

---

Subject: Re: Convert pixel coordinates to LAT/LON  
Posted by [David Fanning](#) on Fri, 25 Jan 2008 14:10:26 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Gary writes:

> Thanks for the guidance. Is there a projection that can be used for a  
> radar image? Some sort of projection that lays out a radial pattern  
> from a given lat/lon? I think that's what I need.

I think what I would do is use a UTM map projection.  
It is simple enough to find out what zone your  
radar is in. (Just use the longitude to determine  
zone.) Put the center of the UTM projection at 0,0,  
which would then correspond to your center lat/lon.  
The extent of the UTM would be the range of the radar.  
The resolution you can determine from image actual image.  
The resolution/range = scale.

Once all of that is known, you could make arrays of  
latitude and longitude for all your pixels, as in this  
article:

[http://www.dfanning.com/map\\_tips/pixel\\_to\\_ll.html](http://www.dfanning.com/map_tips/pixel_to_ll.html)

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.")

---