
Subject: Re: Coadd images that contain no stars
Posted by [spasoklampanas](#) on Sun, 27 May 2012 15:19:43 GMT
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On May 27, 6:05 pm, Russell Ryan <rr...@stsci.edu> wrote:
> On May 27, 10:56 am, spasoklampa...@yahoo.com wrote:
>
>> Hi,
>
>> I have two images from GALEX from a molecular cloud, that need to
>> be combined to create an image. The problem is that there are no stars
>> present. There is only the nebula. How is it possible to coadd these
>> two frames? On each image half of the cloud is present and there is
>> some overlap of course. Is there a way in IDL?
>
>> Thanks a lot
>
> Why cant you just add them? I'm confused....
>
> Do you need to align the images? If so, then you need to correlate
> the two images to find the appropriate shifts. Even then, and I know
> how careful you need to be, the GALEX PSF varies across the FoV
> significantly. So coadding frames of anything can be very tricky if
> they're not centered on precisely the same position in the sky.

Well the problem is that in the first frame half of the cloud appears in the lower left of frame, while in the second frame the other half appears in the upper right part of the frame. Since there are no stars present on both images, how is it possible to estimate the shifting to make the coaddition?
