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Subject: Catching errors with widgets

Posted by [ian](#) on Wed, 07 Apr 1993 23:03:27 GMT

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I a writing some widgets to do some simple things. One widget is for loading bands from a multi-spectral image on disk. This widget gets the parameters from the user and then calls another routine I wrote to extract the bands from the file.

Fine.

But, if the user overestimates the size of the image, then my extraction routine will hit end of file and die. The error will bubble up until I blast out of my widgets and get the IDL> prompt again.

I read in the manuals that you can get back into the widgets with RETALL and XMANAGER, but I want this to happen automatically. I've fiddled with ON\_ERROR, ON\_IOERROR, RETURN and such, but can't get it to work.

I \*can\* get it to not blast out, but then, when I try to load another image (of the right size), I get the following error message:

```
% COLOR_QUAN: Variable is undefined: <UNDEFINED>.
% Execution halted at ILOAD_EVENT </home/avdev/ian/idlpro/widget/id_load.pro(
  188)> (COLOR_QUAN).
%   Called from XMANAGER </usr/local/idl/lib/widgets/xmanager.pro( 402)>.
%   Called from ID </home/avdev/ian/idlpro/widget/id.pro( 289)>.
%   Called from $MAIN$ .
```

ILOAD\_EVENT and ID are mine. The COLOR\_QUAN is used to display the 24-bit data I'm reading in on the 8-bit display. Obviously, I can't tell which variable it's choking on.

Finally, I can't tailor my extraction routine too much, as it is a general utility that people use often.

Any ideas?

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| -Ian Novack (Particle Man)-----ian@gomez.jpl.nasa.gov-|
| "I am trying to fill a silent moment with          Jet Propulsion Lab   |
| non-relevant conversation." -- Lt. Cmdr. Data    Pasadena, CA          |
| -Disclaimer: Had this been an actual opinion, it would still be mine.-----|
```