

DEM Data Source

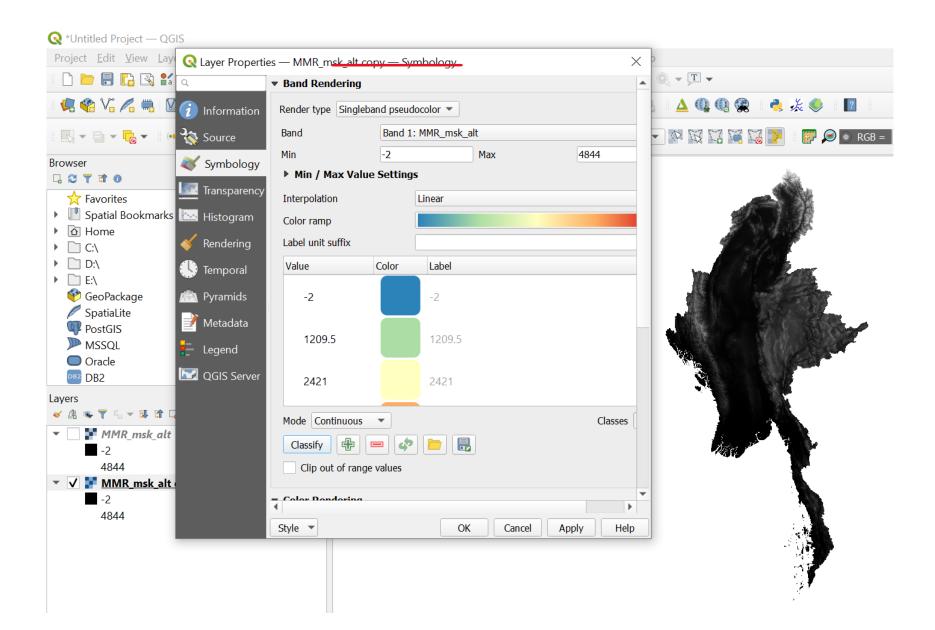
• https://www.diva-gis.org/gdata

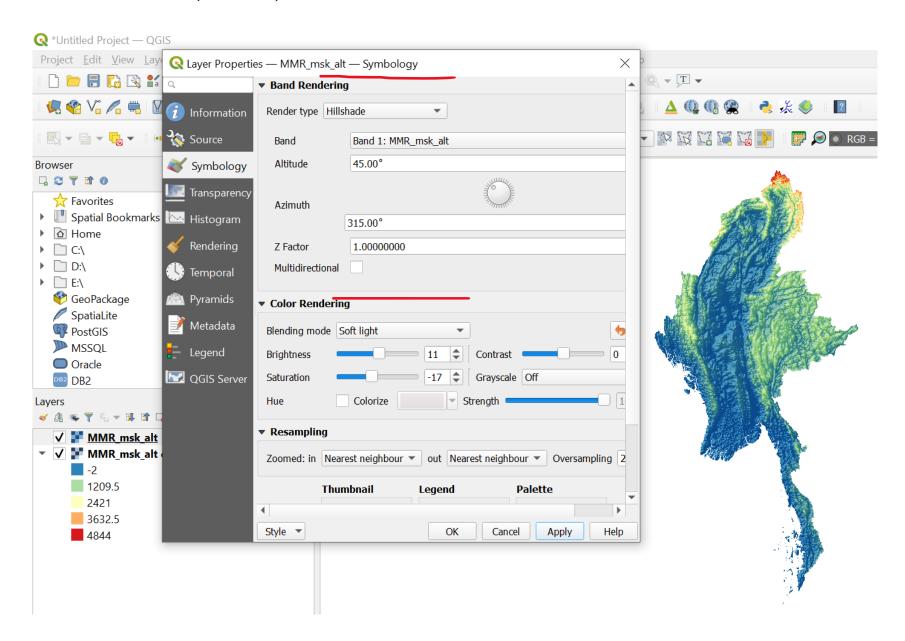
Software

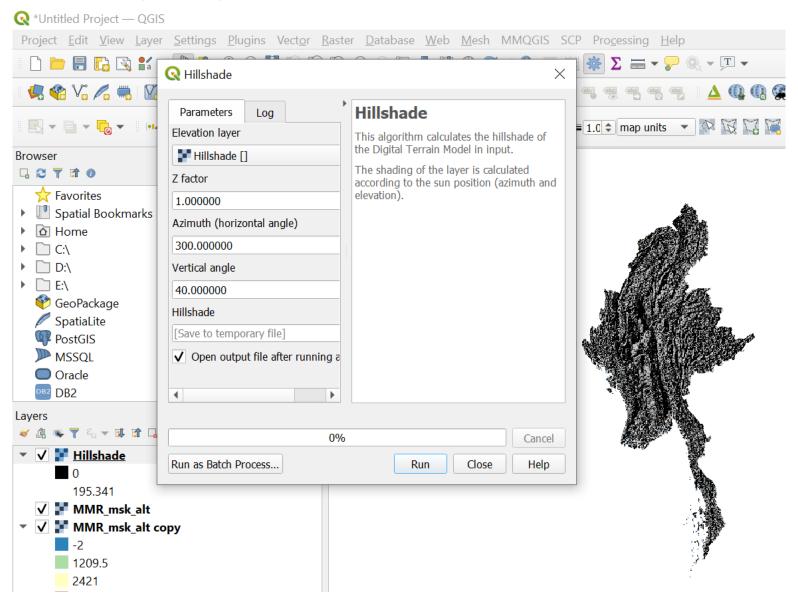
