



Bugs: dmimgpick

Bugs

1. *Non-square input images (30 Mar 2007)*
(Linux and Mac OS X platforms)

If the input image is not square, dmimgpick exhibits a problem related to how the tool checks if the pixel being "picked" is outside the image.

While the tool will sometimes fail with a segmentation fault, it may also silently produce incorrect results for non-square images on these platforms.

Here are the conditions which trigger the bug. Knowing that

- ◆ (x0,y0) is the starting pixel location (e.g. bottom left corner in ds9)
- ◆ xlen is the number of columns
- ◆ ylen is the number of rows
- ◆ (x,y) are the coordinates in the input table for each row

if ylen > xlen

all (x,y) where $y > (y_0 + xlen)$ will have NaNs instead of being joined to correct values

if ylen < xlen

all (x,y) where $y > (y_0 + ylen)$ && $y < (y_0 + xlen)$ will access random memory and will result in random results including but not limited to the possibility of crashing

Bugs: dmimgpick – CIAO 3.4