
Subject: Re: Overlay images from WMS servers (web mapping servers) on map projections

Posted by [Jan Kristian Jensen](#) on Wed, 08 Feb 2006 19:55:30 GMT

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David Fanning wrote:

> Jan Kristian Jensen writes:

>> map_set, 0, 0, /cylindrical, xmargin = 0, ymargin = 0, limit = limit

>

>

> Whenever I've had to solve this problem, I use POSITION-[0,0,1,1]

> instead if the [XY]Margin keywords. I'd try that and see

> if it helps.

Nope - same problem as before. At least the /noborder, x/ymargin and position seems to behave consistently (but maybe not the way I hope for)

Also, and probably more importantly, I would

> make sure your latcenter and loncenter are in the center

> of you limits. They aren't, currently.

I've played around with different values for p0Lat, p0Lon. Changing them has no visible effect whatsoever - at least not at this scale. The mismatch looks about the same.

From this group I understand that setting p0Lat, p0lon correctly often is crucial, probably because many projection demands that you specify some point of origin (central meridian or similar) for your map. This particular projection demands that the central meridian is zero, hence p0lat = 0.

The EPSG:4326 is probably the simplest projection available, and has many names: Equidistant lat/lon grid, equirectangular, rectangular projection, plane chart, plate carre, unprojected map, lat/lon grid... More formally, epsg:4326 is a special case of a cylindrical projection, defined by that the central meridian is zero.
<http://mathworld.wolfram.com/EquirectangularProjection.html>

According to the docs, this is the `_/default\*` projection used by `map_set` - and `p0Lat`, `p0lon = 0` is the default value for these optional parameters.

Jan

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Jan Kristian Jensen

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