
Subject: Re: REGRESS and sky background
Posted by [wlandsman](#) on Tue, 06 Jul 2010 13:18:54 GMT
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On Jul 5, 8:06 pm, Gray <grayliketheco...@gmail.com> wrote:

> Here's my general algorithm; I actually use a different mean clipping
> routine, but astrolib's MEANCLIP gives the same (unwanted) results.
> Take a look and tell me what you think. Thanks!

Some possibly useful thoughts.

1. I don't understand this line

```
abc += [ab,c]
```

On each iteration you are removing outliers and redoing the regression. But you don't want to add the newly determined parameters to the old ones - I think you want a simple equality in the above statement.

2. REGRESS has a lot of keywords -- STATUS, SIGMA, CHISQ -- to help assess the quality of the solution. I would monitor these to see if

3. Henry Freudenreich wrote code for a similar problem -- check out `robust_planefit.pro` and supporting procedures in <http://idlastro.gsfc.nasa.gov/ftp/contrib/freudenreich/>

--Wayne
