
Subject: iTools questions

Posted by [rivers](#) on Thu, 28 Aug 2003 22:05:59 GMT

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I've started to work with the iTools, and they look great. I have a question I wonder if anyone can help me with.

If I create an instance of an iTool, for example, `ilimage`, how can I force the iTool to display a new data set from my application (or from the IDL command line for that matter)? For example:

```
IDL> a = dist(100)
IDL> ilimage, a, ident=id
IDL> b = dist(256)
```

Now I would like to display "b" in my `ilimage`. I don't want to use the File/Import/IDL Variable, I want to be able to do this via an IDL procedure or function call. If I have the object reference for the `oParmSet` that `ilimage` creates as IDL variable I can do it easily.

I have tested this by creating a modified version of `ilimage` that passes back `oParmSet` as a keyword parameter, and it works:

```
pro iimage, parm1, parm2, parm3, parm4, $
  IMAGE_LOCATION=imageLocation, $
  IMAGE_DIMENSIONS=imageDimensions, $
  RED_CHANNEL=redChannel, $
  GREEN_CHANNEL=greenChannel, $
  BLUE_CHANNEL=blueChannel, $
  ALPHA_CHANNEL=alphaChannel, $
  RGB_TABLE=rgbTable, $
  IDENTIFIER=IDENTIFIER, $
  oParmSet = oParmSet, $
  _EXTRA=_extra
```

```
IDL> a = dist(100)
IDL> ilimage, a, oParmSet=op, ident=id
IDL> b = dist(256)
IDL> data = op->Get(position=0)
IDL> r=data->setData(b)
```

However, I don't want to have to modify the iTools to pass back `oParmSet`. I think there must be a way to get this object reference from the identifier "id" that is passed back from the normal version of `ilimage`. Or alternatively set the data with the `SetPropertyByIdentifier` on some object. Can anyone tell me how to do this? I've studied the manuals and can't figure it out.

Cheers,

