Subject: Re: xrange woes
Posted by Craig Markwardt on Thu, 19 Jul 2007 04:17:11 GMT
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Josh <joshuamontague@gmail.com> writes:
> this is a new one for me...
> i'm plotting data points (~50) that are spread over a small x range
> (relative to the values). these data points lie at values around
> 2,000,000, but are spread over a range of about 0.01. I can use
> xrange=[x1,x2] up until the difference between x2 and x1 is about
> 0.25. If I try to make the range smaller, it is just ignored (and
> left at ~0.25) until the range decreases to 0.1 at which point the
> plotted x range jumps to ~30! The xstyle keyword follows the same
> pattern (works until the range is ~0.25, then is ignored).
>
> Has anyone else ever had this happen? Is there some limitation on how
> small xrange can be given the actual xvalues? btw, these data points
> have legitimate values to the standard double precision accuracy.

I always understood the IDL direct-graphics system to be limited to
single precision, even if your data is double precision.
Try subtracting the mean value and see if it works.

Craig