Subject: Re: about READ_ASCII format and PRINT a double array Posted by Spon on Wed, 09 Jul 2008 15:07:52 GMT

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On Jul 9, 6:50 am, CL < lynn0...@gmail.com> wrote:
> Dear all,
 I have two troubles in IDL.
> One is about READ ASCII,
> is there any method to read the "string" from some ascii file?
> a test file is as follows.
      Α
          30.123123123
      B 40.123123123
> test=read ascii('test file')
 col2=[test.field1[1,*]]
>
 IDL will try to transform the format into float.
  Is there any method to read that as a string?
>
> The other trouble is about PRINT
> as the test file above, if I want to print it out,
> col3=[test.field1[2,*]]
> it won't print the "30.123123123" correctly even though
> I set the print format to "D."
> And because the numbers are in an array, I cannot add "d" as
> "30.123123123d."
> Is there any method to print such array correctly?
> Thanks a lot!
> CL
You can select to read in this column as double precision by creating
a template with ASCII_TEMPLATE.
MyTemplate = ASCII TEMPLATE('file.dat')
 - at step 3, click on the appropriate field and choose double
precision
Data = READ_ASCII('file.dat', TEMPLATE = MyTemplate)
Regards,
Chris
```

Subject: Re: about READ_ASCII format and PRINT a double array Posted by Camilo Mejia on Wed, 09 Jul 2008 16:28:03 GMT

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```
On Jul 9, 1:16 am, CL < lynn0...@gmail.com> wrote:
> Dear all,
 I have two troubles in IDL.
> One is about READ ASCII.
> is there any method to read the "string" from some ascii file?
 a test file is as follows.
  1
      A 30.123123123
       B 40.123123123
> test=read_ascii('test file')
> col2=[test.field1[1,*]]
>
> IDL will try to transform the format into float.
> Is there any method to read that as a string?
>
> The other trouble is about PRINT
> as the test file above, if I want to print it out.
> col3=[test.field1[2,*]]
> it won't print the "30.123123123" correctly even though
> I set the print format to "D."
> And because the numbers are in an array, I cannot add "d" as
> "30.123123123d."
> Is there any method to print such array correctly?
> Thanks a lot!
> CL
Hey, have you try
openr,2,'test file'
s=' '
readf,2,s
this read the file line by line.
then extract the part of the string 's' that you need.
cheers
```

Subject: Re: about READ_ASCII format and PRINT a double array Posted by Vince Hradil on Wed, 09 Jul 2008 16:41:18 GMT View Forum Message <> Reply to Message

On Jul 9, 12:50 am, CL < lynn0...@gmail.com > wrote:

```
> Dear all,
> I have two troubles in IDL.
> One is about READ_ASCII,
> is there any method to read the "string" from some ascii file?
> a test file is as follows.
      A 30.123123123
       B 40.123123123
> test=read ascii('test file')
> col2=[test.field1[1,*]]
>
> IDL will try to transform the format into float.
> Is there any method to read that as a string?
>
> The other trouble is about PRINT
> as the test file above, if I want to print it out,
> col3=[test.field1[2,*]]
> it won't print the "30.123123123" correctly even though
> I set the print format to "D."
> And because the numbers are in an array, I cannot add "d" as
> "30.123123123d."
> Is there any method to print such array correctly?
>
> Thanks a lot!
```

You can use the ascii_template() function to make a template then pass this as a keyword to read_ascii.

> CL