• QGIS 3.14 (Plugins: qgis2threejs)

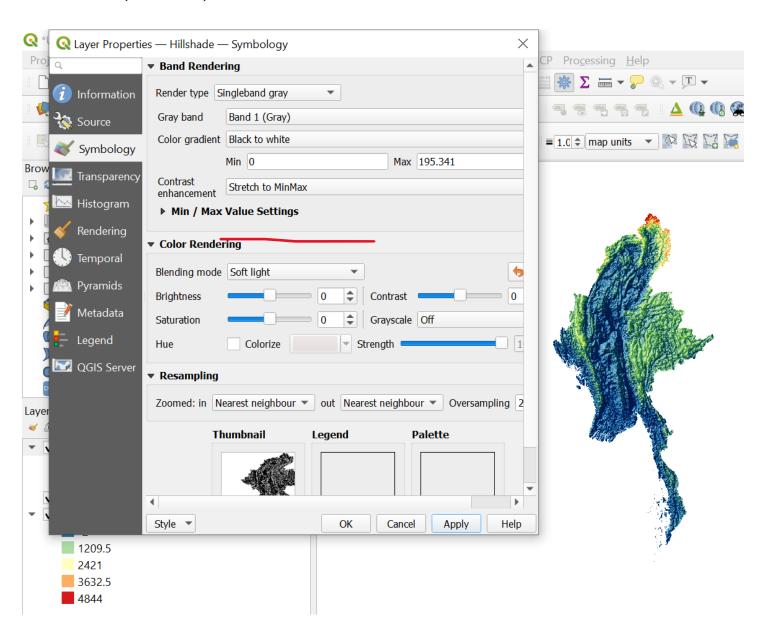
Key Operation

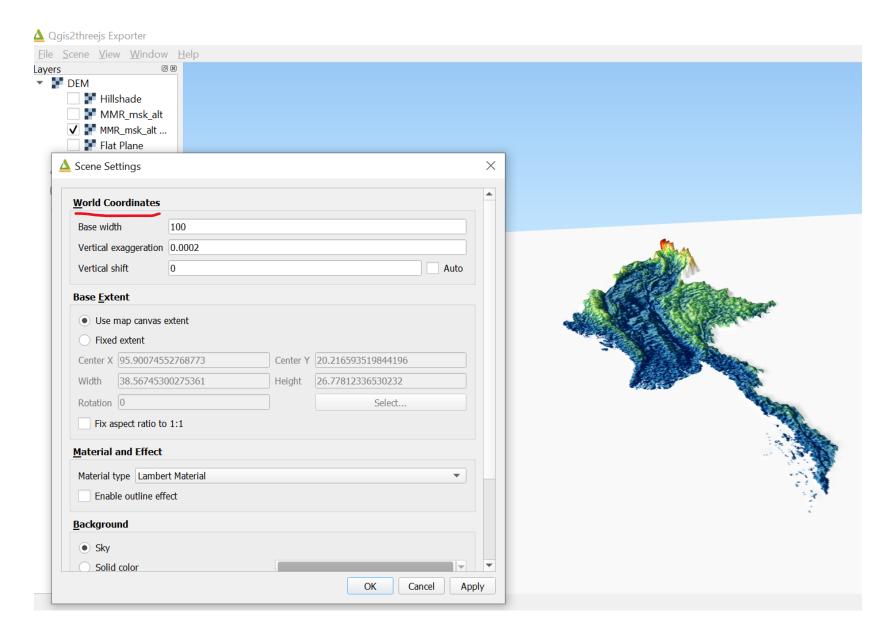
- Singleband pseudocolor
- Soft light
- Hillshade











