Subject: Re: two issues with julian dates
Posted by David Fanning on Thu, 12 Jul 2007 19:32:39 GMT
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Josh writes:

> First of all, thank you educating me about this. I read a number of
> your articles on the precision of numbers, and I've finally got the
> double precision values I was seeking. However, when I try to put
> them on an x-axis, they appear to revert back to single precision
> values. The array of values are definitely double precision, and I
> set xtickformat='(F20.5)', but sadly the labels appear to be (single)
> floats disguised in the F20.5 format, and the data being plotted is
> clumped into groups instead of nice and continuous (perhaps because it
> sees big gaps in the x values due to their single precision?). I am
> hoping this is a minor step I've missed in the keywords to PLOT.

Are your sure your X values are double precision? (And not
double precision, which were converted from floats, as the
article you read warned you about.)

Can I see how you create these values?

As far as I know, IDL stores axes values in double precision
always since about IDL 5.4.

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")