Subject: Re: supressing messages
Posted by Mark Rehbein on Thu, 22 Jul 1999 07:00:00 GMT
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Liam Gumley wrote:

> Mark Rehbein wrote:
>> I use IDL5.2 on Solaris2.6 Sun machine.
>> My program uses the HDF file routines including HDF_SD_ATTRFIND.
>>
>> usage: attribute_index=HDF_SD_ATTRFIND(SDS_ID, 'attribute_name')
>>
>> if the specified attribute is not found then -1 is returned....fair
>> enough
>>
>> If I call the HDF_SD_ATTRFIND and the attribute is not found I get -1
>> returned but also a message is directed to the screen which says
>>
>> "%HDF_SD_ATTRFIND: Unable to find the HDF-SD attribute."
>>
>> I want to suppress this message so that it doesn't appear on my screen.
>>
>> I've looked through my manuals and the tips at dfanning.com but couldn't
>> find and reference to this sort of thing.
>
> To get around this problem, you should first scan the SDS to see what
> attribute names are available. Let's say you want to get the attribute
> 'scale_factor' if it exists:
>
> ;---cut here---
>
> ;- Get the number of attributes
>
> hdf_sd_getinfo, sds_id, natt=natt
>
> ;- Get the name of each attribute
>
> if natt gt 0 then begin
> att_names = strarr(natt)
> for i = 0, natt - 1 do begin
> hdf_sd_attrinfo, sds_id, i, name=name
> att_names[i] = name
> endfor
> endif
>
> ;- If the requested attribute was found, get it's value
>
> requested_name = 'scale_factor'

```
>  if natt gt 0 then begin
>    index = where(att_names eq requested_name, count)
>    if count gt 0 then begin
>      att_id = hdf_sd_attrfind(sds_id, requested_name)
>      hdf_sd_attrinfo, sds_id, att_id, data=requested_value
>    endif
>  endif
>  if n_elements(requested_value) gt 0 then begin
>    help, requested_value
>    print, requested_value
>  endif
>
>  ;---cut here---
>
>  This method is used in my general purpose HDF SDS reader procedure
>  SDS_READ, which is available at
>  http://cimss.ssec.wisc.edu/~gumley/sds_read.html
>
>  Cheers,
>  Liam.
>
>  --
>  Liam E. Gumley
>  Space Science and Engineering Center, UW-Madison
>  http://cimss.ssec.wisc.edu/~gumley
```

Thanks Liam,

I checked out your SDS_READ application. It looks good and will probably use it for exploring my HDF's.

cheers

mark
