
Subject: Re: supressing messages
Posted by [davidf](#) on Tue, 20 Jul 1999 07:00:00 GMT
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Mark Rehbein (mrehbein@aims.gov.au) writes:

> 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."
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> I want to suppress this message so that it doesn't appear on my screen.

You could try setting !Quiet=0 just before the call. (Be sure to set it back again when you are done with the call, or IDL will seem awfully quiet.) I'm going to guess this won't work and that you won't have much control over this, but it's worth a try.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: supressing messages
Posted by [Mark Rehbein](#) on Wed, 21 Jul 1999 07:00:00 GMT
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Hi,

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.

Any help would be appreciated.

Thanks

mark

mrehbein@aims.gov.au

Subject: Re: supressing messages
Posted by [Liam Gumley](#) on Wed, 21 Jul 1999 07:00:00 GMT
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Mark Rehbein wrote:

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- > 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>

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.
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> attribute names are available. Let's say you want to get the attribute
> 'scale_factor' if it exists:
>
> ;---cut here---
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> ;- Get the number of attributes
>
> hdf_sd_getinfo, sds_id, natt=natt
>
> ;- Get the name of each attribute
>
> if natt gt 0 then begin
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>   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
> 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

Subject: Re: supressing messages
Posted by [Mark Rehbein](#) on Thu, 22 Jul 1999 07:00:00 GMT
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David Fanning wrote:

```
> Mark Rehbein (mrehbein@aims.gov.au) writes:
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Thanks David,

Your idea did work, however !quiet=1 needs to be set before the call (not !quiet=0).

cheers

mark
