
Subject: Re: Real Number on PVWAVE
Posted by [davidf](#) on Wed, 17 Nov 1999 08:00:00 GMT
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Daniele Monti (daniele.monti@usa.net) writes:

```
> Thanks a lot for your help
> I've already tried to print data as you said but if I read these
> numbers using "DC_READ_FREE" :
>
> 37374.000200
> 37374.000400
> 37374.000600
> 37374.000800
> 37374.001000
> 37374.001200
> 37374.001400
> 37374.001600
> 37374.001800
> 37374.002000
>
>
> The result I get is:
>
> WAVE> Print, x, Format='(D20.6)'
>    37374.000000
>    37374.000000
>    37374.000000
>    37374.000000
>    37374.000000
>    37374.000000
>    37374.000000
>    37374.000000
>    37374.000000
>    37374.003906
>
> Why????
```

Well, I suspect that DC_READ_FREE is reading the data as Floats, rather than as Doubles. I'm not familiar with the routine, but I'd guess it was written in the PV-Wave language and probably of the same quality as something like READ_IMAGE in IDL. :-)

Is there a DOUBLE keyword that you can set?

In any case, I put your data into a text file

named "test.txt" and read it perfectly like this:

```
OpenR, lun, 'test.txt', /Get_Lun
data = DblArr(10)
ReadF, lun, data
Free_Lun, lun
Print, data, Format='(F20.6)'
```

Here is the output:

```
37374.000200
37374.000400
37374.000600
37374.000800
37374.001000
37374.001200
37374.001400
37374.001600
37374.001800
37374.002000
```

Cheers,

David

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