3_sup_facet5	49,6	37,1	49,9
71523	SHield3_sup_facet5	49,8	37,1	50,1
71525	SHield3_sup_ext_facet5	49,6	37,0	49,9
71526	SHield3_sup_ext_facet5	49,5	37,0	49,8
71527	SHield3_sup_ext_facet5	49,4	37,0	49,7
71530	SHield3_sup_facet5	50,4	37,2	50,7
71531	SHield3_sup_facet5	50,3	37,2	50,6
71532	SHield3_sup_facet5	49,8	37,1	50,1
71533	SHield3_sup_facet5	50,0	37,2	50,3
71535	SHield3_sup_ext_facet5	49,4	37,0	49,7
71536	SHield3_sup_ext_facet5	49,4	37,0	49,7
71537	SHield3_sup_ext_facet5	49,4	37,0	49,7
71570	SHield3_sup_ext_facet5	50,3	37,1	50,6
71571	SHield3_sup_ext_facet5	50,3	37,1	50,6
71572	SHield3_sup_ext_facet5	50,3	37,1	50,6
71573	SHield3_sup_ext_facet5	50,1	37,1	50,4
71574	SHield3_sup_ext_facet5	50,0	37,1	50,3
71575	SHield3_sup_ext_facet5	50,0	37,1	50,3
71576	SHield3_sup_ext_facet5	49,9	37,1	50,2
71577	SHield3_sup_ext_facet5	49,8	37,1	50,0
71578	SHield3_sup_ext_facet5	49,8	37,0	50,1
71610	SHield 3 sup facet 6	50,5	37,2	50,8
71611	SHield 3 sup facet 6	50,6	37,2	50,9
71613	SHield 3 sup facet 6	50,2	37,2	50,5
71615	SHield 3 sup ext fac	50,0	37,2	50,3
71616	SHield 3 sup ext fac	49,9	37,2	50,2
71617	SHield 3 sup ext fac	49,9	37,1	50,2
71618	SHield 3 sup facet 6	50,6	37,2	50,9
71619	SHield 3 sup facet 6	50,9	37,3	51,2
71620	SHield 3 sup facet 6	50,6	37,2	50,9
71621	SHield 3 sup facet 6	51,1	37,3	51,4
71625	SHield 3 sup ext fac	50,2	37,2	50,5
71626	SHield 3 sup ext fac	50,1	37,2	50,3
71627	SHield 3 sup ext fac	49,9	37,1	50,2
71628	SHield 3 sup facet 6	50,1	37,2	50,4
71629	SHield 3 sup facet 6	50,9	37,4	51,2
71630	SHield 3 sup facet 6	50,6	37,2	51,0
71631	SHield 3 sup facet 6	51,2	37,3	51,5
71632	SHield 3 sup facet 6	57,4	47,5	58,4
71635	SHield 3 sup ext fac	49,8	37,0	50,1
71636	SHield 3 sup ext fac	49,8	37,0	50,1
71637	SHield 3 sup ext fac	49,8	37,0	50,1
71670	SHield 3 sup facet 6	50,2	37,2	50,5
71671	SHield 3 sup facet 6	50,3	37,2	50,6
71672	SHield 3 sup facet 6	50,4	37,3	50,7
71673	SHield 3 sup facet 6	50,5	37,3	50,8
71674	SHield 3 sup facet 6	50,5	37,3	50,8
71675	SHield 3 sup facet 6	50,6	37,3	50,9
71676	SHield 3 sup facet 6	50,7	37,4	51,0



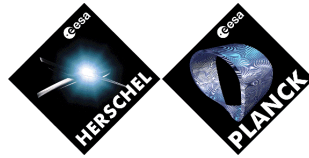
71677	SShield 3 sup facet 6	50,8	37,4	51,1
71678	SShield 3 sup facet 6	50,9	37,4	51,2
71679	SShield 3 sup facet 6	51,0	37,4	51,3
71680	SShield 3 sup facet 6	51,1	37,5	51,4
71681	SShield 3 sup facet 6	51,2	37,5	51,5
71682	SShield 3 sup facet 6	51,3	37,5	51,7
71683	SShield 3 sup facet 6	51,5	37,6	51,8
71684	SShield 3 sup facet 6	51,7	37,6	52,0
71685	SShield 3 sup facet 6	51,9	37,7	52,2
71686	SShield 3 sup facet 6	52,2	37,7	52,5
71687	SShield 3 sup facet 6	52,5	37,8	52,9
