

## Why is my level 2 event file larger than the one from the pipeline?

If you run acis\_process\_events on a level 2 event file, you will find that the output file is larger than the input file. This is because the stdlev1 value for the <u>eventdef</u> parameter contains an entry for the PHAS column, which does not exist in the pipeline level 2 file (it is filtered out of the level 1 data products). The column is created by acis\_process\_events and filled with zeros.

There are three ways to deal with this:

1. Run acis\_process\_events with an explicit "level 2" eventdef parameter:

unix% pset acis\_process\_events \ eventdef='{d:time,s:ccd\_id,s:node\_id,i:expno,s:chip,s:tdet,f:det,f:sky,l:pha,f:energy,l

2. Remove the PHAS column a posteriori from the output file:

unix% dmcopy "acis\_new\_evt2.fits[cols -phas]" acis\_new2\_evt2.fits
where acis\_new\_evt2.fits is the output of acis\_process\_events run with
eventdef=")stdlev1".

3. Do nothing. The larger file size will not cause problems in the software (other than increasing runtime in some cases), so it is not required that you do anything about this feature.

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URL: <u>http://cxc.harvard.edu/ciao3.4/faq/ape\_filesize.html</u> Last modified: 26 October 2007