
Subject: trying to export pixel data from .dat files, based on coordinate loc
Posted by [Snow53](#) on Fri, 09 Jul 2010 16:53:41 GMT

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Hi, I'm new to IDL so this might sound very easy to some. Sorry!
I have 200+ .dat files in one folder, and one associated .hdr file
that will work for all of them.
I would like to loop through all the files and extract pixel value
information based on an input coordinate location (lat, long) for each
file, and then export all this information into a .txt file or
similar.

I've been trying to follow other posts that have done similar, but I
seem to be writing this out wrong as my code isn't compiling correctly
(I seem to have problems on lines 9 & 14, see below). I don't know
enough about IDL rules to know the correct way to do this.

If anyone could advise, I'd be so grateful! Cheers!

Name: extractdata.pro

```
;  
; Goal: Extract pixel data based on input coordinate location for each  
file (.dat)  
; within a specified folder location. Export this data to a .txt file.
```

```
pro extractdata  
;define path  
  filepath='X:\MERRA\HDF_Output_Lena'  
;open envi files within given folder  
  file_array=file_search[filepath, '*.dat', count['*.dat']= num_file]  
  for i=0, num_file-1 do begin  
  
    file=file_array[i]  
    print, num_file  
  
;read ENVI binary file  
    read_ENVI_image (file, headerfile= filepath, '*.hdr')  
;extract pixel information based on lat long coordinates  
    b=ENVI_CONVERT_FILE_COORDINATES [106.002, 83.0]  
    v=b  
    print, v  
  
;open text file to write data to  
    OPENU, U, 'pixel_value.txt', /get_lun, /append  
;write data  
    printf, U, v  
;close LUN  
    close, U
```

endfor

end