Data Source

https://www.worldpop.org/geodata/summary?id=39730

Software

- QGIS 3.14
- Aerialod
 https://ephtracy.github.io/index.html?page=aerialod

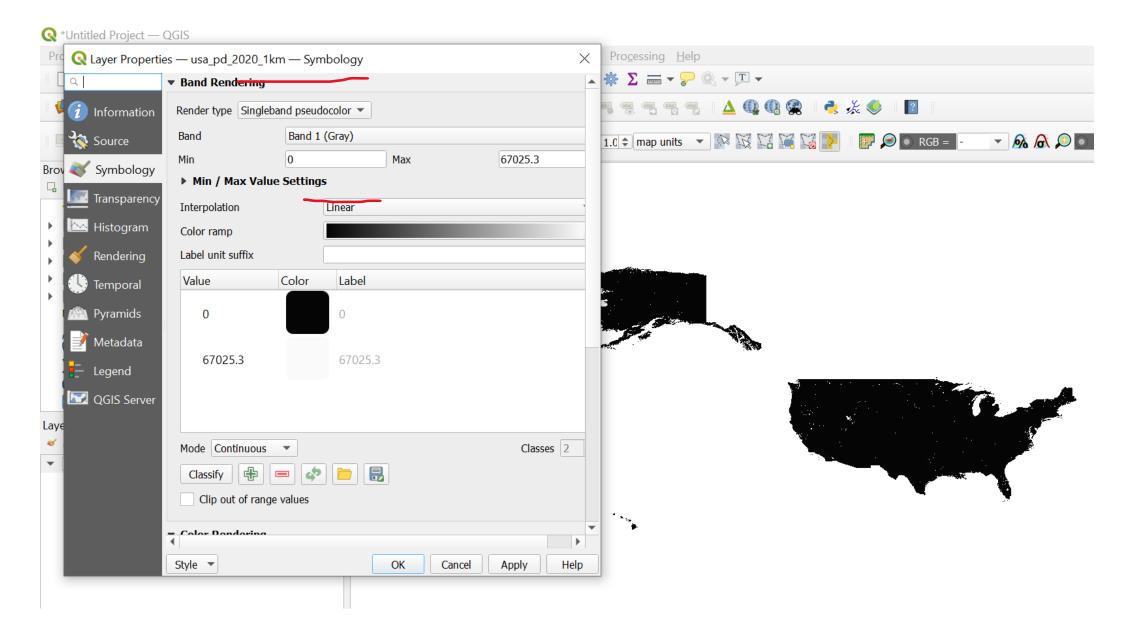
Key Operation

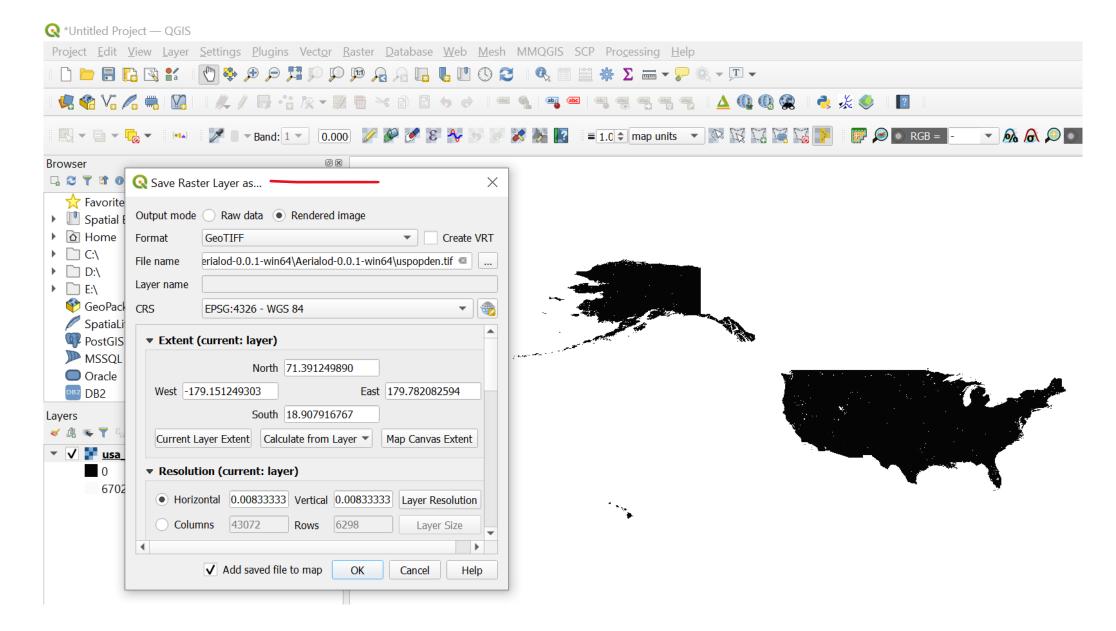
 http://www.statsmapsnpix.com/2020/11/how-to-make-3d-population-density.html

