
Subject: Reading .h5 files into IDL

Posted by [Shawn\[1\]](#) on Wed, 27 Aug 2008 13:10:46 GMT

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Hi all,

I got a problem with .h5 files and IDL. I am currently trying to read data from my .h5 files into a GUI i created using IDL. May i know what routines i could use for this? My .h5 file is of a matrix of 200x200x60.

Subject: Re: Reading .h5 files into IDL

Posted by [Wox](#) on Wed, 27 Aug 2008 14:47:10 GMT

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On Wed, 27 Aug 2008 06:10:46 -0700 (PDT), Shawn
<shawnyeo_m@hotmail.com> wrote:

> Hi all,

>

> I got a problem with .h5 files and IDL. I am currently trying to read
> data from my .h5 files into a GUI i created using IDL. May i know what
> routines i could use for this? My .h5 file is of a matrix of 200x
> 200x60.

Depends on how your .h5 file is structured and whether you know the structure on beforehand. This is the simplest case:

```
file_id = H5F_OPEN(file)
; You know e.g. that the data is in the "groupname"
; group and the dataset is called "dataname"
data_id = H5D_OPEN(file_id, '/groupname/dataname')
data = H5D_READ(data_id)
H5D_CLOSE, data_id
H5F_CLOSE, file_id
```

Check IDL's help for examples.

Subject: Re: Reading .h5 files into IDL

Posted by [David Fanning](#) on Mon, 15 Sep 2008 03:18:18 GMT

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Shawn writes:

> I need some help on reading .h5 files.

> I am using a GUI to read in a .h5 file.
>
>
> My dataset is name a CAPPI
> This is the routines which i use:
>
> file_ID = H5F_OPEN (file_path)
> dataset_ID = H5D_OPEN(file_ID,CAPPI) ----- line 2
> data_space = h5d_get_space(dataset_ID)
> result_space = h5s_create_simple([200,200,30])
> vol_data = H5D_READ(dataset_ID)
> h5s_close, result_space
> h5s_close, data_space
> h5d_close, dataset_ID
> h5f_close, file_ID
>
> But whenever i run the program , i cannot seem to get get pass line
> 2 , It gives me an error mesage saying :H5D_OPEN: String expression
> required in this context: CAPPI.
>
> Can someone tell me what mistake or things have i left out.

I would try putting quotes around CAPPI (i.e., "CAPPI")
to make it a string. :-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
