Subject: Re: how to use Mosaic_doit procedure
Posted by devin.white on Mon, 02 Jul 2007 12:27:01 GMT
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There are two main issues with how your program is set up. First, MOSAIC_DOIT can't be used in a FOR loop to build one large output file. Using the routine in this way, and providing the same output filename during each loop, results in the one output file being overwritten each time MOSAIC_DOIT is called. Second, your call to MOSAIC_DOIT is missing some keywords. Chief among them are XSIZE and YSIZE. These two keywords, in units of pixels for image-based output or the units of a particular projection for map-based output, tell MOSAIC_DOIT how large the output mosaic canvas will be. The other two important keywords are X0 and Y0, which tell MOSAIC_DOIT where to place each contributing input image on the output canvas. The following Tech Tip on the ITT VIS website should get you going in the right direction:

http://www.ittvis.com/services/techtip.asp?ttid=3336

On Jun 29, 9:00 am, wlz <wuliz...@gmail.com> wrote:
> I want to Mosaic the SRTM data,I used the "mosaic_doit" procedure,but
> it doesn't work.Can you tell me why? my code as followed:
>
> PRO MOSIC_SRTM
> Compile_opt strictarr
> File_Path='F:\WorkSpace\SRTM\test\'
> Filelist=file_search(File_Path+'*.img',count=count)
> Envi, /restore_base_save_files
> Envi_batch_init, log_file='batch.txt'
> ;
> ; Open the input files
> ;
> mosaic_image='F:\WorkSpace\SRTM\mosaic.img'
> mosaic_image1='F:\WorkSpace\SRTM\mosaic1.img'
> FOR i=0,count-1 DO BEGIN
> envi_open_file, mosaic_image, r_fid=mosaic_fid
> envi_file_query,mosaic_fid,dims=mosaic_dims,ns=m_ns
> ;print,mosaic_dims
> ;print,'m_ns=',m_ns
> envi_open_file,Filelist[i],r_fid=f_fid
> envi_file_query,f_fid,dims=f_dims
> mapinfo=ENVI_GET_MAP_INFO(fid=mosic_fid)
> m_fid=[mosaic_fid,f_fid]
>
> pos=[0,0]
> dims=[[mosaic_dims],[f_dims]]

```
>               ;print,dims
>               Envi_doit,'mosaic_doit',fid=m_fid,pos=pos,dims=dims,/
> GEOREF,MAP_INFO=mapinfo,$
>                                       out_name=mosaic_image1,out_bname='Mosaic
> image',background=255,R_FID=r_fid;,Out_DT=2,PIXEL_SIZE=3.0
>               print,'r_fid = ',r_fid
>       ENDFOR
>
>       Envi_batch_exit
> END
```

Subject: Re: how to use Mosaic_doit procedure
Posted by wlz on Thu, 05 Jul 2007 12:48:19 GMT
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On Jul 2, 8:27 pm, "devin.wh...@gmail.com" <devin.wh...@gmail.com>
wrote:
> There are two main issues with how your program is set up. First,
> MOSAIC_DOIT can't be used in a FOR loop to build one large output
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> MOSAIC_DOIT is missing some keywords. Chief among them are XSIZE and
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>> PRO MOSIC_SRTM
>>   Compile_opt strictarr
>>   File_Path='F:\WorkSpace\SRTM\test\'
>>   Filelist=file_search(File_Path+'*.img',count=count)
>>   Envi, /restore_base_save_files
>> Envi_batch_init, log_file='batch.txt'
>> ;
>> ; Open the input files
>> ;

```
>>   mosaic_image='F:\WorkSpace\SRTM\mosaic.img'
>>   mosaic_image1='F:\WorkSpace\SRTM\mosaic1.img'
>>        FOR i=0,count-1 DO BEGIN
>>             envi_open_file, mosaic_image, r_fid=mosaic_fid
>>             envi_file_query,mosaic_fid,dims=mosaic_dims,ns=m_ns
>>             ;print,mosaic_dims
>>             ;print,'m_ns=',m_ns
>>             envi_open_file,Filelist[i],r_fid=f_fid
>>             envi_file_query,f_fid,dims=f_dims
>>             mapinfo=ENVI_GET_MAP_INFO(fid=mosic_fid)
>>             m_fid=[mosaic_fid,f_fid]
>
>>             pos=[0,0]
>>             dims=[[mosaic_dims],[f_dims]]
>>             ;print,dims
>>             Envi_doit,'mosaic_doit',fid=m_fid,pos=pos,dims=dims,/
>>  GEOREF,MAP_INFO=mapinfo,$
>>                                          out_name=mosaic_image1,out_bname='Mosaic
>>  image',background=255,R_FID=r_fid;,Out_DT=2,PIXEL_SIZE=3.0
>>             print,'r_fid = ',r_fid
>>        ENDFOR
>
>>        Envi_batch_exit
>>  END
```

thanks.
