

QGIS Application - Bug report #12371

projection problems

2015-03-13 07:04 PM - Kun Zhang

Status: Closed	
Priority: Normal	
Assignee:	
Category: Projection Support	
Affected QGIS version: 2.8.1	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: invalid
Crashes QGIS or corrupts data: No	Copied to github as #: 20546
Description	
<p>hello, I have used QGIS for several years. The software is great.</p> <p>But I am not very satisfied with map projection, especially for some classical projection.</p> <p>When I downloaded for example 'Admin 0 – Countries' data from Natural Earth webpage and do some projection, some issues arouse.</p> <p>Mercator projection for example, in QGIS 1.8.0, Antarctica disappeared; in QGIS 2.2.0 and QGIS 2.6.1, the bottom of Antarctica converge to a point located on the top-left of the screen.</p> <p>For azimuthal equidistant projection, the pole projection is OK in QGIS 2.6.1, but when I changed the origin to 'lat_0=31, lon_0=35' for example, many polygons overlap.</p> <p>Hope the projection functionality would be robust in new versions.</p>	

History

#1 - 2015-03-16 11:14 AM - Giovanni Manghi

- Category set to Projection Support
- Status changed from Open to Feedback

Hi,

could you provide a few practical examples attaching sample projects (with sample data) or screenshots/screecasts?

thanks.

#2 - 2015-03-17 12:31 AM - Kun Zhang

- File Mercator_EPSG_3857.jpg added

#3 - 2015-03-17 12:36 AM - Kun Zhang

- File aedq.jpg added

Hi, please look at the picture attached. One is in Mercator projection (EPSG:3857).

Another is in azimuthal equidistant projection, the proj4 string is :

```
+proj=aeqd +lat_0=31 +lon_0=35 +x_0=0 +y_0=0 +datum=WGS84 +units=m +no_defs
```

the world file is 'Admin 0 – Countries' from Natural Earth. Both projection are done in QGIS 2.6.1

thanks for attention.

#4 - 2015-11-05 06:06 AM - Raymond Nijssen

- File *aedq.png* added

You might be using the wrong projection parameters. When I try this one it looks as I expected:

```
+proj=aeqd +lat_0=31 +lon_0=35 +x_0=0 +y_0=0 +a=6371000 +b=6371000 +units=m +no_defs
```

Please try again and let us know if it works. Thanks!

According to epsg 3857, this projection only covers latitudes up to about 85 degrees north and south. I guess your data is out of these bounds and not truncated the proper way. I'm using an other world data set and it looks quite ok on my screen.

#5 - 2015-12-19 10:09 AM - Giovanni Manghi

- Resolution set to *invalid*

- Status changed from *Feedback* to *Closed*

closing for lack of feedback.

Files

Mercator_EPSG_3857.jpg	86.8 KB	2015-03-16	Kun Zhang
aedq.jpg	141 KB	2015-03-16	Kun Zhang
aedq.png	116 KB	2015-11-05	Raymond Nijssen