Subject: Help with HDF_VD_WRITE - field names Posted by Thiago Biscaro on Fri, 04 Apr 2008 14:29:07 GMT View Forum Message <> Reply to Message

Hi everybody

I'm trying to write a Vdata to an HDF file, but for some reason, the only field description IDL accepts is 'PX', like the example in the IDL user's guide.

The command

HDF_VD_WRITE, Vdat, 'PX', intarr(5)

works fine, but

HDF_VD_WRITE, Vdat, 'RR', intarr(5)

returns

HDF_VD_WRITE: Unable to set the VDATA fieldnames to <STRING ('RR')>.

I need to set the field name to something that I can understand later, so PX is not an option... Any ideas on how to sole this? I know I can write as an SDS, but I need to do as Vdata for compatibility with some files we process here.

Thanks!

Subject: Re: Help with HDF_VD_WRITE - field names Posted by jameskuyper on Mon, 07 Apr 2008 17:37:38 GMT View Forum Message <> Reply to Message

```
Thiago Biscaro wrote:
```

- > Hi everybody
- >
- > I'm trying to write a Vdata to an HDF file, but for some reason, the
- > only field description IDL accepts is 'PX', like the example in the
- > IDL user's guide.
- > The command
- > HDF_VD_WRITE, Vdat, 'PX', intarr(5)
- > works fine, but
- > HDF_VD_WRITE, Vdat, 'RR', intarr(5)

```
>
> returns
> HDF_VD_WRITE: Unable to set the VDATA fieldnames to <STRING ('RR')>.
>
> I need to set the field name to something that I can understand later,
> so PX is not an option... Any ideas on how to sole this? I know I can
> write as an SDS, but I need to do as Vdata for compatibility with some
> files we process here.
The following code works fine for me. Could you provide a more precise
explanation of what you're trying to do?
filename = 'test.hdf'
fieldname = 'RR'
file = HDF Open(filename,/CREATE)
Vdat = HDF_VD_Attach(file, -1)
HDF VD FDefine, Vdat, fieldname
; /INT, ORDER=5
HDF_VD_WRITE, Vdat, fieldname, intarr(5)
HDF VD Detach, Vdat
```

Subject: Re: Help with HDF_VD_WRITE - field names Posted by Thiago Biscaro on Tue, 08 Apr 2008 12:47:08 GMT View Forum Message <> Reply to Message

HDF_Close, file

```
On 7 abr, 14:37, jameskuy...@verizon.net wrote:

> Thiago Biscaro wrote:

>> Hi everybody

> 
> I'm trying to write a Vdata to an HDF file, but for some reason, the

>> only field description IDL accepts is 'PX', like the example in the

>> IDL user's guide.

> 
> The command

> 
> HDF_VD_WRITE, Vdat, 'PX', intarr(5)

> 
> works fine, but

> 
> HDF_VD_WRITE, Vdat, 'RR', intarr(5)

> 
> HDF_VD_WRITE; Unable to set the VDATA fieldnames to <STRING ('RR')>.
```

```
>
>> I need to set the field name to something that I can understand later,
>> so PX is not an option... Any ideas on how to sole this? I know I can
>> write as an SDS, but I need to do as Vdata for compatibility with some
>> files we process here.
> The following code works fine for me. Could you provide a more precise
  explanation of what you're trying to do?
> filename = 'test.hdf'
> fieldname = 'RR'
> file = HDF_Open(filename,/CREATE)
> Vdat = HDF_VD_Attach(file, -1)
> HDF_VD_FDefine, Vdat, fieldname
> ; /INT, ORDER=5HDF_VD_WRITE, Vdat, fieldname, intarr(5)
> HDF VD Detach, Vdat
> HDF_Close, file
```

Yes, this works just fine. I didn't know that I had to pre-define the field name with the HDF_VD_DEFINE. Thank you very much!