
Subject: problems with passing structures around in gui widgets

Posted by [soule](#) on Wed, 04 Aug 2004 19:59:22 GMT

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I'm writing a GUI to streamline some data reductions and have run into two problems passing information from the main program to the event handler and back:

1) I can't reassign arrays to arrays of different size.

I have created a 1x1 array (as close to empty as IDL could get-- [0]) in the main (base widget) that I want to assign 1024x1024 or 1024x160 values during event handler calls. However, IDL won't write a larger array over a smaller one in this case, even though it will at the command line... ex:

```
a=indgen(1,1,1)
```

```
a=indgen(2,2,2)
```

2) I can only access (& change) the data from the main once and then IDL spews back this message:

```
% Expression must be a structure in this context: INFO.
```

```
% Execution halted at: INTERFACE_EVENT 16
```

```
% WIDGET_PROCESS_EVENTS
```

```
% $MAIN$
```

Which is great, except that info IS a structure that I'm using in the main to contain everything I want to be able to alter during the events and setting it to be the uvalue of the top-level base. So, I can load the data, but not perform any operations on it, because that would require calling a second event. Peachy.

Any ideas as to workarounds?

Thanks,
R Soule
