Subject: Re: Calculate median of stacks of images using IDL
Posted by dg86 on Sat, 07 Jun 2014 22:42:04 GMT
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On Friday, June 6, 2014 4:46:37 PM UTC-4, Nitsorn Wongsajjathiti wrote:
> Hi,
>
> I am trying to compute a median of a stack of images in TIF format for my research. From another source I found out a way to compute this from stack of images present in a GDF format, using
>
>
>
> IDL> buf=read_gdf('demo.gdf')
>
> IDL> help, buf
>
> BUF FLOAT = Array[640, 480, 100]
>
> IDL>b=median(buf,/double,dimension=3)
>
>
>
> However, I am having difficulty converting my TIF images into GDF, but still need to normalize my images somehow. Any suggestions on how to do so?
>
> Thank you in advance. Any help will be highly appreciated!
>
> Nitsorn Wongsajjathiti

Hi Again,

You can use READ_IMAGE to read in your images, then stack them up, and take the median.

```
filenames = file_search("my_filename_regex*.tif")
buf = []
for f in filenames do $
  buf = [[[buf]], [[read_image(f)]]]

b = median(buf, /double, dimension=3)
```

TTFN,

David