Subject: Re: format codes
Posted by Jim Pendleton on Wed, 28 Sep 2016 15:00:18 GMT

On Wednesday, September 28, 2016 at 5:44:57 AM UTC-6, Craig Markwardt wrote:
> On Tuesday, September 27, 2016 at 10:49:42 AM UTC-4, sayani ghosh wrote:
>> I am working with with phase data that looks like 23568978.124578 in cycles.
>> I want to export the whole value in decimal format without rounding off. The problem while using E11.4 or a or G10.4 is, IDL is rounding my data like 2.3568e+007.. Which is leading to errors in consequent calculations.
>
> FORMAT='(G)'
>
> will print the full double precision and include the exponent where necessary.

For those reading this thread in the future with IDL 8.6 or later, be aware of the difference between "(G)" (FORTRAN-style) and "%g" (C_style) FORMAT specifiers because they are not equivalent.

IDL> print, a, format = '(G)'
   1.234567891011112E-066
IDL> print, a, format = '%g'
1.23457e-066
IDL> print, a, format = '%22g'
1.234567891011112e-066

Jim P.