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Subject: Re: Coadd images that contain no stars  
Posted by [Russell Ryan](#) on Sun, 27 May 2012 15:05:30 GMT  
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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.

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