
Subject: Re: Precision Problem

Posted by [Bruce Bowler](#) on Mon, 24 Jul 2006 19:19:29 GMT

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On Mon, 24 Jul 2006 09:51:40 -0700, DMac put fingers to keyboard and said:

> shapefile. The X coordinates are fine. The X coordinates are 6 digits
> to the left of the decimal place while the Y coordinates are 7 digits
> to the left of the decimal place

As Paul pointed out, you're getting single precision rather than double precision.

Are the 6 and 7 digits before or after the conversion? If after, the problems are both related as 7 digits is typically the limit of the number of significant digits in a SP number (I think :-). The range is $10^{+/-38}$, but # of significant digits is much less.

Bruce

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Bruce Bowler | People want economy and they will pay any price to
1.207.633.9600 | get it. - Lee Iacocca
bbowler@bigelow.org |
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