
Subject: String to Floating conversion

Posted by [Baro](#) on Mon, 28 May 2012 12:01:12 GMT

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Dear Friends

I am a new user of IDL. this time I am trying to read the data of this type.

```
GRCOF2  0  0 0.100000000000E+01 0.000000000000E+00 0.0000E+00
0.0000E+00 20030301.0000 20030401.0000 nnnn
GRCOF2  1  0 0.000000000000E+00 0.000000000000E+00 0.0000E+00
0.0000E+00 20030301.0000 20030401.0000 nnnn
GRCOF2  2  0 -.484169137464E-03 0.000000000000E+00 0.1256E-10
0.0000E+00 20030301.0000 20030401.0000 ynnn
```

It is a GRACE satellite data

But I am getting error which says "Unable to convert String to Floating"

Can any one help me in reading it, cause i have 122 files with 1895 lines for each, using IDL will simplify it a lot for me. I will wait for your golden responses

Subject: Re: String to float

Posted by [Fabzi](#) on Wed, 09 Jan 2013 19:13:19 GMT

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On 01/09/2013 08:10 PM, Gompie wrote:

```
> Hi,
> I have a string +2.64342987e+02 which I want to convert to float. Each digit is important so I
> dont want to loose any of them while type converting to float.
>
> print float(+2.64342987e+02) gives 264.343
> print, double(+2.64342987e+02) gives 264.34299
>
> I want 264.342987
>
> Can anyone help.
> Rgds
> Gompie
>
```

http://www.idlcoyote.com/math_tips/sky_is_falling.html

Let see if david is faster than me ;-)

Subject: Re: String to float

Posted by [David Fanning](#) on Wed, 09 Jan 2013 19:47:15 GMT

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Fab writes:

```
>
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>> Can anyone help.
>> Rgds
>> Gompie
>>
>
> http://www.idlcoyote.com/math_tips/sky_is_falling.html
>
> Let see if david is faster than me ;-)
```

Right!

```
IDL> n="+2.64342987e+02"
IDL> Print, Double(Str_Replace(n, 'e', 'd')), Format='(F0.6)'
      264.342987
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
