URL: http://cxc.harvard.edu/ciao3.4/bugs/tgextract.html
Last modified: 10 October 2007

Bugs: tgextract

Bugs

1. ***If you have a multi−source observation, you cannot extract with the CALDB bow−tie region for any source other than the first (`tg_srcid=1`).***

   The current implementation of `tgextract` defaults to a box without any error or warning.
2. ***DETCHANS header keyword not written to Type 2 PHA files*** ***(01 Dec 2006)***

   Type 2 PHA files produced by `tgextract` do not have the DETCHANS header keyword. Since `tgextract` is used to create the pha2.fits files in SDP, this affects all Chandra data, whether you've reprocessed in CIAO or not.

   This is not a problem for *Sherpa* users, but causes an error in *XSpec*.

   Workaround:

   If you are analysing data in *XSpec*, add the DETCHANS keyword to the file header with `dmhedit`. The DETCHANS keyword value equals the length of the COUNTS array, whose default is 8192. It is an arbitrary number for gratings − whatever you specified in the grid.

   Use `dmlist` to find the size of the array:

```
unix% dmlist acisf00459N002_pha2.fits cols | grep COUNTS
   8   COUNTS[8192]  count  Int2(8192)  0:32767  −1  Counts array (a spectrum)
```

   Then run `dmhedit`:

```
unix% dmhedit infile=acisf00459N002_pha2.fits filelist="" \
      operation=add key=DETCHANS value=8192
```


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