Subject: Re: two issues with julian dates
Posted by David Fanning on Thu, 12 Jul 2007 19:51:41 GMT

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.

The more I think about this, the more likely it seems to me
that the problem comes from converting doubles to strings.
Have you read this article?

  http://www.dfanning.com/misc_tips/dbl_to_str.html

You might well have to write your own tick formatting function
to make this work the way you want it to work. It's just hard
to tell without seeing what you are doing.

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.")