



Bugs: dmregrid

Bugs

1. *Incorrect physical and world coordinates in the output*

If the lower limits in the `bin` parameter are set to anything other than 1 – i.e. `xlo:xhi:xbin,ylo:yhi:ybin` where `xlo` and/or `ylo` do not equal 1 – `dmregrid` fails to update the physical-to-logical coordinate system, which causes both physical and world coordinates to be incorrect in the output file.

2. *Tool does not fail with bad bin syntax (29 Jan 2007)*

If you put column names into the `dmregrid` "bin" parameter, it creates a large output file instead of failing, e.g.

```
unix% dmregrid infile="acis_evt2.fits[bin x=4000:4200:4,y=4000:4200:4]" \
      outfile="test.fits" bin="x=4000:4200:0.5,y=4000:4200:0.5"

unix% dmlist test.fits blocks

-----
Dataset: bug_test.fits
-----

      Block Name                                Type           Dimensions
-----
Block    1: bug_test.fits                      Image          Real4(8408x8408)
```

The correct bin syntax for this example is:

```
bin="4000:4200:0.5,4000:4200:0.5"
```

3. *Negative values are not preserved with "npts!=0" (10 Oct 2007)*

In approximation mode, i.e. "npts!=0", `dmregrid` skips pixels with negative values. With `npts == 0` (exact mode), the negative values are preserved.

Bugs: dmregrid – CIAO 3.4