Subject: to read and to save multiple fits format files at a time Posted by sid on Thu, 04 Mar 2010 12:41:56 GMT

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HI,

My data is in fits format, I am having 22 fits file and all the 22 files should be subtracted by single fits file individually, and I should save it separately after subtraction. So please help me how to read all these 22 files at a single stretch and subtract all the 22 files separately with one fits file and save the subtracted ones. regards sid

Subject: Re: to read and to save multiple fits format files at a time Posted by thoeger on Fri, 05 Mar 2010 07:45:03 GMT

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On Mar 4, 7:41 am, sid <gunvicsi...@gmail.com> wrote:

- > HI.
- > My data is in fits format, I am having 22 fits file and all the 22
- > files should be subtracted by single fits file individually, and I
- > should save it separately after subtraction. So please help me how to
- > read all these 22 files at a single stretch and subtract all the 22
- > files separately with one fits file and save the subtracted ones.
- > regards
- > sid

Yep, I'd do something in the vein of naming the files appropriately so they can be found in an automated search/filtering quite easily, then:

```
files = file_search('pattern_to_search_for*.fits')
subtraction_file = 'filename_of_that_file.fits'
subtraction-data = readfits(subtraction_file)
for i = 0, n_elements(files) do begin
imgdata = readfits(files(i), hdr)
imgdata = imgdata-subtraction_data
outputfile = 'output_'+strtrim(i, 2)+'.fits'
writefits, outputfile, data, hdr
endfor
```

Cheers;

Emil