71688	SShield 3 sup facet 6	52,9	37,9	53,3
71689	SShield 3 sup facet 6	53,5	38,0	53,8
72003	insert redundant	51,6	37,1	51,9
72013	insert nominal	50,1	37,1	50,4
72100	SShield 3 b facet 1	50,3	37,0	50,6
72101	SShield 3 b facet 1	50,8	37,0	51,1
72102	SShield 3 b facet 1	50,5	37,0	50,8
72201		50,5	37,0	50,8
72202		50,5	37,0	50,8
72203		50,4	37,0	50,7
72204		50,4	37,0	50,7
72205		50,0	37,0	50,3
72206		49,6	37,0	49,9
72300	SShield 3 b facet 3	49,4	37,0	49,6
72301	SShield 3 b facet 3	49,2	37,0	49,4
72302	SShield 3 b facet 3	49,1	37,1	49,3
72400	SShield 3 b facet 4	48,9	37,2	49,2
72401	SShield 3 b facet 4	48,9	37,1	49,2
72402	SShield 3 b facet 4	48,9	37,1	49,2
72501		50,3	37,1	50,6
72502		50,0	37,1	50,3
72503		49,8	37,0	50,1
72504		49,6	37,1	49,9
72505		49,4	37,0	49,7
72506		49,4	37,0	49,7
72600	SShield 3 b facet 6	49,8	37,1	50,1
72601	SShield 3 b facet 6	49,9	37,1	50,2
72602	SShield 3 b facet 6	49,8	37,0	50,1
79000	scr1_VG3	55,2	37,3	55,6
79001	scr2_VG3	53,2	37,3	53,5
79002	scr3_VG3	51,8	37,1	52,1
79010	scn1_VG3	50,4	37,3	50,7
79011	scn2_VG3	51,1	37,5	51,4
79012	scn3_VG3	50,1	37,1	50,4
80001	HORNS	4,7	39,1	4,7
80002	HORNS	4,7	39,1	4,7
80003	HORNS	4,7	39,1	4,7
80004	HORNS	4,7	39,1	4,7
80005	HORNS	4,7	39,1	4,7



80006	HORNS	4,7	39,1	4,7
81001	4K	4,7	39,1	4,7
81002	4K	4,7	39,1	4,7
81003	4K	4,7	39,1	4,7
81004	4K	4,7	39,1	4,7
81005	4K	4,7	39,1	4,7
81006	4K	4,7	39,1	4,7
81101	RL	4,7	39,1	4,7
81102	RL	4,7	39,1	4,7
81103	RL	4,7	39,1	4,7
81104	RL	4,7	39,1	4,7
81105	RL	4,7	39,1	4,7
81106	RL	4,7	39,1	4,7
81201	4K	4,7	39,1	4,7
81202	4K	4,7	39,1	4,7
81203	4K	4,7	39,1	4,7
81204	4K	4,7	39,1	4,7
81205	4K	4,7	39,1	4,7
81206	4K	4,7	39,1	4,7
82001	4K	4,7	39,1	4,7
82002	4K	4,7	39,1	4,7
82003	4K	4,7	39,1	4,7
82004	4K	4,7	39,1	4,7
82005	4K	4,7	39,1	4,7
82006	4K	4,7	39,1	4,7
82102	4K	4,7	39,1	4,7
82104	4K	4,7	39,1	4,7
82106	4K	4,7	39,1	4,7
82110	RL1	4,7	39,1	4,7
82111	4K	4,7	39,1	4,7
82112	4K	4,7	39,1	4,7
82120	RL2	4,7	39,1	4,7
82121	4K	4,7	39,1	4,7
82122	4K	4,7	39,1	4,7
82130	RL3	4,7	39,1	4,7
82131	4K	4,7	39,1	4,7
82132	4K	4,7	39,1	4,7
82201	4K	4,7	39,1	4,7
82202	4K	4,7	39,1	4,7
82203	BIG_RL	4,7	39,1	4,7
82204	4K	4,7	39,1	4,7
82205	4K	4,7	39,1	4,7
82206	4K	4,7	39,1	4,7
82301	4K	4,7	39,1	4,7
82302	4K	4,7	39,1	4,7
82303	4K	4,7	39,1	4,7
82304	4K	4,7	39,1	4,7
82305	4K	4,7	39,1	4,7
82306	4K	4,7	39,1	4,7
83001	4K_CONNECT	4,7	39,1	4,7



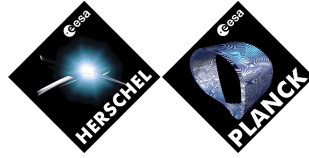
83002	4K	4,7	39,1	4,7
83003	4K	4,6	39,1	4,6
83004	4K	4,6	39,1	4,6
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83006	4K	4,7	39,1	4,7
83401	SW_4K	4,6	39,1	4,6
83402	4K	4,6	39,1	4,6
