
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.")
