Subject: Problems reading ASCII data

Posted by rats on Thu, 16 Dec 2004 17:58:10 GMT

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I am trying to read in some large ASCII files. I would like to put these columns into an array, but I am having a problem with the 5th column (e.g. 1/1). IDL changes this to 1.00, when I want it to be a string "1/1" and the other ones to be formatted as double/integer.

This works well using IDL's read_ascii program, but the headers have a +/- character that makes it 'not a valid ascii file' according to IDL.

Below is a sample of the data file.

X | Y | Z | I | Ret#|D±|Ed|Cla|Ang|Time

444997.54, 5384000.40, 278.55, 169, 1/1, 0, 0, 2, 0, 588531.995800

444999.16, 5384001.00, 278.38, 183, 1/1, 0, 0, 2, 0, 588531.995800

444997.81, 5384000.48, 294.75, 000, 1/2, 0, 0, 1, 0, 588531.996000

Is there a quick way to read these data into an array, where it will ignore the header and each column has its own data format?

Subject: Re: Problems reading ASCII data Posted by NACH on Wed, 22 Dec 2004 16:51:03 GMT View Forum Message <> Reply to Message

Transread.pro from Markwardt IDL Library should solve your problem.

RC

rats@mail.geog.uvic.ca wrote:

- > I am trying to read in some large ASCII files. I would like to put
- > these columns into an array, but I am having a problem with the the 5th
- > column (e.g. 1/1). IDL changes this to 1.00, when I want it to be a
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>
        |Y |Z |I |Ret#|D±|Ed|Cla|Ang|Time
> X
>
  444997.54, 5384000.40, 278.55, 169, 1/1, 0, 0, 2, 0, 588531.995800
  444999.16, 5384001.00, 278.38, 183, 1/1, 0, 0, 2, 0, 588531.995800
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