
Subject: Re: a strange loop problem

Posted by [bulrushmower](#) on Tue, 24 Jun 2008 13:36:34 GMT

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On Jun 24, 2:33 am, Anthony <anthonymsmit...@gmail.com> wrote:

> On Jun 24, 3:53 am, bulrushmo...@gmail.com wrote:

>

>

>

>

>

>> What is wrong with the loop for the following:

>> i=0

>> Print, 'SDS_NAME'+STRTRIM(string(i+1),2), prints SDS_NAME01

>> But, Band = hdf_sd_nametoindex(file, 'SDS_NAME'+STRTRIM(string(i+1),
>> 2)) is not the same with

>> Band = hdf_sd_nametoindex(file, SDS_NAME01)

>> =====

>> SDS_NAME01 = "SREFL_CH1"

>> SDS_NAME02 = "SREFL_CH2"

>> SDS_NAME03 = "BT_CH3"

>> SDS_NAME04 = "BT_CH4"

>> SDS_NAME05 = "BT_CH5"

>> SDS_NAME06 = "SREFL_CH3"

>> SDS_NAME07 = "SZEN"

>> SDS_NAME08 = "VZEN"

>> SDS_NAME09 = "RELAZ"

>> SDS_NAME10 = "QA"

>

>> file = hdf_sd_start(fPath_data

>> +"AVH09C1.A1998180.N14.002.2007273131632.hdf")

>

>> for i=0, 9 do begin

>> Band = hdf_sd_nametoindex(file, 'SDS_NAME'+STRTRIM(string(i+1),2))

>> data = hdf_sd_select(file, Band)

>> hdf_sd_getdata, data, getdata

>> hdf_sd_endaccess, data

>

>> endfor

>

> Band = ...(file, 'SDS_NAME01')

> is not the same as

> Band = ...(file, SDS_NAME01)

> Maybe that's the problem?

>

> You could use execute(), e.g.:

> Void = execute('Band = ...(file,' + string(...) + ')')

>

```
> Or why not put the SDS_NAMES into an array?
>
> SDS_NAMES = ["SREFL_CH1", "SREFL_CH2", ...]
> ...
> for i = 0, 9 do begin
>   Band = hdf_sd_nametoindex(file, SDS_NAMES[i])
>   ...
> endfor
>
> Hope that helps!
>
> Cheers,
> Anthony- Hide quoted text -
>
> - Show quoted text -
```

Thanks for all the help. I tried all, but does not work. But I solved the problem using other method.

--get variable names by Gumley's HDF file reader
--then loop the variable names as a string

It works.
