Subject: Re: widget event structure doesn't transfer
Posted by David Fanning on Tue, 14 Aug 2012 13:22:29 GMT

Kat writes:

> When I try to call my userROI data in widget 1, I get:
> % WIDGET_CONTROL: Invalid widget identifier: 143.
>
>
> Do you have any thoughts on this? Where did I go wrong?

Well, it appears you have gone wrong almost from the get-go. :-)

Mostly what I think you need to know is that IDL doesn't
suspend it's rules about local variables being protected
inside of procedures and functions just because you are
writing a widget program. Widget identifiers are local
variables. (This is your immediate problem, but there
are many others, too.)

You might want to read up on widget programming a bit.
IDL Programming Techniques is *very* old and outdated,
but the widget section is still pretty good. If you
could find a copy of that, it would help you a great
deal, I think.

If you want to call a second widget program to provide
information to the first, we call that a "pop-up" or
"dialog" widget. It is written as a function that returns
data (usually in the form of a structure) to the calling
program. You can read more about how to write it here:

   http://www.idlcoyote.com/widget_tips/popup.html

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")