



Bugs: acis_run_hotpix

Caveats

1. *Obtaining the bias and parameter block files*

As of July 2005, it is possible to obtain the correct bias and parameter block files required to run `acis_run_hotpix` from *ChaSeR* or *WebChaSeR*; they are included in the secondary data products. More information on how these files are used is available in the [Create a New ACIS Bad Pixel File: Identify ACIS Hot Pixels and Cosmic Ray Afterglows](#) thread.

2. **WARNING: File `/tmp/hotpixel_list.fits` does not have any rows.**

Some datasets will return this warning when `acis_run_hotpix` is run:

```
# acis_classify_hotpix (CIAO 3.4): WARNING: File /tmp/hotpixel_list.fits does not have any
```

It just means that no hot pixels were identified in the observation, which is a normal occurrence.

3. *Afterglows with few events (01 Dec 2006)*

Afterglows with few events may not be identified by `acis_run_hotpix` because they are not statistically significant after performing one million trials per CCD. Users may use the deprecated tool `acis_detect_afterglow` if they find it works better for their data. However, be aware that one of the reasons that `acis_run_hotpix` was developed is that `acis_detect_afterglow` often removes good X-ray events, too (i.e. it seems to do more harm than good in general).

Bugs

1. *Read mode of data is printed to screen. (27 Jun 2006)*

If you have "`echo=yes`" set in your `dmkeypar` parameter file, `acis_run_hotpix` prints the READMODE of the observation to the screen:

```
unix% acis_run_hotpix
Input event list (acisf04187_reset_evt1.fits):
Output bad pixel file (acisf04187_bpix1.fits): test
Input parameter block file (acisf167214283N001_pbk0.fits):
Input mask file ( <filename> | none | NONE ) (acisf04187_001N001_msk1.fits):
Input bad pixel file (../primary/acisf04187_001N001_bpix1.fits):
Input bias images (@bias_files.lis):
TIMED
```

This is just extra screen output which doesn't affect the script results.

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