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Subject: Re: format codes

Posted by [Jim Pendleton](#) on Wed, 28 Sep 2016 18:17:11 GMT

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On Wednesday, September 28, 2016 at 9:22:08 AM UTC-6, Helder wrote:

> Interesting. I seem not to be able to travel forward in time... When is 8.6 appearing for non-time travelers?

> Any further sneak preview info (apart from the c\_style output formatting)?

>

> Thanks,

> h

>

>

>

> On Wednesday, September 28, 2016 at 5:00:20 PM UTC+2, Jim P wrote:

>> 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.

Info on a few new features in 8.6 has been leaking out over the past months over on the IDL Data Point blog on the [www.harrisgeospatial.com](http://www.harrisgeospatial.com) website. The time frame for release is still in the works as of September 28, 2016.

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