
Subject: PV-WAVE

Posted by [grueber](#) on Wed, 28 Jun 1995 07:00:00 GMT

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My Problem with the PV-WAVE SDS interface, a subset of HDF from NCSA:

I want to read a one dimensional array of a scientific data set (SDS) from a HDF file via the function SDreaddata into a two dimensional array (respective into a subarray of buffer array).

For example:

```
-----  
length = 3000000L  
number = 12L
```

```
buffer = intarr(length,number)
```

```
k = 2
```

```
...
```

```
status = SDreaddata(sdsid,[0],[1],[len],buffer(0:len,k))  
----- ^^^^^^^^^^^
```

This example doesn't work, despite it's possible to address subarrays in this manner (array(from:to)) in PV-Wave. Status doesn't indicate an error! I work around it in this way:

```
-----  
tmpbuf = intarr(len)
```

```
...
```

```
status = SDreaddata(sdsid,[0],[1],[len],tmpbuf)
```

```
buffer(0:len,k) = tmpbuf  
-----
```

But the disadvantage of this work around is the unacceptable waste of time for the additional copy operation.

Reading 4 MB via SDreaddata lasts about 2 seconds, but copying the buffer lasts about 10 seconds !!??!!

(This tests were made on a Sparc 20 with enough memory and fast hard disks)

Does anybody have a solution or a more efficient work around for this problem?

Thanks for help in advance

Wilhelm Grueber

PS: Please send an email directly to my address (grueber@dv.kp.dlr.de)

Subject: Re: PV-Wave
Posted by [MD](#) on Tue, 23 Sep 1997 07:00:00 GMT
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Paul Ducksbury wrote:

- >
- > If this newsgroup is called comp.lang.idl-pvwave why
- > does there never appear to be any information from
- > people who use pv-wave as opposed to IDL ?
- >
- > Paul Ducksbury

I've often wondered this myself...

Of course, I've been guilty of being a "lurker", but I do have a PV-Wave question (Version 6.x, VMS platform):

In programming widgets, there is apparently a method of programmatically scrolling text panels (using a keyword). I've yet to be able to get this to scroll to the desired line. Any ideas?

Thanks,
MD

Subject: Re: PV-WAVE
Posted by [Pavel A. Romashkin](#) on Thu, 21 Dec 2000 18:03:54 GMT
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Gee, that's a question VN should be able to handle out of courtesy. I heard that IDL/PVWave licensing is so sophisticated that sometimes you can't make 'em run not only for a limited time or a given drive, but at all, especially after an upgrade :-)

Cheers,
Pavel

Dave Lean wrote:

- >
- > We have developed an application using PV-WAVE.
- > We would like to allow potential purchasers to try it out for a limited
- > period of time.
- > Does anyone know of a method of 'locking' such an application so that, for
- > example, it will not work after a certain date, and preferably only on a
- > specific hard disk ?
- >
- > tia

