
Subject: Re: google earth projections

Posted by [R.G. Stockwell](#) on Tue, 04 Nov 2008 00:42:01 GMT

[View Forum Message](#) <> [Reply to Message](#)

<liamgumley@gmail.com> wrote in message

news:2f8cf74c-b86f-4ece-bb13-694bf3badde3@n1g2000prb.googlegr oups.com...

On Nov 1, 2:20 pm, "R.G. Stockwell" <notha...@noemail.com> wrote:

- > Does anyone know the IDL map projection to use to make a
 - > ground overlay in a kml file (to be viewed by a geobrowser such
 - > as google earth?)
 - >
 - > I've googled and have seen many different things stated,
 - > so I am not sure if my use of cylindrical projection is right.
 - >
 - > My figures are off, in that my continents do not match earth's continents
 - > I am initially making a full globe image (-90 to 90 lat , -180 to 180
 - > lon)
 - > similar to the big blue marble example.
 - >
 - > http://www.gearthblog.com/blog/archives/2006/11/blue_marble_time_ani...
 - >
 - > but my image of the global map, does not reproduce the continents like
 - > in those
 - > [images.http://mw1.google.com/mw-earth-vectordb/kml-samples/bmng12/files/BMNG...](http://mw1.google.com/mw-earth-vectordb/kml-samples/bmng12/files/BMNG...)
 - >
 - > cheers,
 - > bob
- > This is the projection used by Google Earth overlays:
- > http://en.wikipedia.org/wiki/Plate_carre_projection

Thanks Liam,

one problem is in converting from the uv coords in the plot window,

(which range from -2×10^7 to 2×10^7 , and -1×10^7 to 1×10^7).

to my data coordinates that my data is in (drawing polygons in lat and lon).

Where do i get the info for that coordinate transformation?

I can overlay the continents nicely, and grid and label it, perhaps I just have to dig into those routines to see how they do it.

Cheers,

bob
