

---

Subject: Re: reading HDF with HDF\_SD\_START()  
Posted by [fanxing\\_gis](#) on Mon, 08 Oct 2007 03:33:47 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On 10 8 , 9 49 , David Fanning <n...@dfanning.com> wrote:  
> fanxing\_...@163.com writes:  
>> i want to process image data using IDL,so the first step is to  
>> read the data, the format of my data is in HDF, the code i writed as  
>> follows:  
>> IDL> a=dialog\_pickfile()  
>> IDL> hdfid=hdf\_sd\_start(a)  
>> unluckily i encounter the error, the message is:  
>  
>> HDF\_SD\_START: Unable to start the HDF-SD interface.  
>> Execution halted at: \$MAIN\$  
>> what's wrong with it? please help me or give me some hints about this  
>> problem!  
>  
> You may find this article to be of interest:  
>  
> [http://www.dfanning.com/fileio\\_tips/nohdf.html](http://www.dfanning.com/fileio_tips/nohdf.html)  
>  
> 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.")

thank you,David  
i'm sorry to state the occasion when the error listed above occurs.I  
write a programme to view the HDF data structue including scientific  
data set,global attributes and attributes of SD.To do that i start a  
new IDL session and open the HDF file with hdf\_sd\_stat(),it worked  
well, all the SDS were listed in widget\_list using hdf\_get\_info(),here  
i click each of the SDS the attributes or the information of the SDS  
could be showed in a text widget, at the beginning it is run well,but  
repeat the process several times the programme was halted and the  
error message is printed:

HDF\_SD\_START: Unable to start the HDF-SD interface.  
Execution halted at: \$MAIN\$  
in the same session i write the follow code in command line,and the  
same error message printed as above.

```
IDL> a=dialog_pickfile()
```

```
IDL> hdfid=hdf_sd_start(a)
```

after that,i try the fileinfo() function, it's worked well,the result is as follows:

```
** Structure <11534e0>, 7 tags, length=36, data length=36, refs=1:
```

NAME	STRING	'D:\AST_09T_003080820010402180000000.hdf'
EXIST	LONG	1
READ	LONG	1
WRITE	LONG	1
HDF	LONG	1
NETCDF	LONG	0
SIZE	LONG	14324417

if i describe that clearly ,i hope you kind guys could help me  
thanks

---