
Subject: Slightly incorrect values using readf on a plain text file

Posted by [Meg](#) on Mon, 22 Jul 2013 18:23:57 GMT

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I am trying to read the columns of a text file. All of the MET values come in slightly wrong in the one's place. Does anyone have a suggestion on how to fix this problem?

Code:

```
openr,dat,'/users/username/desktop/dataset2.txt',/get_lun
ph2=((em2=(inc2=(error=(numpt=(ph1=(em1=((inc1=(iof = dblarr(9999))))))))))
met= lindgen(9999)
i=0
```

```
while not eof(dat) do begin
  readf,dat,c1, c2, c3, c4, c5, c6, c7, c8, c9, c10
  iof(i)=c1
  inc1(i)=c2
  em1(i)=c3
  ph1(i)=c4
  numpt(i)=c5
  error(i)=c6
  inc2(i)=c7
  em2(i)=c8
  ph2(i)=c9
  met(i)=c10
```

```
  i=i+1
endwhile
free_lun,dat
```

```
in=where(iof ne 0 and inc1 ne 0)
iof=iof(in)
inc1=inc1(in)
em1=em1(in)
ph1=ph1(in)
numpt=numpt(in)
error=error(in)
inc2=inc2(in)
em2=em2(in)
ph2=ph2(in)
met=met(in)
```

Subject: Re: Slightly incorrect values using readf on a plain text file

Posted by [wlandsman](#) on Mon, 22 Jul 2013 18:49:35 GMT

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I would define your c10 variable as c10 = 0L before starting the "while" loop. By default, c10 is of type float, and so may lose precision when reading a large long integer. --Wayne

P.S. I would also be subscripting with square brackets rather than parentheses to avoid confusion later on.

On Monday, July 22, 2013 2:23:57 PM UTC-4, Meg wrote:

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```
>
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> Code:
>
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>
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>
> ph2=((em2=(inc2=(error=(numpt=(ph1=(em1=((inc1=(iof = dblarr(9999))))))))))
>
> met= lindgen(9999)
>
> i=0
>
>
>
> while not eof(dat) do begin
>
>   readf,dat,c1, c2, c3, c4, c5, c6, c7, c8, c9, c10
>
>   iof(i)=c1
>
>   inc1(i)=c2
>
>   em1(i)=c3
>
>   ph1(i)=c4
>
>   numpt(i)=c5
>
>   error(i)=c6
>
>   inc2(i)=c7
>
>   em2(i)=c8
>
>   ph2(i)=c9
>
```

```
> met(i)=c10
>
>
>
>
> i=i+1
>
> endwhile
>
> free_lun,dat
>
>
>
> in=where(iof ne 0 and inc1 ne 0)
>
> iof=iof(in)
>
> inc1=inc1(in)
>
> em1=em1(in)
>
> ph1=ph1(in)
>
> numpt=numpt(in)
>
> error=error(in)
>
> inc2=inc2(in)
>
> em2=em2(in)
>
> ph2=ph2(in)
>
> met=met(in)
```

Subject: Re: Slightly incorrect values using readf on a plain text file

Posted by [Meg](#) on Mon, 22 Jul 2013 18:58:31 GMT

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Problem is fixed! Thank you!
