

**Long, JA (Judy)**

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**Subject:** Reference frame for Herschel and Planck (to be added in IID-A Annex 5 - SVM ICD's)  
**Importance:** Low



Herschel & Planck  
 SVM Referenc...

mail ref: H-P-ASP-LT-5363

Sir,

The annex 5 of IID-A 3.3 contains extracts of the SVM Mechanical ICD relevant to instruments, describing the accommodation of the warm units on the SVM. The annex contains ICD's of the panels, but it seems that the position of these panels wrt the satellite was missing, and some of you had problems to know the absolute position of the warm units. We have updated the annex 5 of IID-A to include the reference frames, and position of the panels (extracted from section 6 of the SVM ICD that you should have got from the Science Team), as attached here. This adds the following drawings:

Herschel SVM Reference frame

- Figure 01 Sh. 1/1 Rev. / (04 DEC 02) Herschel SVM reference frame
- Figure 02 Sh. 1/2 Rev. A (04 MAY 04) Herschel SVM local reference frames
- Figure 02 Sh. 2/2 Rev. A (04 MAY 04) Herschel SVM local reference frames

Planck SVM Reference frame

- Figure 03 Sh. 1/1 Rev. / (04 DEC 02) Planck SVM reference frame
- Figure 04 Sh. 1/2 Rev. B (04 MAY 04) Planck SVM local reference frames
- Figure 04 Sh. 2/2 Rev. A (04 MAY 04) Planck SVM local reference frames

(See attached file: Herschel & Planck SVM Reference Frames.pdf)

The annex 5 of IID-A has been updated by adding these reference frames, and also taking into the latest issue of the SVM MTICD (issue 6) which came too late (for the System/SVM CDR)) to be implemented in IID-A. There is only minor update of the Interface (no change in fixation pattern or position) The main change is the adjunction of the grounding interface.

The updated annex 5 (that will be attributed to IID-A 3.4) has been uploaded on FTP  
 Location: ftp://ftp.hp-instruments.as-b2b.com/industry\_to\_instruments/IIDs/IID-A/IID-A%203.4%20Annexes/

File: IID-A 3.4 - annex 05 - SVM Instrument ICD.pdf

With best regards

Bernard

Bernard COLLAUDIN- Herschel Planck Instruments interfaces

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