Subject: Re: slider size

Posted by Andrew Cool on Wed, 29 Aug 2007 02:56:28 GMT

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On Aug 29, 2:04 am, Loren Anderson <andersl...@yahoo.com> wrote:

- >> What about SCROLL=1 and then clicking to the left/right of the slider
- >> drag-thing once you are near your range?

- > Yes, that works well, but I'd really like to be able to control it
- > from the slider itself. I know I'm bring picky....

Loren,

Check the Help template below out. If it looks helpful, you can download discrete_slider.pro from :-

http://www.cool.id.au/IDL/discrete_slider.pro

Basically Discrete slider adds a separate left and right button that shunts

the slider value by the amount that you specify, in the format that you specify.

Note that this program dates from 1993, and will probably give people like David conniptions, or at least severe indigestion ;-)

Cheers,

Andrew

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********** HIGH FREQUENCY RADAR DIVISION, SRL
      ******* Ionospheric Effects
:HELP
;1 DISCRETE SLIDER
 The CW FSLIDER returns values to an accuracy of 0.000001. For many
 applications however we need the incremental step to be a pre-
determined.
 or 'discrete' floating point amount, e.g. a slider for frequency in
MHz
 ranging from 5.00 MHz to 10.00 MHz, stepping every 0.2 MHz.
 Users should supply an appropriate FORMAT statement to match the
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step
; increment, i.e. for an increment of 0.1, a format of F4.1 might
suffice.
 If the FORMAT statement specifies an INTEGER format, then the
returned
; value is converted to type INTEGER.
;2 Setting min max
; DISCRETE SLIDER allows the minimum and maximum values to be set at
any
; time with the WIDGET CONTROL command, by supplying a structure as
input
 to the SET_VALUE keyword, e.g. :-
   value_st = {bot:100,top:500,inc:50,format:'(i3)',value:350}
   WIDGET_CONTROL,base,SET_VALUE=value_st
  ========
                   WARNING
 NOTE: The INCREMENT value is carried in the STATE structure by
     adding a new field to the 'state' and thus the 'state'
     structure as used by Compound widgets. This may yet cause
      compatibility problems with other Compound widgets that
      use the original definition of the state structure.
        A.D. COOL 22-JUL-93
     The DRAG keyword setting is now also carried in the STATE
structure.
                       Glen Conboy 29-JUN-94
=========
;2 Examples
 MHz Slider = DISCRETE SLIDER(base,/DRAG,$
                     /step,$
                     increment = 0.2
                     format = (F4.1)',$
                     MIN
                             = 5.0
                     MAX
                              = 45.0
                                      ,$
                     /frame
                     XSIZE
                              = 300
```

```
UVALUE = "MHz"
                     VALUE = 20.0
                     TITLE = "Frequency (MHz)")
 MHz_Slider = DISCRETE_SLIDER(base,/DRAG,$
                     /step,$
                     increment = 1.0
                     format = '(12)'
                     MIN
                             = 5.0
                     MAX
                              = 45.0
                     /frame
                     XSIZE = 300
                     UVALUE = "MHz"
                     VALUE = 20.0
                              = "Frequency (MHz)")
                     TITLE
:2 KEYWORDS
  END_BUTTONS - Include single step increment/decrement buttons
             to left and right of the slider (at the ENDs).
  STEP BUTTONS - Include single step increment/decrement buttons
             to left and right of printed value.
  INCREMENT - The discrete floating point amount by which the
           value is to change.
  DRAG - Zero if events should only be generated when the mouse
   is released. Non-zero if events should be generated
   continuously when the sliders are adjusted. Note: On slow
   systems, /DRAG performance can be inadequate. The default
   is DRAG=0.
  FORMAT - Provides the format in which the slider value is
displayed.
   This should be a format as accepted by the STRING procedure.
   The default is FORMAT='(G13.6)'
  TIME_FORMAT - Overides FORMAT keyword. Slider value is in the
format
            hh:mm. Assumes 00:00 to 23:59
 HALF HOUR - Sets time format slider to 30 minute intervals,
           otherwise defaults to 15 minute intervals
 TIME INTERVAL - together with TIME FORMAT, specifies how many
intervals in one hour.
                    e.g. 12 intervals = 5 minute
spacing, 4 intervals = 15 minute jumps
 FRAME - Nonzero to have a frame drawn around the widget. The
   default is FRAME=0.
  MAXIMUM - Maximum value of slider (default=100).
  MINIMUM - Minimum value of slider (default=0).
  SUPPRESS VALUE - If true, the current slider value is not
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displayed.
; (default is to display value).
; TITLE - Title of slider (Default is no title).
; UVALUE - Supplies the user value for the widget.
; VALUE - Initial value of slider
; The default is horizontal.
; XSIZE - For horizontal sliders, sets the length.
; FONT - Obvious!!
```