
Subject: convert_coord & overplotting across multiple widget draw windows

Posted by [havok2063](#) on Thu, 10 Jan 2013 01:20:08 GMT

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I have 2 widget draw windows and I want to click and highlight in one and plot something in the other. I've managed to get the mouse coords to convert properly upon switching back and forth between windows, but when I overplot lines for highlighting, the lines, after the first call, either become shifted or do not plot at all. So something is still not quite right with the window coord system.

I've set the 1 window to be the active one and I load in that window's !x, and !y so I'm not sure what else I need to do to get it to consistently overplot.

My code is something like

```
(*pState).wDrawFlux:begin
  widget_control, (*pState).wDrawFlux, get_value=value, get_uvalue=uvalue
  case event.type of
    ;button press
    0:begin
      ;left mouse button press
      if event.press eq 1 then begin
        print, 'left mouse button pressed!'
        wset, value
        !x=(*pState).fluxd.x
        !y=(*pState).fluxd.y
        dataxy = convert_coord(event.x, event.y, /device, /to_data)
        fiberid = floor(dataxy[1])
        print, 'Fiber id: '+strtrim(fiberid,2)

        ;highlight
        oplot, [-5000,5000], fltarr(2)+fiberid, color=!red
        oplot, [-5000,5000], fltarr(2)+fiberid+1, color=!red

        ;plot in other window
        widget_control, (*pState).wDrawSpec, get_value=specwin
        wset, specwin
        plot, flat[*],fiberid]
```

dot dot dot

Thanks for any help.