83403	4K	4,6	39,1	4,6
83404	4K	4,6	39,1	4,6
83405	4K	4,6	39,1	4,6
83406	4K	4,6	39,1	4,6
83500	JT_ON4K	4,5	39,1	4,5
84001	R4K	4,7	39,1	4,7
84002	R4K	4,7	39,1	4,7
84003	R4K	4,7	39,1	4,7
84004	R4K	4,7	39,1	4,7
84005	R4K	4,7	39,1	4,7
84006	R4K	4,7	39,1	4,7
87001	E87001	20,8	39,5	20,9
87002	E87002	20,8	39,5	20,8
87003	E87003	20,8	39,5	20,8
87004	E87004	20,8	39,5	20,8
87005	E87005	20,8	39,5	20,9
87006	E87006	20,8	39,5	20,9
87101	PL18K_E87101	19,7	39,5	19,7
87102	PL18K_E87102	19,6	39,5	19,6
87103	PL18K_E87103	19,4	39,5	19,4
87104	PL18K_E87104	19,6	39,5	19,6
87105	PL18K_E87105	19,7	39,5	19,7
87110	TP_E87110	18,9	39,5	18,9
87120	TP_E87120	18,8	39,5	18,8
87130	TP_E87130	18,6	39,5	18,6
87131	TP_E87131	18,6	39,5	18,6
87132	TP_E87132	18,7	39,5	18,7
87135	TP_E87135	18,6	39,5	18,6
87140	TP_E87140	18,7	39,5	18,7
87150	CENTER_18K	19,6	39,5	19,6
87200	CONNECT	19,7	39,5	19,7
87901	R18K_E87901	19,7	39,5	19,7
87902	R18K_E87902	19,6	39,5	19,6
87903	R18K_E87903	19,5	39,5	19,5
87904	R18K_E87904	19,6	39,5	19,6
87905	R18K_E87905	19,7	39,5	19,7
87906	R18K_E87906	19,8	39,5	19,8
89001	IF_RING_E89001	21,7	39,5	21,7
89002	IF_RING_E89002	21,6	39,5	21,7
89003	IF_RING_E89003	21,7	39,5	21,7
89004	IF_RING_E89004	21,6	39,5	21,7
89005	IF_RING_E89005	21,7	39,5	21,7
89006	IF_RING_E89006	21,6	39,5	21,6



89500	LR1	18,6	39,5	18,6
89600	LR1 fluid	18,4	39,5	18,4
90000	1,6K_stage	1,6	39,1	1,6
90100	JT 1,6K	1,6	46,0	1,6
91000	0,1K stage	0,1	45,0	0,1
91050	Dilu	0,1	45,0	0,1
92000	WIRES	302,8	263,5	299,8
92020	WIRES	275,9	243,1	273,7
92040	WIRES	248,8	221,1	247,2
92060	WIRES	236,2	210,8	234,9
92080	WIRES	224,3	200,8	223,3
92100	WIRES	212,8	191,1	212,0
92120	WIRES	195,0	175,9	194,6
92140	WIRES	180,1	163,0	179,9
92160	WIRES	173,6	157,3	173,5
92180	WIRES	163,6	148,6	163,7
92200	WIRES	153,1	139,3	153,2
92220	WIRES	139,2	127,0	139,4
92240	WIRES	125,5	114,7	125,8
92260	WIRES	116,2	106,2	116,5
92280	WIRES	113,4	103,6	113,7
92300	WIRES	111,2	101,6	111,5
92320	WIRES	107,0	97,8	107,3
92340	WIRES	103,0	94,1	103,3
92360	WIRES	101,9	93,0	102,2
92380	WIRES	95,8	87,3	96,0
92400	WIRES	84,5	76,6	84,8
92420	WIRES	72,8	65,2	73,0
92440	WIRES	64,5	57,0	64,7
92460	WIRES	63,5	55,9	63,6
92480	WIRES	62,8	55,2	63,0
92500	WIRES	62,1	54,5	62,3
92520	WIRES	56,5	48,6	56,6
92540	WIRES	50,7	42,2	50,9
92560	WIRES	50,6	42,1	50,8
92580	WIRES	49,2	40,7	49,4
92600	WIRES	47,8	39,2	48,0
92620	WIRES	47,6	38,8	47,7
92640	WIRES	47,4	38,5	47,5
92660	WIRES	48,0	38,9	48,2
92680	WIRES	48,6	39,3	48,8
92700	WIRES	49,6	40,1	49,8
92720	WIRES	50,6	40,8	50,8
92740	WIRES	50,8	41,0	50,9
92760	WIRES	51,4	41,5	51,6
