
Subject: IDL

Posted by [BigDaveII](#) on Sun, 20 Mar 2011 14:55:20 GMT

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Hello all

So I have made some progress but I am stuck again being new to IDL

So I got it to display a color image using the following code

```
data = read_binary('avhrr_pf.ndvi.1nmeg1.8207.bin', data_type = 4,  
data_dims = [360, 180], endian = 'big')  
device, decomposed = 0  
xloadct  
window, 0, xsize = 360, ysize = 180  
!order=1  
tv, data
```

However, I was trying to create a procedure so that I can just call it up.

I keep getting this error

File does not exist: 'homework1a.pro'.

```
pro Homework1a,  
      ^
```

% Syntax error.

At: F:\GMUMAY2010\GGS754EarthScienceandAdvanceDataAnalysis\Homework1a
\\Homework1\Data\NDVI\HW1\Homework1a, Line 1

% 1 Compilation error(s) in module \$MAIN\$.

IDL> tv, data

What am I doing wrong?

How do I calculate which pixels correspond to the particular latitude and longitude values that defines a subset, and then use IDL's array subscripting to put that subset into a new variable?

How do I set up a loop to go through all of my NDVI images, extract the appropriate subset, then display each subset?

I have taken some general notes

```
Define a 3D data array data(360, 180, 24)  
for k=1,24
```

```
forming the file name for each k  
read one file into an 2D array, say a  
data(*,*,k) = a  
end loop k
```

```
determine the indices for the given lat/lon, say ig, jg  
pick the values for that location and form a time series vector  
ts = data(ig, jg, *)
```

```
display the time series, ts
```
