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Subject: Re: programming in IDL  
Posted by [R.Bauer](#) on Sat, 29 Mar 2003 21:32:16 GMT  
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matthias wrote:

> Hi,  
>  
> My knowledge about programming is very small, so i hope that somebody  
> can help me out.  
>  
> This is what i'm trying to do. I want to open many binary datasets of  
> the AVHRR satellite. They all have the same beginning, namely  
>  
> "subset\_app\_s005\_1998." Then it counts down from 365 untill 001 (for  
> every day of the year)So i have  
>  
> "subset\_app\_s005\_1998365."  
> ...  
> "subset\_app\_s005\_1998001."  
>  
> after that, the files are ending as follows: \_0200\_temp.v3  
> \_1400\_temp.v3  
>  
> so i have for exemple :  
> subset\_app\_s005\_1998364\_1400\_temp.v3  
> subset\_app\_s005\_1998001\_0200\_temp.v3  
>

Dear Matthias  
hope I understand correctly

You should have a look at the online help for file\_search

```
files = FILE_SEARCH(Dir_Specification, Recur_Pattern,count=n)
for i=0,n-1 do begin
  x=your_reading_routine(files[i])
  result=total(x)/number_of_datasets
  print,result
endfor
END
```

regards  
Reimar

> Now I would like to read them in all at once, count all the values of

> the datasets together. After the iteration i then could divide the  
> values by the number of datasets so i'll have a yearly mean.  
>  
> I think i 'll have to work with ('if...then) and strings but i haven't  
> got a clue how to begin....  
>  
> Could u help me out?  
> Thanks,  
>  
> Matthias

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<http://www.fz-juelich.de/icg/icg-i/>

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a IDL library at ForschungsZentrum Juelich  
[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_lib\\_intro.html](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html)

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