92780	WIRES	52,2	42,0	52,3
92800	WIRES	52,4	42,2	52,6
92820	WIRES	54,3	43,6	54,4
92840	WIRES	56,0	44,9	56,1
93000	BPAU	302,8	263,6	299,8



93020	BELLOW	196,8	177,4	198,0
93040	BELLOW	173,4	156,4	175,8
93060	BELLOW	164,6	148,4	167,3
93080	BELLOW	157,6	142,3	160,4
93100	BELLOW	153,0	138,3	155,7
93120	BELLOW	149,2	135,0	151,7
93140	BELLOW	143,8	131,4	145,0
93160	BELLOW	146,0	133,5	146,8
93180	BELLOW	150,1	136,8	150,6
93200	BELLOW	121,2	111,1	122,0
93220	BELLOW	104,5	95,4	105,5
93240	BELLOW	101,3	93,1	101,8
93260	BELLOW	109,1	99,8	109,5
93280	BELLOW	100,1	92,1	100,5
93300	BELLOW	93,0	85,6	93,3
93320	BELLOW	81,0	74,6	81,4
93340	BELLOW	75,2	69,1	75,5
93360	BELLOW	73,9	67,9	74,2
93380	BELLOW	66,4	60,6	66,7
93400	BELLOW	59,3	53,5	59,4
93420	BELLOW	58,9	52,8	59,1
93440	BELLOW	64,4	56,9	64,5
93460	BELLOW	63,2	56,0	63,4
93480	BELLOW	61,4	54,4	61,5
93500	BELLOW	59,9	53,1	60,0
93520	BELLOW	48,5	42,5	48,6
93540	BELLOW	50,6	42,1	50,8
93560	BELLOW	50,6	42,1	50,8
93580	BELLOW	45,1	38,2	45,2
93600	BELLOW	47,8	39,2	48,0
93620	BELLOW	44,5	37,2	44,7
93640	BELLOW	47,3	38,5	47,5
93660	BELLOW	44,7	37,1	44,8
93680	BELLOW	48,6	39,3	48,8
93700	BELLOW	45,7	37,8	45,8
93720	BELLOW	44,9	37,4	45,0
93740	BELLOW	44,8	37,4	44,9
93760	BELLOW	44,5	37,3	44,6
93780	BELLOW	44,9	37,6	45,1
93800	BELLOW	45,2	37,8	45,3
93820	BELLOW	47,4	39,4	47,5
93840	BJFET	56,0	44,9	56,1
94500	IF JFET-Rear Panel	54,0	41,8	54,2
94501	EXTERNAL BOX	56,0	44,9	56,1
94502	JFET	120,0	120,0	120,0
95600	0,1K_Pipe_SVM	300,0	300,0	300,0
95605	0,1K_return_Pipe_VG1	147,5	127,6	152,1
95606	0,1K_reste_Pipe_VG1	265,7	265,0	265,8
95610	0,1K_return_Pipe_VG2	88,3	73,5	90,5
95611	0,1K_reste_Pipe_VG2	237,1	235,7	237,2



95615	0,1K_return_Pipe_VG3-1	67,4	55,4	68,5
95616	0,1K_reste_Pipe_VG3-1	124,4	119,7	124,6
95620	0,1K_Pipe_VG3-2	57,6	46,6	58,0
95625	0,1K_Pipe_VG3-3	50,9	37,5	51,2
95630	0,1K_Pipe_F1	43,6	38,1	43,9
95635	0,1K_Pipe_F2	40,1	38,3	40,3
95640	0,1K_Pipe_B1	34,9	38,7	35,1
95645	0,1K_Pipe_B2	28,7	39,1	28,8
95650	0,1K_Pipe_HFI_18K	19,6	39,5	19,6
95700	0,1K_Harness_SVM	299,2	299,1	299,3
95705	0,1K_Harness_VG1	148,0	128,2	152,5
95710	0,1K_Harness_VG2	88,5	73,8	90,7
95715	0,1K_Harness_VG3-1	67,4	55,4	68,5
95720	0,1K_Harness_VG3-2	57,5	46,5	58,0
95725	0,1K_Harness_VG3-3	50,9	37,5	51,2
95730	0,1K_Harness_F2	43,6	38,1	43,9
95735	0,1K_Harness_F2	40,1	38,3	40,3
95740	0,1K_Harness_B1	34,9	38,7	35,1
95745	0,1K_Harness_B2	28,7	39,1	28,8
95750	0,1K_Harness_HFI_18K	19,6	39,5	19,6
95800	Compressors at 300K	300,0	300,0	300,0
95810	50K node IF VG3	52,6	37,2	52,9
95820	18K node	18,7	39,5	18,7
95830	4K cold end	4,5	39,1	4,5