
Subject: drawing a ROI on a zoomed image

Posted by [jesscobrien](#) on Thu, 31 Aug 2006 12:15:14 GMT

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Hi,

I regularly use XROI to define a region on an image, which I later use to mask it, as follows

```
.....  
; ; ; ; ; ; ;  
image_scl = BYTSCL(image)  
XROI, image_scl, REGIONS_OUT = ROIout, $  
    TITLE=title, $  
    ROI_GEOMETRY = regGeom, $  
    STATISTICS = regStats, $  
/BLOCK
```

```
maskResult = ROIout -> ComputeMask(DIMENSIONS = dims)  
mask = (maskResult GT 0)  
masked_image = image * mask
```

```
.....  
; ; ; ; ; ; ;
```

As the image I wish to mask is quite small, is it possible to define the ROI on a enlarged image using rebin, and then shrink the ROI afterwards before applying to the image. Or is it easier to just apply it to the enlarged image and then shrink the masked image back to the original size.

Also, I often use the same colour table, XROI doesn't use the loaded colour table. Is it possible to adapt XROI such that the colour table can be set? Going into Edit->Colour Table each time, can be tiresome when defining a new region on each plane of a cube.

Thanks,
Jess
