
Subject: SUBSET_by_EVF

Posted by [gaurijyoti29](#) on Sun, 08 May 2011 09:48:23 GMT

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I am using the idl code kept on idl pwwave group website by Pete yazdi: for extracting subset from an image. I am trying to extract data for india (using india.evf) from mosaic of eight tiles of modis ndvi data. However, i am getting the following error as follows;

ENVI Retrieve Data: An error has occurred during processing.

Error: POINT_LUN: Negative position argument not allowed.

Position: -10318977704060

Unit: 102

File: D:/MOD13A3/Modis13a3_200032.img.

The results may be invalid.

Any help would be very much appreciated.

```
pro SUBSET_by_EVF
```

```
envi, /restore_base_save_files
```

```
envi_batch_init,log_file='batch.txt'
```

```
; define the image to be opened
```

```
img_file='C:\RSI\IDL61\products\ENVI41\data\bhtmref.img'
```

```
envi_open_file,img_file,r_fid=fid
```

```
print, 'fid=',fid
```

```
; query the file and define the output file variables
```

```
envi_file_query,fid,dims=dims,ns=ns,nl=nl,nb=nb
```

```
t_fid=lonarr(nb)+fid
```

```
pos=lindgen(nb)
```

```
out_name='subset.img'
```

```
;open the EVF file
```

```
evf_fname='C:\RSI\IDL61\subset_via_roi\bhtmref.evf'
```

```
evf_id=envi_evf_open(evf_fname)
```

```
;get the vector information
```

```
envi_evf_info,evf_id,num_recs=num_recs,data_type=data_type,p rojection=projection,$
```

```
layer_name=layer_name
```

```
; print information about each record
```

```
print, 'Number of records:', num_recs
for i=0,num_recs-1 do begin
    record=envi_evf_read_record(evf_id,i)
    print, 'Number of nodes in Record '+strtrim(i+1,2)+':
',n_elements(record[0,*])
    print, 'Record Info:'
    print, record
endfor
```

```
; Get record info (assuming one record in EVF)
record=envi_evf_read_record(evf_id,0)
xMap=record[0,*]
yMap=record[1,*]
```

```
;Convert record to xy pixel coordinates of the image to be subsetted
envi_convert_file_coordinates,fid,xf,yf,xMap,yMap
```

```
;Prepare the subset dimensions
dims[0]=-1L
dims[1]=min(xf)-1
dims[2]=max(xf)-1
dims[3]=min(yf)-1
dims[4]=max(yf)-1
```

```
;Use copyfile_doit to copy input file with new dimensions
envi_doit,'cf_doit',fid=t_fid,pos=pos,dims=dims,remove=0,out_name=out_name,-
r_fid=r_fid
```

```
; Exit Envi
envi_batch_exit
end
```
