![Chandra X-ray Center logo]

# Bugs: tgdetect

## Bugs

1. ***# DMCOPY (CIAO 3.4): Bad data type in filter string formatting***

   tgdetect may generate the following warning:

   ```
   # DMCOPY (CIAO 3.4): Bad data type in filter string formatting
   ```

   Prior to CIAO 3.4, this error message was written as:

   ```
   # DMCOPY (CIAO 3.3): Filter data type mismatch for DOUBLE
   ```

   It is due to a minor bug in the Data Model, and may be ignored. The output of tgdetect is unaffected by this bug.

2. ***The tool cannot accept a Data Model virtual syntax specification.***

3. ***The tool exits with an error if run with a SNR threshold of 3.*** *(27 Jun 2006)*

   ```
   WARNING: no sources found with snr > 3

   cp: Insufficient arguments (1)
   Usage: cp [-f] [-i] [-p] f1 f2
          cp [-f] [-i] [-p] f1 ... fn d1
          cp -r|R [-f] [-i] [-p] d1 ... dn-1 dn
   # tgidselectsrc (CIAO 3.4): dsOPENFILEERR -- ERROR: Could not open file '_sort_out.fits[SRCL

   ERROR: The last_exit of tgidselectsrc: 255
   ```

   This problem occurs because snr_thresh=3 is the same as the default value of the celldetect thresh parameter. celldetect is called by tgdetect and there is a logic bug that cause a section of code not to execute when these two values are equal.

   **Workaround:**

   Set snr_thresh=4.

4. ***Tool doesn't check for .gz files*** *(06 Mar 2007)*

   tgdetect will not locate a gzipped input file unless the ".gz" extension is explicitly given.

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