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Subject: Re: Spatial and temporal image correlation  
Posted by [Cornelio Zolin](#) on Thu, 15 Aug 2013 18:16:28 GMT  
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On Thursday, August 15, 2013 12:19:01 PM UTC-4, Cornelio Zolin wrote:

> Dear all,  
>  
> Hi all,  
>  
> I have just started using IDL and I'm having hard times even with simple tasks. I'm  
trying to do the following task:  
>  
>  
>  
> I have 12 folders (2001, 2002 ....2012) and in each folder I have 35 files .dat of anomalies (7  
months NDVI, 7 months Surface temperature and so on) and I would like to do a correlation (pixel  
by pixel) for each index in each month for each year.  
>  
>  
>  
> After that I want to make one plot per year: each index in a different column and each row  
representing a different month.  
>  
>  
>  
> I started writing the code bellow, but I'm confused now. I think the next step would be  
REFORM the images, so for each image I will have a vector that I could use to do the correlation.  
>  
> Is there anyone that could help me on that?  
>  
>  
>  
> Thanks a lot,  
>  
>  
>  
>  
> PRO ImgCorr,  
>  
> CD, 'C:\Anomalies\year'  
>  
> theseFiles = FindFile('\*.\*.dat', Count=numFiles)  
>  
> Print, 'Number of files found: ', numFiles  
>  
> FOR j=0,numFiles-1 DO BEGIN  
>

```
> OpenR, lun, theseFiles(j), /Get_Lun
>
> File = fltarr(620, 500)
>
> ReadU, lun, File
>
> JustNumbers= where(File eq -9999, count)
>
> File[JustNumbers]=!VALUES.F_NAN
>
> *
>
> *
>
> *
>
> *
>
> Free_Lun, lun
>
> ENDFOR
>
> END
```

Thank you folks,  
I'll try to move forward using your suggestions.

Zolin

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