Subject: Re: Stupid color question Posted by mmiller3 on Wed, 07 Apr 2004 16:19:38 GMT

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>>>> "Bruce" == Bruce Bowler <bbowler@bigelow.org> writes:

- > It's time for another stupid color question... I have an
- > 2d array of data that I want to display. Currently I do it
- > with the following...
- > tv, bytscl(glocal, min = 0, max = maxval)
- > There are 2 allowable negative values, that are, as a
- > result of the bytscl set to "0" in the display. What I'd
- > like to do is have those 2 negative values displayed with
- > the 2 lowest colors in the color table and then scale the
- > values from 0 to maxval across the remaining colors. I'm
- > sure I could write my own bytscl-like routine to do that,
- > but if it's already been done or is available in 5.6
- > already...

Suppose you wanted the two negative values to show up as blue and red. Then you could do the following

loact, 0; load color table here

red = 255 tvlct, 200, 0, 0, red

blue = 254 tvlct, 72, 61, 180, blue

topClr = 253

img = bytscl(glocal, min = 0, max = maxval, top=topClr)
img[where(glocal eq one_negative_value)] = red
img[where(glocal eq other_negative_value)] = blue
tv, img

If you just want the bottom two colors in the color table, use this instead:

img[where(glocal eq one_negative_value)] = 0
img[where(glocal eq other_negative_value)] = 1
tv, img

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