
Subject: Re: Altered device coordinates after first call
Posted by [David Fanning](#) on Mon, 16 Oct 2006 16:41:29 GMT
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David Fanning writes:

> Humm. Well, there is a LOT going wrong in this code. :-)

This gets you closer to where you want to be, although you
are still drawing the logo off the page! :-)

Cheers,

David

```
.*****  
,  
PRO TSTDIAGRAM  
; EXAMPLE FOR TESTING THE OUTPUT IN A LETTER-SIZE DEVICE (8.5X11)  
  
; SET THE DEVICE (8.5X11IN PAPER (LANDSCAPE), WITH ONE INCH MARGINS)  
thisDevice = !D.NAME  
;SET_PLOT,'PS'  
;DEVICE,/INCHES,FILENAME='TST.ps',XSIZE=9.0,YSIZE=  
6.5,/LANDSCAPE,XOFFSET=1.0,YOFFSET=10.0  
  
;;; THE REST OF THE CODE IS WHERE I WOULD BE ADDING MY PLOTS  
  
!Y.OMARGIN = [3.5,3.5]  
!P.MULTI=[0,3,2]  
FOR J = 0,5 DO PLOT, FINDGEN(10), noerase=(j EQ 0)  
  
; EDGE COORDINATES  
X0 = 0.0  
X1 = 1.0  
Y0 = 0.0  
Y1 = 1.0  
  
; BOX  
PLOTS,[0,0],[0,1], /NORMAL  
PLOTS,[0,1],[1,1], /NORMAL  
PLOTS,[1,1],[1,0], /NORMAL  
PLOTS,[1,0],[0,0], /NORMAL  
; HEADER AND FOOTER  
PLOTS,[0,1],[0.95,0.95], /NORMAL  
PLOTS,[0,1],[0.05,0.05], /NORMAL  
; HEADER AND FOOTER BINS  
PLOTS,[0.25,0.25],[1.0,0.95], /NORMAL ; SECOND HEADER BIN
```

```
PLOTS,[0.50,0.50],[1.0,0.95], /NORMAL ; THIRD HEADER BIN
PLOTS,[0.75,0.75],[1.0,0.95], /NORMAL ; FOURTH HEADER BIN
PLOTS,[0.25,0.25],[0.0,0.05], /NORMAL ; SECOND FOOTER BIN
PLOTS,[0.50,0.50],[0.0,0.05], /NORMAL ; THIRD FOOTER BIN
PLOTS,[0.75,0.75],[0.0,0.05], /NORMAL ; FOURTH FOOTER BIN
```

```
; NASA LOGO AND "PREPARED BY" STRING
NASA = '!10nasa!N!X'
XYOUTS,0,-0.05,NASA,SIZE=2, /NORMAL
XYOUTS,1,-0.05,'Prepared by J. J. Arrieta-Camacho',ALIGN=1.0, /NORMAL
```

```
; TITLE
XYOUTS,0.5,1.025,'December 18, 2018',ALIGN=0.5,SIZE=2.5, /NORMAL
```

```
; EARTH, MOON, AND OTHER SYMBOLS
EARTH = '!20S!N!X'
MOON = '!20V!N!X'
EQUINOX = '!20x!N!X'
DELTA = '!4D!N!X'
RAAN = '!4X!N!X'
TRAN = '!4x!N!X'
```

```
; DIRECTION OF MANEUVER (EARTH-MOON OR MOON-EARTH) PLACED IN THE FIRST
; HEADER BIN
STR = 'Maneuver: '+EARTH+ ' - '+MOON
XYOUTS,(0.25-0.0)/2.0,0.965,STR,ALIGN=0.5,CHARSIZE=1.5, /NORMAL
```

```
; TYPE OF MANEUVER
STR = 'Ballistic (TLI)'
XYOUTS,0.25+(0.5-0.25)/2.0,0.965,STR,ALIGN=0.5,CHARSIZE=1.5, /NORMAL
```

```
; RADIUS OF EARTH PARKING ORBIT
STR = '!SH!D'+EARTH+'!N'+ '=' + '200 km'
XYOUTS,0.50+(0.75-0.50)/2.0,0.965,STR,ALIGN=0.5,CHARSIZE=1.5 , /NORMAL
```

```
; RADIUS OF MOON TARGET ORBIT (PERIAPSIS)
STR = '!SH!D'+MOON+'!N'+ '=' + '200 km'
XYOUTS,0.75+(1.05-0.75)/2.0,0.965,STR,ALIGN=0.5,CHARSIZE=1.5 , /NORMAL
```

```
; COORDINATE SYSTEM
STR = 'TEME J2000'
XYOUTS,0.0+(0.25-0.00)/2.0,0.015,STR,ALIGN=0.5,CHARSIZE=1.5, /NORMAL
```

```
; RIGHT ASCENSION OF THE ASCENDING NODE (TRANSFER ORBIT)
STR = RAAN + '=' + '237.45 deg'
```

```
XYOUTS,0.25+(0.50-0.25)/2.0,0.015,STR,ALIGN=0.5,CHARSIZE=1.5 , /NORMAL
```

```
; TRANSFER TIME
```

```
STR = 'TLC '+'='+'72.012 h'
```

```
XYOUTS,0.50+(0.75-0.50)/2.0,0.015,STR,ALIGN=0.5,CHARSIZE=1.5 , /NORMAL
```

```
; DELTA-V
```

```
STR = DELTA+'V'+'='+'3.4526 km/s'
```

```
XYOUTS,0.75+(1.00-0.75)/2.0,0.015,STR,ALIGN=0.5,CHARSIZE=1.5 , /NORMAL
```

```
;DEVICE,/CLOSE
```

```
SET_PLOT,thisDevice
```

```
!P.MULTI=0
```

```
END
```

```
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```

David Fanning, Ph.D.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
