

If you would like to contribute to sectional chart integration to Tacview here is the recipe.
Of course you have to understand that you are using those charts at your own risks.

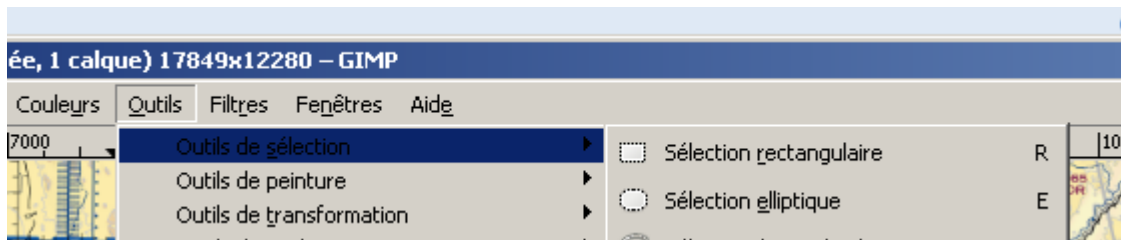
- a) You need a computer with a lot of spare memory (4Gig)
- b) You need to download GIMP (Windows or Linux).
- c) You need to have a hires sectional chart downloaded like those: <http://www.lib.utexas.edu/maps/tpc/>
or those:
https://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/vfr/

Step1 : Open the map using GIMP. Menu are identical regardless of the language.

Step2: In the map locate coordinates like those: 116, 37. We are working with tiles 1 degree by 1 degree.



Step 3: Using rectangular selection, select a rectangular that includes the 4 corners of the tile and 4 squares.

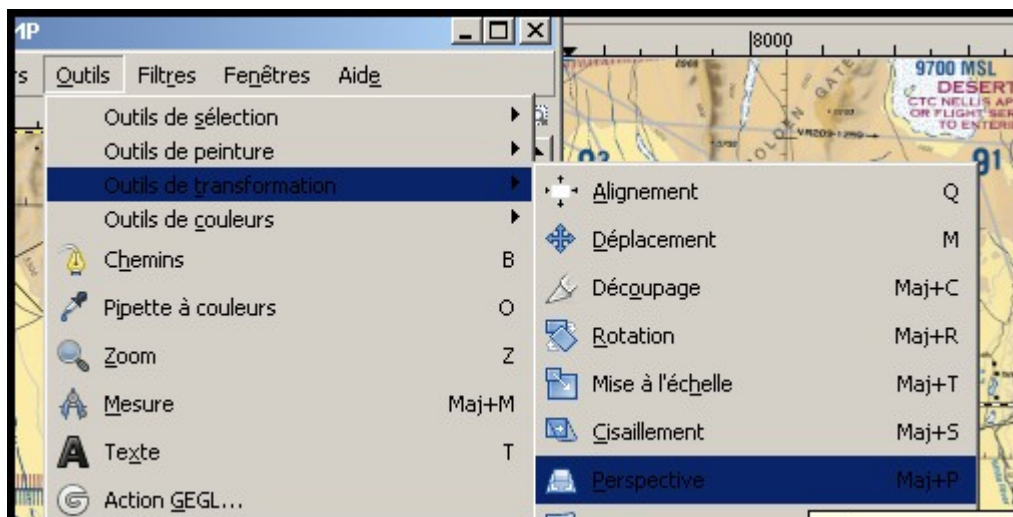
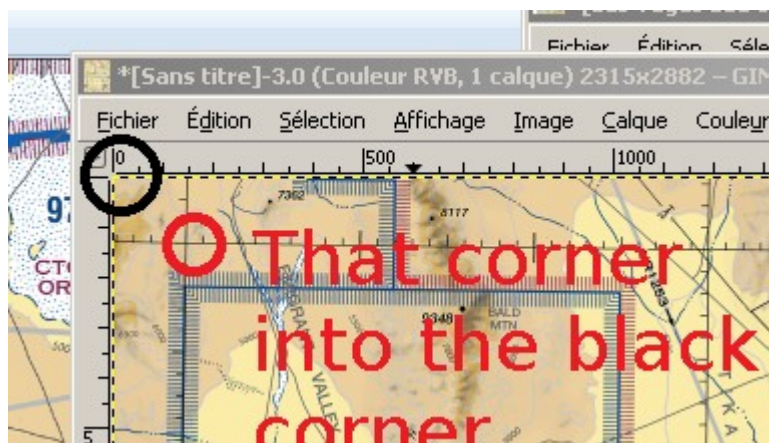


Step 4: Copy into buffer

(CTRL -C)

Step 5: Create a new file (File, create, from clipboard) MAJ CTRL V

Step 6: We need to transform the Lambert conformal conic projection to a "squared" one. For that we are going to use the perspective tool from GIMP. The idea is to move that corner into the "real corner". Click on the point "that corner in red" and drag it to the corner (0,0) "the black one" of the picture.

