

---

Subject: Re: Help !

Posted by [Ivan Zimine](#) on Thu, 01 Apr 1999 08:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

VU KHAC Tri wrote:

```
>
> Hi folks,
>
> I write a procedure which reads an image when a button pressed.
>
> pro BTLoad_Event, event
>     WIDGET_CONTROL, event.id, GET_UVALUE = info
>     fname = DIALOG_PICKFILE(FILE = info.filename, /READ, FILTER = '*.hdr',
> $
>         /MUST_EXIST, /FIX_FILTER, PATH = path, /NOCONFIRM)
>     IF fname NE "" THEN BEGIN, info.image
>         ;~~~~~
>     ENDIF
> end
>
> pro Read_Analyze, File, Image
>     ;it reads some data from the file and modifies some fields in Image
> end;
>
> I see that in the Read_Analyze, data is read correctly, but in
> BTLoad_Event, info.image is not modified. Anyone can tell me why ?
>
> Best regards,
> Tri.
```

Since, info.image is a structure de-reference it is passed to Read\_Analyze by value and not by reference (IDL Programming Techniques p.207 :-)) which means that when you exit from Read\_Analyze, info.image is not changed.

You can do the following:

```
IF fname NE "" THEN BEGIN
    Read_Analyze, fname, tmp
    info.image=tmp
endif
WIDGET_CONTROL, event.top, SET_UVALUE=info
```

but i think that Read\_Analyze would work better if it was a function,  
then you could do  
info.image=Read\_Analyze(fname)

Also look at pointers to pass image data between event handlers...

cheers

--

Ivan Zimine

Dpt. of Radiology (MRI), Geneva University Hospitals

email: [ivan.zimine@physics.unige.ch](mailto:ivan.zimine@physics.unige.ch)

tel. : (+41 22) 372 70 70

---