
Subject: Re: plotting free form ascii data

Posted by [david\[2\]](#) on Wed, 04 Jul 2001 03:25:32 GMT

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Patrick writes:

```
> sorry for the brevity on the last post. What I have currently is:
> pro plotinteractive_doplot, pstate
> plot, (*pstate).profile_data, LINESTYLE = (*pstate).linestyle
> end
>
> pro plotinteractive_read, event
> widget_control, event.top, GET_UVALUE = pstate
> ; read in the data for the 1-D plot from a free-form ascii
> ; matrix.
>
> profile_data = read_ascii(test,
> template=ascii_template(test,BROWSE_LINES=4241), $
>   DATA_START=13)
>
> ; call the wavelet toolkit:
> plotinteractive_wvtoolkit, pstate
>
> end
>
> ;pro plotinteractive_draw, event
>
> ;widget_control, event.top, GET_UVALUE = pstate
> ; check for motion events.
> ;if (event.type eq 2) then begin
>   ; convert the coordinates from device to data
>   ; datac = convert_coord(event.x, event.y, /DEVICE, /TO_DATA)
>   ; statusstr = strtrim(datac[0], 2) + ';' + strtrim(datac[1],2)
>   ; widget_control, (*pstate).status, SET_VALUE = statusstr
> ;endif
>
> ;end
>
>
> pro plotinteractive_quit, event
> widget_control, event.top, GET_UVALUE = pstate
> ; kill the widget.
> ptr_free, pstate
> widget_control, event.top, /DESTROY
>
> end
>
> pro plotinteractive_wvtoolkit, event
```

```

> ;widget_control, event.top, GET_UVALUE = pState
> WV_APPLET, ARRAY=profile_data, GROUP_LEADER=winID
>
> ; call the do routine to replot.
> plotinteractive_doplot, pstate
>
> end
>
> --the program proceeds until it gets to pro plotinteractive_wvtoolkit
> then stops. Giving the error:
> % XMANAGER: Caught unexpected error from client application. Message
> follows...
> % Attempt to call undefined procedure/function: 'WV_APPLET'.
> % Execution halted at: PLOTINTERACTIVE_WVTOOLKIT 42
> /home/swifs/training/idlinterm/interplot4.pro
> %          PLOTINTERACTIVE_READ 14
> /home/swifs/training/idlinterm/interplot4.pro
> %          XMANAGER_EVLOOP_STANDARD 478
> /auto/soft/idl/idl_5.4/lib/xmanager.pro
> %          XMANAGER 708
> /auto/soft/idl/idl_5.4/lib/xmanager.pro
> %          PLOTINTERACTIVE 101
> /home/swifs/training/idlinterm/interplot4.pro
> %          $MAIN$
>
> What is the correct way to call wv_applet?

```

I don't know how WV_APPLET should be called.
I've never heard of it. Is this an IDL program in your path?

But I thought the original problem was that
READ_ASCII didn't like the filename. I can well
believe this, since in the example:

```

> profile_data = read_ascii(test, $
> template=ascii_template(test,BROWSE_LINES=4241), $
> DATA_START=13)

```

the variable "test" is nowhere defined in this
procedure. This should be the name of a data file,
for example:

```
test = 'mydata.dat'
```

I'd be saving up for a good book on widget
programming, too. I'm not sure the example
you are following is going to get you too far. :-)

Cheers,

David

--

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

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