
Subject: Help with HDF_VD_WRITE - field names
Posted by [Thiago Biscaro](#) on Fri, 04 Apr 2008 14:29:07 GMT
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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 solve 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
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Thiago Biscaro wrote:

> Hi everybody

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> only field description IDL accepts is 'PX', like the example in the
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> so PX is not an option... Any ideas on how to solve 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  
HDF_Close, file
```

Subject: Re: Help with HDF_VD_WRITE - field names
Posted by [Thiago Biscaro](#) on Tue, 08 Apr 2008 12:47:08 GMT
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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
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>
>> The command
>
>> HDF_VD_WRITE, Vdat, 'PX', intarr(5)
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>> HDF_VD_WRITE, Vdat, 'RR', intarr(5)
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```
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>
> 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!
