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Some new and old issues with the current OSA 8

The point of view from an "average user"

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PSFSIGMA in j_ima_mosaic

- In OSA 8 (j_ima_mosaic.8.02) 0.1' is added to the input PSFSIGMA value to take account of a "smearing" effect.
- This turns out to be a too stringent addition, for in the extreme case $1 \rightarrow 1$, there should be no effect.
- The additional value should increase as a function of the number of combined images.
- ⇒ Empirical method to determine how much psf must be added as a function of the number of input images by use of images with the Crab at various off-axis angles.

A bug in j_ima_mosaic ???

In some particular cases, when the default output image "diameter" is modified by the user, the Exposure/Time map is not produced and the soft ends abruptly with a core dump!

However, this seems to only happen with the pre-compiled executable released by ISDC with OSA 8.

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On light curve extraction and gain correction – do they work as expected?



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Start Time 15135 19:14:10:906 Stop Time 15136 0:34:10:906

GRS 1915 (red) IGR 19112 LC 300s/bin (3-15 keV)



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JEM-X mosaic (3-10 keV) from GRS1915+105 observation in rev. 861



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JEM-X2 test LCs 3-15 keV 300s/bin





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