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Subject: Re: create a loop on IDL

Posted by [andrewcool777](#) on Sat, 18 Jun 2016 06:01:10 GMT

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On Friday, 17 June 2016 05:07:08 UTC+9:30, Shereen Nadoum wrote:

> Thank you very much. Your code makes more sense than mine.

>

> I am trying to write a code to read all 534 bsq files and extract data for specific pixel values.

> I am creating a time series for soil data for 12 years. I am very new to IDL.. been unsuccessful in writing this code.

> 1) read the bsq data

> 2)write the data in an array

> 3) extract the data specific pixel values.

>

> I don't really know if the code I have is complete yet.

Shereen,

Try this.

Regards,

Andrew

```
pro soil_timeseries, dir, soil, outarr
```

```
files = file_search(dir, '*.bsq', count = nfiles)
```

```
help,files
```

```
If files[0] EQ '' then begin
```

```
    message,'No files found'
```

```
Endif
```

```
; file= 'F:\soil\MCD43A4.2000.049_soil.bsq\'
```

```
; how many files were found?
```

```
nfiles = N_Elements(files)
```

```
; as you have 534 files, and are reading just 1 element from the data in each file, then create an
```

```
; array that is simply 534 elements long
```

```
outarr = FLTARR(nfiles)
```

```
data=intarr(2400,2400,/nozero)
```

```
for i = 0, nfiles - 1 do begin
```

```
    print, i, ' ', files(i)
```

```
    openr, read_lun, files(i), /get_lun
```

```
    READF,read_lun, data
; this is reading just 1 element out of a 2D array)
; so copy single element into "ith" position of output array
    outarr[i] = data[28,1759]*0.0001
    free_lun,read_lun
endfor
```

```
end
```

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