
Subject: Spatial and temporal image correlation

Posted by [Cornelio Zolin](#) on Thu, 15 Aug 2013 16:19:01 GMT

[View Forum Message](#) <> [Reply to Message](#)

Dear all,

Hi all,

I have just started using IDL and I'm having hard times even with simple tasks. I'm trying to do the following task:

I have 12 folders (2001, 20022012) and in each folder I have 35 files .dat of anomalies (7 months NDVI, 7 months Surface temperature and so on) and I would like to do a correlation (pixel by pixel) for each index in each month for each year.

After that I want to make one plot per year: each index in a different column and each row representing a different month.

I started writing the code bellow, but I'm confused now. I think the next step would be REFORM the images, so for each image I will have a vector that I could use to do the correlation. Is there anyone that could help me on that?

Thanks a lot,

```
PRO ImgCorr,
  CD, 'C:\Anomalies\year'
  theseFiles = FindFile('*.dat', Count=numFiles)
  Print, 'Number of files found: ', numFiles
  FOR j=0,numFiles-1 DO BEGIN
    OpenR, lun, theseFiles(j), /Get_Lun
    File = fltarr(620, 500)
    ReadU, lun, File
    JustNumbers= where(File eq -9999, count)
    File[JustNumbers]=!VALUES.F_NAN
    *
    *
    *
    *
    Free_Lun, lun
  ENDFOR
END
```