Subject: Re: colorbar to display the 0 in the middle
Posted by David Fanning on Fri, 10 Feb 2006 04:01:59 GMT
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vigeesh@gmail.com writes:

> I'm working on a simulation stuff, computationally speaking, its
> nothing but generating images for each instant of time.:-)
> Each image is accompanied by a colorbar(I use D.Fanning's colorbar
> program).
>
> Now my problem is......
> At each instant of time, the array that has to be displayed has a
> negative minimum value and a positive maximum value. I want my colorbar
> to display the 0 in the middle of the bar for all the time instant and
> scale the rest according to the min and max value.
> There could be a simple solution for this, please help.

How about this:

    minVal = -30
    maxVal = 30
    Colorbar, Range=[minVal, maxVal]

Cheers,

David

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

Subject: Re: colorbar to display the 0 in the middle
Posted by vigeesh on Fri, 10 Feb 2006 05:51:01 GMT
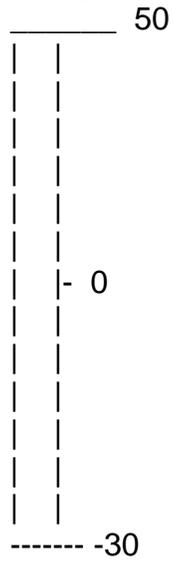View Forum Message <> Reply to Message

David Fanning wrote:

> How about this:
>
>   minVal = -30
>   maxVal = 30
>   Colorbar, Range=[minVal, maxVal]
>

But, I want something like this

minval = -30
maxval = +50

i.e my colorbar should look something like this

```
_____  50
|   |
|   |
|   |
|   |
|   |
|   |
|   |- 0
|   |
|   |
|   |
|   |
|   |
|   |
------- -30
```

:-)

Basically, what I want is that the color for the data value 0 should be
the same for all the output images. That is, if I use a Blue-Red color
table, then the 0 data value should always be green. The main problem
is because the minimum and maximum value keeps on changing for
different arrays. If for the first array the min value is -30 and max
is 50, for the second array it might be -50 and +75, and so on.

Thanks,

Vigeesh.