
Subject: Re: Legend creation on an image
Posted by [elsueniero](#) on Fri, 02 Jun 2006 22:31:36 GMT
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Thank you David,

I downloaded and tried it, and it work great.

But how can I put it inside the array of the image raw data?
After this, what I do is write the array into a geotiff. How can I add
this on a certain location it?

David Fanning wrote:

> elsueniero@gmail.com writes:

>

>> 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
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
