URL: http://cxc.harvard.edu/ciao3.4/acis_expmap.html
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*AHELP for CIAO 3.4*

# acis_expmap

Context: tools

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## Synopsis

Generate ACIS exposure maps for celldetect recursive blocking

## Syntax

```
acis_expmap evt2.fits asol.list
```

## Description

This script generates exposure maps for use with celldetect in recursive blocking mode. It creates a stack, expmap.lis, of expmap_bl1.fits, expmap_bl2.fits, expmap_bl4.fits − the 3 blocking factors used by celldetect for centered ACIS−I images.

acis_expmap expects two arguments: an event file and a list of aspect solution files (e.g. "pcad_asol1.lis"). The script requires that a stack list be used as input, even if there is only one aspect solution file; see "ahelp stack" for more information.

The script produces exposure maps for a single energy of 1.5 keV. Users may edit the script to use a different energy value.

This script is used in the Running celldetect thread.

## Example

```
acis_expmap acisf01522N002_evt2.fits asol.list
```

Create blocked exposure maps for ObsID 1522.

### NOTES

This script is not an official part of the CIAO release but is made available as "contributed" software via the CIAO scripts page. Please see the installation instructions page for help on installing the package.

# Bugs

See the bugs page for this script on the CIAO website for an up−to−date listing of known bugs.

# See Also

*calibration*
ardlib

*dm*
dmbinning

*tools*
acis_bkgrnd_lookup, acis_fef_lookup, acis_set_ardlib, acisspec, add_grating_orders, add_grating_spectra, asphist, dither_region, dmarfadd, dmcopy, dmextract, dmfilth, dmgroup, dmimghist, dmregrid, fullgarf, get_sky_limits, mkacisrmf, mkarf, mkexpmap, mkgarf, mkgrmf, mkinstmap, mkpsf, mkrmf, mkwarf, psextract, psf_project_ray, rmfimg, specextract, tgextract

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