
Subject: Unexpected negative values when reading txt file
Posted by [Oliver Angelil](#) on Tue, 26 Nov 2013 07:55:07 GMT
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Hi,

I'm opening and reading from a txt file. The first line is:
AIG 560401 130713 6.924435968 46.32664277

I'm having trouble reading the integers 560401 and 130713. I cannot read all six digits (four seems to be the maximum). My code is:

```
-----  
OPENR, lun, filename, /get_lun  
sdata=string(0)  
idata = intarr(2)  
readf, lun, sdata,idata, format= '(A3, 2I5)'  
-----
```

This produces:

```
IDL> print, sdata  
AIG  
IDL> print, idata  
5604    1
```

As soon as I change format='(A3, 2I5)' to format ='(A3,2I7)'

It produces random negative values!?

```
IDL> print, idata  
-29423  -359
```

Thanks in advance,

Oliver

Subject: Re: Unexpected negative values when reading txt file
Posted by [Ludo](#) on Tue, 26 Nov 2013 09:28:01 GMT
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You're using an INT array, yet int numbers must be in range [-32,768, +32,767].
Try using LONARR instead of INTARR or even ULONARR if you know you can't have negative values.
Signed long numbers can go from -2 147 483 648 to +2 147 483 647.

(See IDL Help : IDL Data Types)

Subject: Re: Unexpected negative values when reading txt file
Posted by [Oliver Angelil](#) on Tue, 26 Nov 2013 09:54:11 GMT
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Works, thanks!
