ISOCAM PHOTOMETRY OF FAINT 6.7 micron SOURCES IN THE SSA13 FIELD

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This Highly Processed Data Product contains a set of maps corresponding to a CAM survey at 6.7 microns in the Small Selected Area 13 (SSA 13).
A catalogue with flux densities of the detected sources is also included.

Data and analysis were published in **"A deep 6.7 micron survey in the SSA13 field with ISO"**, available at:

http://adsabs.harvard.edu/cgi-bin/nph-bib_query?bibcode=2003A%26A...405..833S&db_key=AST&high=3c8dc7652129093

MAPS of the SSA 13 field:

ISOCAM data were reprocessed from the ERD level (OLP 7.01). All the details are given in the paper. In summary:

- Dark current was estimated with the dark model and subtracted (Appendix A.1 in the paper).
- De-glitching was performed (Appendix A.4).
- Flat-fielding was done against time-evolving sky, which simultaneously corrected the responsivity drift (Appendix A.3)
- Memory effects were not corrected in the final map, but in the catalogue via simulations
- Zodiacal light was subtracted
- Astrometry corrections were applied
- Vignetting was corrected before constructing the final map
- Sources were detected with the SExtractor program
- Aperture photometry was performed and corrected

The maps offered are the following:

1. number of combined data: ‘N’
2. integration time of the combined data: ‘INT’
3. average image: ‘AVE’
4. weighted average image: ‘WAVE’
5. median image: ‘MED’
6. sigma of the average image: ‘AVE SIG’
7. sigma of the weighted average image: ‘WAVE SIG’
8. sigma of the median image: ‘MED SIG’
9. standard deviation image: ‘STDDEV’
10. median absolute deviation from median image: ‘ABSDIF’

Maps from 3 to 10 are in ADU/gain/s.

PHOTOMETRIC CATALOGUE OF DETECTED SOURCES

The catalogue lists all the sources detected in the final S/N map and in the negative part of it (Identification number <0). It contains celestial coordinates with their uncertainty and various fluxes at different apertures and with different correction factors. Everything is explained in the paper and in the Catalogue HELP.