Subject: Re: Using [XYZ]TICKFORMAT for dynamic formatting
Posted by David Gell on Fri, 22 May 2009 18:42:03 GMT
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On May 21, 4:40 pm, Paul van Delst <paul.vande...@noaa.gov> wrote:
> David Gell wrote:
>> I usually do something like the following when I have to pass data to
>> a callback routine.
>> Change the lowticks routine as follows:
>
>> FUNCTION lowticks, axis, index, value, format=format
>> common qqlowticks, sFormat
>> if n_elements(sFormat) eq 0 then sFormat='("!C",f7.3)' ;;
>> initialize state memory
>> if keyword_set(format) ne 0 then begin
>> sFormat=format
>> return, 0
>> endif
>
>> RETURN, STRING(value, FORMAT = sFormat
>> END
>
>> Then, prior to using lowticks as the value of the xtickformat keyword
>> argument, you set the
>> format string,
>
>> nDummy=lowticks(format='(F7.3)'
>
>> plot, ..., xtickformat=lowticks
>
>> Hope this helps.
>
> Thanks David. I try to not use common blocks where possible, but I will file it away in
> case I can't get the other suggestions to work.
>
> cheers,
>
> paulv

I also avoid common blocks for communications between routines, but I
often use them to hold state information between invocations of a
routine. Think of it as half-ass*d object programming.