
Subject: Re: Legend creation on an image
Posted by [David Fanning](#) on Fri, 02 Jun 2006 22:14:48 GMT
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elsueniero@gmail.com writes:

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> I am trying to create a legend similar to the ones shown here:
> http://edcdaac.usgs.gov/modis/myd13a1v4.asp
>
> I already have my two vectors, one with the limits, and the other with
> the colors:
>
> ndvi_color_map_index = [-1.0,0.0,0.028571429,0.057142857,0.085714286, $
>   0.11428571,0.14285714,0.17142857,0.2, $
>   0.25,0.3,0.35,0.40,0.46666667,0.53333333,0.6,0.7,0.8,0.9]
>
> ndvi_color_map_colors = [[0,0,0],[0,24,104],[254,254,254], $
>   [205,193,169],[199,186,169],[182,148,111],[170,129,75],[143, 115,65], $
>   [128,105,35],[148,183,19],[116,171,5],[102,162,2],[81,150,0], $
>   [62,129,0],[24,117,3],[1,92,13],[1,71,0],[5,56,5],[0,40,3],[ 2,16,0]]
>
> * note that n_elements(ndvi_color_map_index) + 1 ==
> n_elements(ndvi_color_map_colors)
> thats because all info bellow -1.0 should be black ([0,0,0]) and the
> same with all the info above 0.9
>
> I have both the floating point image in "NDVIfloat" and the 3-band
> color image in "NDVIcolor"
>
> Now what I need to do is to put on the lower-rigth 600x300 pixels of
> the NDVIcolor image a legend the shown. (the image is 1300x1900 and I
> now that those 600x300 is background)
>
> I know that with some for's I can put the colors bins, but how can I
> put text on an array from IDL?? Is that possible??
```

A colorbar with similar characteristics is described in this article:

http://www.dfanning.com/map_tips/precipmap.html

Cheers,

David

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Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
