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Subject: Adding a plot to an itool Image

Posted by [mvukovic](#) on Thu, 05 Feb 2004 21:22:09 GMT

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A few days ago, I faced a problem of adding a plot to an itool Image. Not having found anything on the group, after considerable probing, I managed to do it. Here is the routine, hoping that someone may improve upon it.

Cheers,

Mirko

PS. I'm getting to really like these iTools.

```
pro AddPlot2IImage, vX, vY
```

```
;; Add a plot to a currently active iTool image.
```

```
; This first part was gleaned from iPlot startup.
```

```
;; Pack data in IDLVector objects. Offset for pixel size (not sure if it
```

```
;; works.
```

```
oDataX = obj_new('idlitDataIDLVector', vX+0.5, NAME = 'X')
```

```
oDataY = obj_new('idlitDataIDLVector', vY+0.5, NAME = 'Y')
```

```
;; This data is stored in a ParameterSet object
```

```
oParmSet = OBJ_NEW('IDLitParameterSet', $
```

```
    NAME = 'Plot parameters', $
```

```
    ICON = 'plot', $
```

```
    DESCRIPTION = 'Plot parameters')
```

```
oParmSet -> add, oDataX, PARAMETER_NAME = 'X'
```

```
oParmSet -> add, oDataY, PARAMETER_NAME = 'Y'
```

```
; I got this from the iTool Developers Guide, p.99
```

```
;; The ParameterSet object is passed to the VisPlot.
```

```
oPlot = OBJ_NEW('IDLitVisPlot', /REGISTER_PROPERTIES)
```

```
oPlot -> OnDataChangeUpdate, oParmSet, '<Parameter Set>'
```

```
;; Finally, add the VisPlot to the ilmage object. Also from
```

```
;; Developers Guide, p. 99
```

```
oSys = _IDLitSys_GetSystem()
```

```
oTool = oSys -> _GetCurrentTool()
```

```
oTool -> Add, oPlot, /AGGREGATE
```

```
return
```

```
end
```

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