Subject: Re: stacking the images according to julian date Posted by David Fanning on Tue, 20 Aug 2013 20:27:24 GMT

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ansul writes:

> I am a newbie in IDL and thought I might get some information here.

>

> I need to do a time series analysis with landsat images (almost 500 images). I need to stack the image according to the julian dates. So I have 500 images in a folder which are named Indsr.LT50140331989278XXX01. In this naming format the Julian date starts from the 20th position to 22nd position. And I need to use this information to stack the image.

· >

> All your help will be much appreciated.

```
filenames = File_Search("Indsr.*", COUNT=count)
juldates = DblArr(count)

; Parse the filename for the Julian date.
FOR j=0,count-1 DO BEGIN
    thisFile = filenames[j]
    year = Fix(StrMid(thisFile, 15, 4))
    doy = Fix(StrMid(thisFile, 19, 3))
    juldates[j] = JulDay(1, doy, year)
ENDFOR
```

; Sort the Julian dates. sorted = Sort(juldates)

; Sort the filenames in the right order for stacking. filenames = filenames[sorted]

I don't think you REALLY want to stack these images, but now you have them in the right order, in case you want to process them in the right order.

Cheers.

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")