
Subject: Re: Problem with ENVI_DOIT, 'CF_DOIT'
Posted by [AliSoomro](#) on Mon, 01 Dec 2014 06:04:00 GMT
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The answer you replied is quite helpful, likewise, dear Pete, I also need your help in this same question, basically i don't want to pick files when it asks (using 'ENVI_PICKFILE'), because i have to process several images, and it seems tedious to me, therefore i made an attempt to do this all automatically, but the error occurs, and to tell you the truth the program i have made is also kind of tedious, do you know how to run it in loop? i want to save first four files as envi standard, then next four, then next four, and so on

pro Layer_Stack

compile_opt idl2

```
;
;
; First restore all the base save files.
;
envi, /restore_base_save_files
```

ENVI_INIT, /batch_mode

```
;
;
; Open the input file
;
```

CD, 'D:\test2\Layer stack\LT51510372009253KHC00\'

file = FILE_SEARCH('*.TIF')

```
ENVI_OPEN_FILE, file(0), r_fid=fid
ENVI_FILE_QUERY, fid, dims=dims, nb=nb, geo_points=geo_points, nl=nl, ns=ns
ENVI_OPEN_FILE, file(1), r_fid=fid
ENVI_FILE_QUERY, fid, dims=dims, nb=nb, geo_points=geo_points, nl=nl, ns=ns
ENVI_OPEN_FILE, file(2), r_fid=fid
ENVI_FILE_QUERY, fid, dims=dims, nb=nb, geo_points=geo_points, nl=nl, ns=ns
ENVI_OPEN_FILE, file(3), r_fid=fid
ENVI_FILE_QUERY, fid, dims=dims, nb=nb, geo_points=geo_points, nl=nl, ns=ns
```

fid=[fid1,fid2,fid3,fid4]

pos=[0,0,0,0]

; Create the new ENVI file

```
envi_doit, 'cf_doit', fid=fid, pos=pos, dims=dims, $
    out_name='layer_stack1.tif', r_fid=r_fid
```

CD, 'D:\test2\Layer stack\LT51510372009253KHC00\'

```
file = FILE_SEARCH('*.TIF')
```

```
ENVI_OPEN_FILE, file(4), r_fid=fid  
ENVI_FILE_QUERY, fid, dims=dims, nb=nb, geo_points=geo_points, nl=nl, ns=ns  
ENVI_OPEN_FILE, file(5), r_fid=fid  
ENVI_FILE_QUERY, fid, dims=dims, nb=nb, geo_points=geo_points, nl=nl, ns=ns  
ENVI_OPEN_FILE, file(6), r_fid=fid  
ENVI_FILE_QUERY, fid, dims=dims, nb=nb, geo_points=geo_points, nl=nl, ns=ns  
ENVI_OPEN_FILE, file(7), r_fid=fid  
ENVI_FILE_QUERY, fid, dims=dims, nb=nb, geo_points=geo_points, nl=nl, ns=ns
```

```
fid=[fid1,fid2,fid3,fid4]  
pos=[0,0,0,0]
```

```
; Create the new ENVI file  
envi_doit, 'cf_doit', fid=fid, pos=pos, dims=dims, $  
    out_name='layer_stack1.tif', r_fid=r_fid
```

```
; Exit ENVI  
;  
envi_batch_exit  
  
end
```
