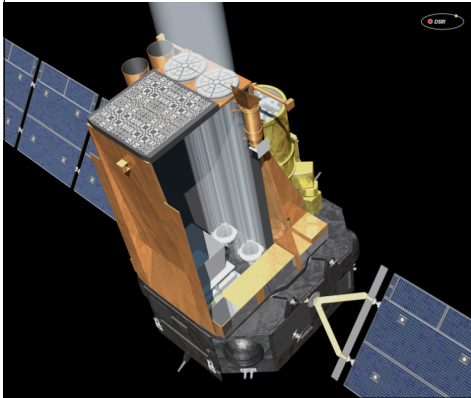


Technical University of Denmark

JEM-X OSA Status

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Gain correction

- Main driver: temperature dependence of the gain has increased from 1%/degC to 4%/degC.
- Version 8.0 of `j_cor_gain` has been delivered to ISDC
 - is ready for integration into the OSA pipeline and the ISDC CONS pipeline.
- version 8.0 of `j_cor_gain` includes
 - New de-glitching
 - new gain smoothing model
 - new version of `j_cor_gain` has been verified with data for all revolutions up to 737

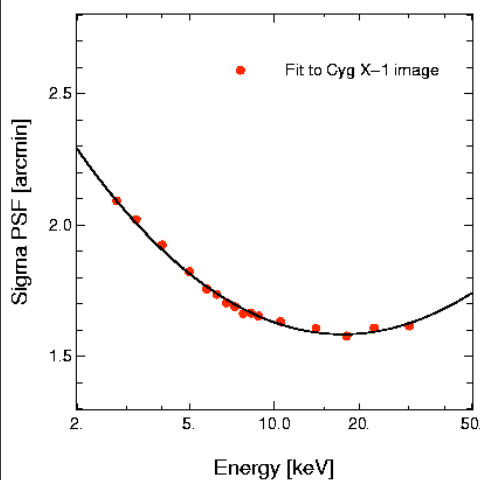
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Imaging

- `j_ima_iros`:
 - This imaging tool is taking over both the imaging and the extraction of source spectra. A detailed correction for source intensities as function of time and position in the image has been implemented in `j_ima_iros-3.0.2` as well as the data in the IC files (IMOD)
 - being tested; will be finished in about two weeks
- `j_ima_mosaic`:
 - One of the changes in `j_ima_iros` is an energy-dependent sky-coordinate scale. `j_ima_mosaic` now takes this into account.
 - has been delivered

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JEM-X PSF energy dependence



- JEM-X PSF varies as function of energy due to detector resolution
- Intensity fits must use correct PSF to be accurate

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Spectral extraction

- mosaic_spec: (not in our hands) an update is requested where mosaic_spec should use the keyword PSFSIGMA to deduce the peaksize that goes into the flux determination.