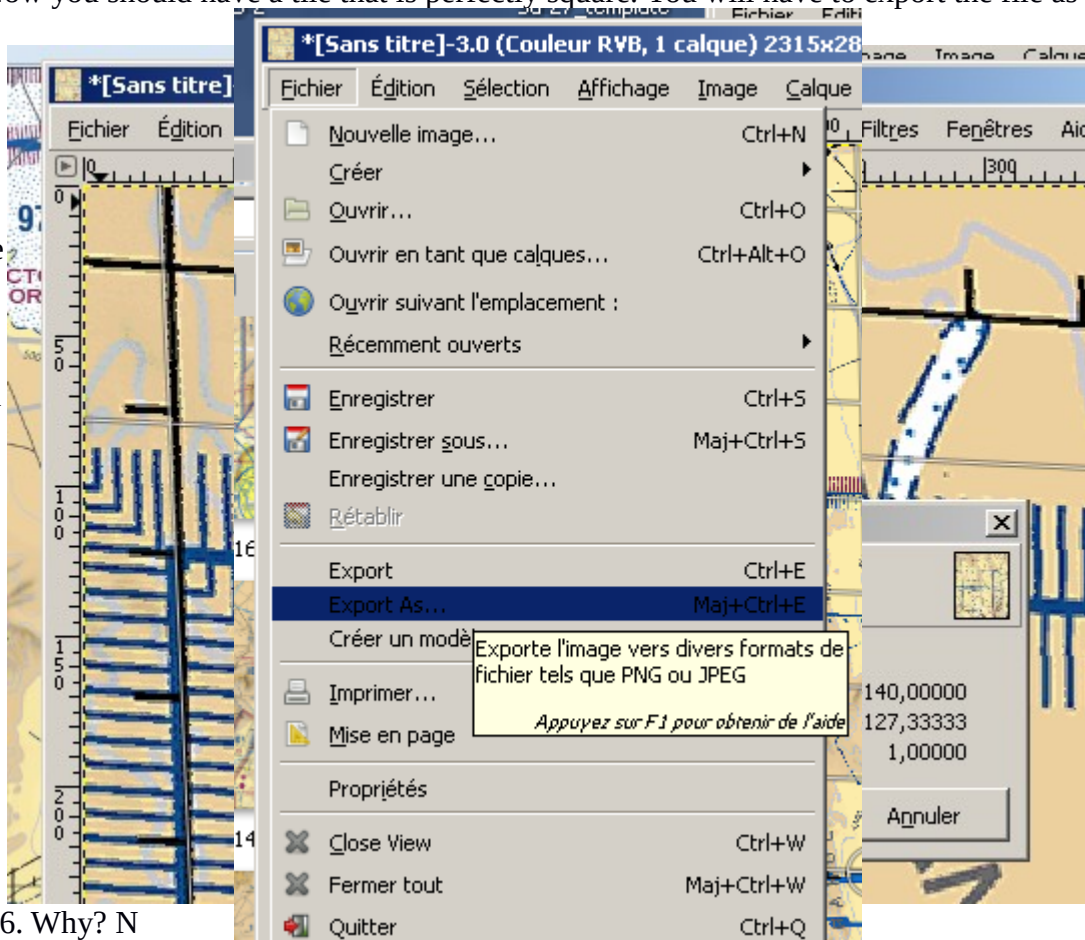


Step 7: using the zoom, make sure that the black lines intersection are right at the 0,0 intersection.

Repeat for all 4 corners. When done click “Transformer”.

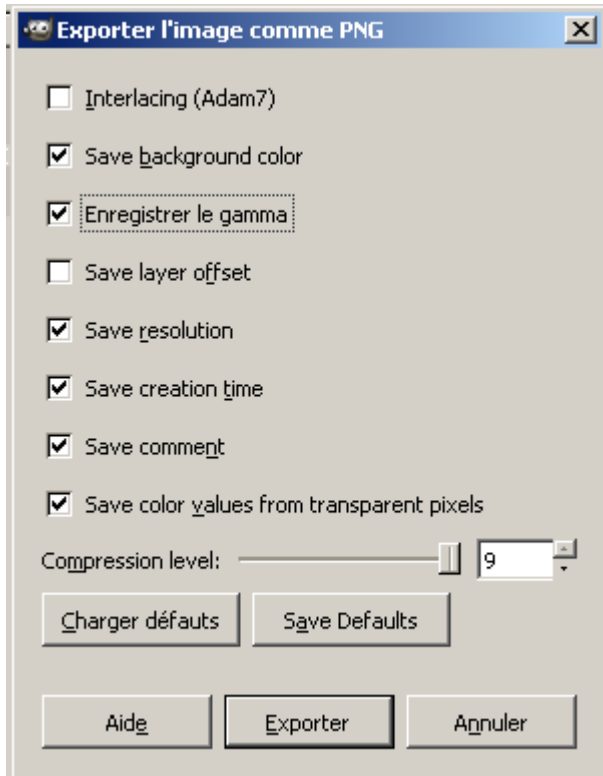
Step 8: Now you should have a tile that is perfectly square. You will have to export the file as png.

Step 9:
Calculate
the name
for the
tile:
Based on
the
picture
above
(see step
2) the
name of
the tile is
going to
be



N36W116. Why? N because nevada is in NORTHERN portion of the globe. 36 because it is 1 less than the value you read on the chart. 116 because it is the value you read on the chart. And W because Nevada is West of Greenwich.

Step10: Export as: Make sure you tick everything like that



Step 11: Repeat for the other tiles.

Step 12: When done copy your tiles into Tacview folder. In Windows 7 open the explorer and type in %APPDATA% and copy your tiles there.

