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Subject: Re: XY Coords & Widgets

Posted by [mgs](#) on Sun, 24 Sep 1995 07:00:00 GMT

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In article <43mojs\$25h@news.isc.rit.edu>, bjp8350@osfmail.isc.rit.edu (PRYHODA) wrote:

> I am trying to extract XY Coords from an widget\_draw window. I know there  
> is a function for doing this in a normal window but can this be done in a  
> widgets program?

Yes. Use the event.x and event.y parameters of the returned event structure to get the positions. Something like this will do what you're after. There's some extra code in this for processing different mouse buttons and whether they are pressed or released, also.

```
pro tmp_event, event
  print, 'Press/Release: ', event.press, event.release
  if (event.release gt 0) then begin
    print, 'X/Y position: ', event.x, event.y
    case event.release of
      1: print, 'left button released'
      2: print, 'middle button released'
      4: print, 'right button released'
      else: print, 'multi-button release (possible?)'
    endcase
  print
  endif
end

pro tmp
  base = widget_base()
  draw = widget_draw(base, xsize=200, ysize=200, /button_events)
  widget_control, base, /Realize
  Xmanager, 'tmp', base
end
```

```
IDL> tmp
Press/Release:  1  0
Press/Release:  0  1
X/Y position:   11  192
left button released
```

```
Press/Release:  2  0
Press/Release:  0  2
X/Y position:   89  104
middle button released
```

Press/Release: 4 0  
Press/Release: 0 4  
X/Y position: 192 8  
right button released

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