
Subject: Re: Arrays

Posted by [David Fanning](#) on Wed, 30 Jun 2004 00:26:10 GMT

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Rafael Loos writes:

> Hi, I am new with IDL and I am having some problems with arrays.
> I have a file with 4 column and 5,607,515 rows.
>
> Example of one line: 3 492515.080 5506165.090 98.320
>
> I am separating all the columns in different arrays (1, 5607515)
>
> The problem is when I try to visualize the SECOND column (492515.080)
> ... what I see is just the numbers before de "point" and the point (eg
> 492515.) all the numbers after I can not see ...
> With the other columns that is not a problem ... just with the second
> ... What am I doing wrong ?

Well, I don't know why your problems are confined to just the second column, but I agree with Craig that you need to make these values double precision. Note this experiment:

```
IDL> d='3 492515.080 5506165.090 98.320'  
IDL> a=fltarr(4)  
IDL> print, a[1]  
492515.
```

And, then:

```
IDL> a=dblarr(4)  
IDL> reads, d, a  
IDL> print, a[1]  
492515.08
```

And, especially,

```
IDL> print, a[1], format='(F20.4)'  
492515.0800
```

You might find this article useful:

<http://www.dfanning.com/tips/double.html>

Cheers,

David

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