
Subject: Re: List of Points --> ROI via IDLVECTOR data type for iimage itool
Posted by [David Alexander](#) on Thu, 13 Oct 2005 20:15:29 GMT
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Edward,

You want to display the pixels from the image after you run your sampling routine, right?

After your sampling routine, do you end up with 3 vectors (x, y, pixels)? If so you could either pass them directly into iimage (iimage can take 3 vectors as input, but it will force you to grid the data), or you can generate an image array with an alpha channel (RGBA) based on your pixel data, and set the Alpha channel value for all the unused pixels to 0. So, something like this:

pro test

```
imagePixels = randomu(s,1000)
```

```
x = bytscl(randomu(s,1000))
```

```
y = bytscl(randomu(s,1000))
```

```
newImage=fltarr(max(x)+1,max(y)+1)
```

```
newAlpha=fltarr(max(x)+1,max(y)+1)
```

```
newImage[x,y]=imagePixels
```

```
newAlpha[x,y]=255
```

```
newImage=[[[newImage]],[[newImage]],[[newImage]],[[newAlpha] ]]
```

```
iimage,newImage
```

```
end
```

My sample data is not RGB, so I triplicated the newImage variable. If you already have RGB pixels, you won't need to do that.

Dave
