



## 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): dsOPENFILEFERR -- ERROR: Could not open file '_sort_out.fits[S
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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