
Subject: Re: Loop Multiple Files and Rename
Posted by [Jean H.](#) on Sat, 22 Aug 2009 16:16:54 GMT
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For your loop, start with FILE_SEARCH .This will find all your files and return an array with every file name. Loop through this array, and use David solution from there to change the file name

Jean

anniebryant@gmail.com wrote:

```
> Hi All,  
>  
> I have a pretty basic question.  
>  
> I have a list of MODIS images in a folder, all beginning with the  
> prefix "MOD09GA" followed by a string of other characters, i.e.  
> '.A2009138.h09v05.005.2009140163311_Grid_2D_reprojected.img'  
>  
> I have written a very basic little program to reorder the bands in the  
> MODIS image, but I've only gotten it to work one image at a time.  
>  
> Ideally, I'd have a loop that takes each image from the folder,  
> reorders the bands, then writes each file with a unique name.  
>  
> _____  
>  
> pro MOD09GA_bandreorder  
>  
>   ns=4578  
>   nl=2367  
>   nb=7  
>  
>   image = fltarr(ns,nl,nb)  
>   morder=fltarr(ns,nl,nb)  
>   ;outfile=fltarr(ns,nl,nb)  
>  
>   for i=1,11 do begin ; is this opening multiple files, or the same  
> over and over?? figure it out AB!  
>  
>   openr, i, '/users/u0609216/documents/modis/2009/Geo_2009/MOD09GA.*'  
>   readu, i, image  
>   close, i  
>  
>   b1 = image(*,*,0)  
>   b2 = image(*,*,1)  
>   b3 = image(*,*,2)
```

```
> b4 = image(*,*,3)
> b5 = image(*,*,4)
> b6 = image(*,*,5)
> b7 = image(*,*,6)
>           ; band order should be (3,4,1,2,5,6,7)
> morder[*,*,0]=b3
> morder[*,*,1]=b4
> morder[*,*,2]=b1
> morder[*,*,3]=b2
> morder[*,*,4]=b5
> morder[*,*,5]=b6
> morder[*,*,6]=b7
>
> print, "Now processing:" , 'file', i
>
> get_lun,unit
>
> openw,unit,'/users/u0609216/documents/modis/2009/reorder_200 9/
> reorder.bip'
> writeu,unit,morder
> close,unit
>
> endfor
>
> print, 'Done!'
>
> end
```
