
Subject: Re: Display widgets' scaling factors
Posted by [steinhh](#) on Thu, 10 Sep 1998 07:00:00 GMT
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David Fanning wrote:

> The proper thing would be to draw into the first window
> and *immediately* save the system variables.

Yep. That's the name of the game. I wrote a couple of routines many years ago (ca 1994!) to deal with this kind of task. They're used like this:

```
plot,something  
p1 = pstore(1) ;; Returns a "plot region ID number"
```

```
plot,somethingelse ;; You may have more than one plot in  
;; a window.
```

```
p2 = pstore(2) ;; Hence the number "2"
```

```
wset,some_other_window  
plot,third_thing  
p3 = pstore(1) ;; First plot this window
```

```
prestore,p1 ;; Restores variables + does wset  
oplot,on_top_of_first_one
```

```
prestore,p3  
oplot,on_top_of_third_plot
```

etc.

To get just these files, look at

<http://sohowww.nascom.nasa.gov/softops/cds/idl/util/display/>

Get files pstore.pro, prestore.pro, pfind.pro and pconvert.pro.

The routines were designed to work with scaled (rebinned), displayed images as well (actually, mostly!), hence the mention in the doc's about data X/Y size etc.

I think these routines are *mostly* independent of other routines in that S/W tree, but you may have to change

```
TRIM() -> STRCOMPRESS(STRING(),??)  
SETWINDOW -> WSET
```

Regards,

Stein Vidar
