
Subject: Re: polar contour plot

Posted by [Hassan](#) on Mon, 04 Jan 2010 17:49:07 GMT

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On Dec 30 2009, 2:12 pm, David Fanning <n...@dfanning.com> wrote:

> Hassan writes:

>> I have 3 arrays, a zenith angle array, a azimuth angle array and DN
>> values. each DN is related to specific zenith and azimuth. I need to
>> draw a contour of DNs on polar plot which is a circle as the distance
>> from the center of the circle is zenith and distance from North is
>> azimuth . I assume there should be a .pro file or sth that does this
>> work. I used polar_contour but I think I need to add other commands to
>> get the desired results.

>> any help would be appreciated.

>

> Your assumption that there should be a procedure for this
> is a good one, even if it turns out to be entirely wrong.

> I think thing this is one of those should-be-easy-turns-
> out-to-be-hard situations in IDL. (Normally, things are
> the other way around, thank goodness.)

>

> I would approach this problem by setting up a Lambert
> Equal-Area map projection and drawing my contour plot
> on that, after scaling my data to the appropriate
> lat/lon values. This will mean you will have to do
> your own plot annotation (with PLOTS and XYOUTS,
> typically), but I don't think this will be particularly
> difficult.

>

> Cheers,

>

> David

>

> --

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> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

thanks David for the help. i think i need to work out how i can scale
the zenith and azimuth angles based on lat/long.
