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Subject: Re: [Q] Reading from ASCII file?  
Posted by [Vap User](#) on Thu, 23 Jul 1998 07:00:00 GMT  
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TSS Operator on duty <operator@ramses.tss.no> writes:

I think the 'D' format assumes the numbers are 'float' as opposed to 'double' so there will probably be some rounding. In any case, perhaps the following will work, and be faster than the loop.

Say there are 'Nlines' lines in the file.

```
tmp=dblarr(4,nlines)
readf, unit, tmp
UTMCoords = tmp(0:1,*)
pixelcoords = long( tmp(2:3,*) ) ; perhaps 'fix' instead of long?
tmp=0 ;be nice to your fellow users!
close, unit
```

This assumes there are always four columns.

whd

```
>
> Hi!
>
> I'm reading UTM map coordinates from an ASCII file, which has lines
> like:
> 681765.37    7450650.54    334    1
>
> I read this with code on the form:
> while (NOT EOF(unit)) do begin
>   format='(2D,2I)'
>   readf,unit,temp1,temp2
>   UTMcoords(*,i)=temp1
>   pixelcoords(*,i)=temp2
>   i=i+1
> endwhile
> (all relevant variables in double format)
>
> Everything works out fine, except that the second column is rounded off:
> 7450650.54 ---> 7450650.5
> that is: 8 numbers in any case (before or after the decimal-point). "So
> what?" you're saying? The problem is that I really need all my 9
> numbers. Anyone got an idea??
>
> Regards,
```

> Gunnar L. Rasmussen, Applied Physics, Univ. of Tromsoe, Norway  
>

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I don't speak for JPL, it doesn't speak for me.

Well, not all the time, at least.

William Daffer <vapuser@haifung.jpl.nasa.gov>

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Subject: Re: [Q] Reading from ASCII file?  
Posted by [mgs](#) on Fri, 24 Jul 1998 07:00:00 GMT  
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In article <35B6E8E9.75FCB5A3@ramses.tss.no>, gunnarlr@phys.uit.no wrote:

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>  
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> like:  
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> I read this with code on the form:  
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>    i=i+1  
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> (all relevant variables in double format)  
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> Everything works out fine, except that the second column is rounded off:  
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> that is: 8 numbers in any case (before or after the decimal-point). "So  
> what?" you're saying? The problem is that I really need all my 9  
> numbers. Anyone got an idea??  
>  
> Regards,  
> Gunnar L. Rasmussen, Applied Physics, Univ. of Tromsoe, Norway

I suspect your data is read and stored intact, but printed in a rounded format. Look at the Print, Format=() commands to see what's actually in the variables.

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Mike Schienle  
mgs@la.znet.com

Interactive Visuals  
<http://la.znet.com/~mgs/>

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