

QGIS Application - Bug report #523

Georeference tool

2007-01-08 10:38 AM - doug_newcomb-fws-gov -

| | |
|--|-------------------------------------|
| Status: Closed | |
| Priority: Low | |
| Assignee: Magnus Homann | |
| Category: Projection Support | |
| Affected QGIS version: | Regression?: No |
| Operating System: Windows | Easy fix?: No |
| Pull Request or Patch supplied: | Resolution: fixed |
| Crashes QGIS or corrupts data: | Copied to github as #: 10582 |

Description

Tried to georeference a jpeg image to EPSG 32119 projection. The output jgw file looked like this:

24.5335

0

0

-24.5335

nan

26052543469100656972793667356933792334551124445385671982001717765625696361250852

63230640588410366355387916037395507101170807331933447168232048026256148650314170

68255704400035347073092961720361697046386861456890565381992582038014706635298444

962359964072945413053455317431577487218906213975588864.000000

The qgis - generated points file :

mapX mapY pixelX pixelY

551629.000000 119426.000000 1042.95 -1942.69

558297.000000 128803.000000 1320.27 -1560.28

561736.000000 142243.000000 1460.38 -1023.16

554963.000000 154641.000000 1185.99 -519.606

532042.000000 159226.000000 234.348 -329.862

539335.000000 147557.000000 536.478 -807.141

529333.000000 124635.000000 132.178 -1723.75

I converted the above y pixel coordinates from negative to positive and used the altered coordinates as gcp points in gdalwarp and got the following correct world file:

24.4658442217

0.0000000000

0.0000000000

-24.4658442217

526378.6525011690

167601.3482739714

My simplistic assumption is that the qgis georeferencer is passing negative y coordinates for a jpeg file when they should be positive instead.

History

#1 - 2007-01-27 11:18 AM - Magnus Homann

- Status changed from Open to In Progress

Is it possible to supply the image?

#2 - 2007-01-29 07:07 AM - doug_newcomb-fws-gov -

Tried to add the original jpeg file, but was too large at 3.2 MB

#3 - 2007-01-31 10:24 AM - Magnus Homann

We had some issues where if projection was turned on when you entered georeference tools, it wouldn't work. have you tried turning off projection?

Also, if you have the possibility try downloading the latest from SVN and try it there. I have done some work with it.

If this does/does not work, let me know. There is nothnig bad with negative coordinates as I see it (0,0) is upper left pixel according to world file specification. What happens if you use gdalwarp with the negative coordinates?

#4 - 2007-01-31 11:08 AM - doug_newcomb-fws-gov -

I can go back and check, but I as I recall using negative line numbers with GCPs caused the image to flip upside down. (I had tried it with a tiff version of the file as well)

the world file associated had the following contents:

24.6106913661

0.0000000000

0.0000000000

-24.6106913661

526364.0265134282

221911.9794584604

With a negative y pixel size

I thought image specs in general had the 0,0 in the upper left hand corner and positive x going right and positive y going down?

#5 - 2007-01-31 01:30 PM - Magnus Homann

The points in the .points file are in an internal format, and we do not use GDAL to generate world file. Have you tried to turn off projection?

See also #560

#6 - 2007-02-03 01:01 PM - Magnus Homann

- Status changed from *In Progress* to *Closed*

- Resolution set to *fixed*

Fixed in /. Uninitialized variables made win32 behave differently.

#7 - 2007-02-05 04:43 AM - doug_newcomb-fws-gov -

Thanks!

#8 - 2009-08-22 12:51 AM - Anonymous

Milestone Version 0.8.1 deleted

Files

| | | | |
|----------------------------------|-----------|------------|------------------------|
| PE_rockingham_westend.jpg.points | 339 Bytes | 2007-01-29 | doug_newcomb-fws-gov - |
|----------------------------------|-----------|------------|------------------------|