
Subject: Re: Display radar data?

Posted by [Dave\[4\]](#) on Thu, 09 Oct 2008 07:40:20 GMT

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On Oct 8, 10:32 pm, David Fanning <n...@dfanning.com> wrote:

> Dave writes:

>> I have some weather radar data, whose coordinates are distances
>> (kilometers) and angles to the radar station. So how can I convert
>> these local coordinates to longitude/latitude coordinates? Please give
>> any clue.

>

> Set up a map projection of the area of interest with MAP_SET
> or MAP_PROJ_INIT. Then use CV_COORD to convert your data
> from polar coordinates to rectangular coordinates (which
> will be the data or lat/lon coordinates, in this case).

>

> Cheers,

>

> David

>

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

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

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

Fanning, very thanks for your reply. Your answer is simple, but not
suit for my problem.

As Ciao says, high-precision is very important for radar data. Many
things should be considered, such like earth radius,
altitude of radar station and so on. Things going complex.

I find SPRINT code at <http://www.mmm.ucar.edu/pdas/pdas.html>, which is
a program to interpolate radar measurements taken at spherical
coordinates (range, azimuth, and elevation) to regularly-spaced
Cartesian or longitude-latitude grids. May be I should try it. Thanks
again.

DAVE
