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Subject: Re: mosaic two images in direct graphics  
Posted by [Sebastian](#) on Mon, 13 Jun 2005 16:16:47 GMT  
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Thank You. With 1's instead of 0's in the TOTAL function it works and gives me a quite homogenic dataset. For really smooth images I have to do a histogram stretch.

Sebastian

Christopher Lee wrote:

```
> If you want to merge scientific datasets and not pictures,  
> you might want to use all the data you have, e.g.  
>  
> ; data = [n_images, image_x, image_y]  
> ;invalid =value of 'black'  
> valid=data ne invalid  
> new_data= total(valid*data,0)/(total(valid, 0) > 1)  
>  
> which will give you the averages of overlapping pixels, and probably an  
> error message because I haven't tested it. missing data can be handled  
> either using WHERE or using a few more terms in the above equation.  
>  
> Chris.
```

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