

## ctools - Bug #1238

### Check map size in obsutils.cntmap

07/01/2014 01:43 PM - Buehler Rolf

|                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                        |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------|------------|
| <b>Status:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         | Closed            | <b>Start date:</b>     | 07/01/2014 |
| <b>Priority:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       | Low               | <b>Due date:</b>       |            |
| <b>Assigned To:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    | Buehler Rolf      | <b>% Done:</b>         | 100%       |
| <b>Category:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   | <b>Estimated time:</b> | 0.00 hour  |
| <b>Target version:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3rd coding sprint |                        |            |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                        |            |
| <p>In case the ROI of an observation was bigger than the area covered by the defined countsmap in obsutils.cntmap there was a crash: "IndexError: *** ERROR in GSkymap::operator(int&amp;, int&amp;): Sky map pixel index 40076 is outside the valid range [0,39999]". This is fixed by adding the following check at line 198 in obsutils.py:</p> <pre>1. Set pixel    maxpixel=nxpix*nypix    if pixel &lt; maxpixel:        map[pixel] += 1.0</pre> |                   |                        |            |

#### History

##### #1 - 07/01/2014 01:57 PM - Buehler Rolf

A more general fix would be to add a fill method to GSkymap.

##### #2 - 07/08/2014 09:28 AM - Knödlseider Jürgen

- Status changed from New to Feedback

- % Done changed from 80 to 100

I made the change and pushed it into devel. For the more general fix, I added an action to GammaLib (#1245). If you're happy with it you may take the action.

##### #3 - 07/10/2014 11:25 PM - Knödlseider Jürgen

- Status changed from Feedback to Resolved

- Target version set to 3rd coding sprint

##### #4 - 07/20/2014 11:17 PM - Knödlseider Jürgen

- Status changed from Resolved to Closed