
Subject: Re: Widget_draw coordinates?

Posted by [David Fanning](#) on Fri, 29 Jul 2005 17:21:58 GMT

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b_efremova@yahoo.com writes:

> Can somebody tell me how can I obtain x and y coordinates in data
> units, when using the widget_draw.
> The events have X and Y fields, but their values are only in pixels
> or inches, and I don't see an option for them to be in the data
> coordinate units.

```
c = Convert_Coord(event.x, event.y, /Device, /To_Data)
x = c[0,0]
y = c[1,0]
```

Just be sure you *have* a data coordinate system established when you do the conversion! Typically, you save !X, and !Y from a PLOT command and restore them before the conversion takes place. Or, this occurs just after a PLOT, CONTOUR, SURFACE, etc.

```
!X = info.bang_x
!Y = info.bang_y
c = Convert_Coord(event.x, event.y, /Device, /To_Data)
x = c[0,0]
y = c[1,0]
```

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
