Subject: Re: Pan/Zoom Line Plots with Coyote Graphics
Posted by Mark Piper on Fri, 25 May 2012 14:48:23 GMT
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On Friday, May 25, 2012 3:19:03 AM UTC-6, Fab wrote:
> Bonus question: are IDL NG routines better at labeling time
> automatically? (in other words: should I go for IDL 8.2?)

Here's a start:

```
pro timeaxis_ex
  compile_opt idl2

  ; Ten days of data; each sample taken at noon UTC.
  time_min = julday(1,20,2012,12,0,0)
  time_max = julday(1,29,2012,12,0,0)
  time = timegen(start=time_min, final=time_max)
  foo = randomn(1, 10)

  p = plot(time, foo, 'r', $
    xtickunits='days', $
    xtickformat='(C(CMoA,1x,CDI))', $
    title='Time Axis Example')
end
```

Zoom by rolling the scroll wheel. I chose 'days' as the tickunit; you may want to build logic into the window (using NG event handling) to change XTICKUNITS and XTICKFORMAT conditioned on p.xrange.

mp