1. Download DSMs in AOI
2. Merge DSMs and project to pseudomercator
3. Georeference historic topo map
4. Make map and paper shapefiles to get the boundaries of both
5. Use the Vector Difference tool to derive the area of only the map border
6. Make a clipped raster file, using the map shapefile
7. Rasterize (overwrite with fixed value) with the difference shapefile as the input vector, the complete merged DSM as the input raster, and setting “a fixed value to burn” to match the minimum value of the map clipped DSM
8. Use the paper shapefile to clip the resulting DSM
9. In Terminal, run the following command on the DSM to get an rgb output: rio rgbify -b -10000 -i 0.1 chuncheon-dsm-bordered.tif chunchon-rgb.tif
10. Convert this to mbtiles with the following command: rio mbtiles chunchon-rgb.tif chunchon-dsm.mbtiles --format PNG --zoom-levels 0..12 --tile-size 256 --resampling bilinear
11. Convert the mbtiles to pmtiles using the following command: pmtiles convert chunchon-dsm.mbtiles chunchon-dsm.pmtiles
12. Now, convert the georeferenced topo map to mbtiles using the following command: rio mbtiles chunchon-geotiff.tif chunchon-geotiff.mbtiles --format PNG --zoom-levels 0..12 --tile-size 256
13. Convert these mbtiles to pmtiles with the following: pmtiles convert chunchon-geotiff.mbtiles chunchon-geotiff.pmtiles