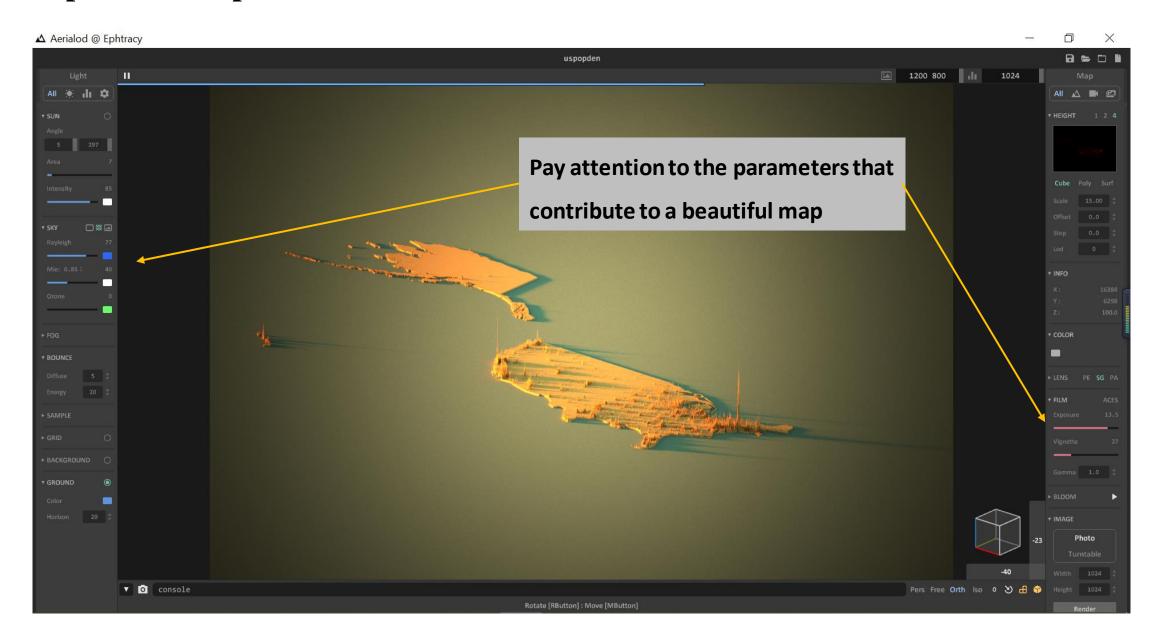
Fascinating Maps

- https://vividmaps.com/3d-mapping-global-populationdensity/
- https://pudding.cool/2018/10/city_3d/









Data Source

 https://sedac.ciesin.columbia.edu/data/set/gpw-v4population-density-rev11/data-download

Software

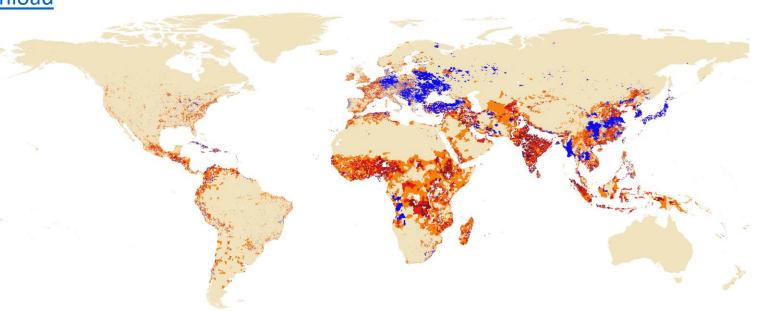
QGIS 3.14

Key Operation

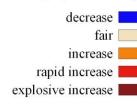
- Singleband pseudocolor
- Raster Calculator
- Interpolation → Discrete

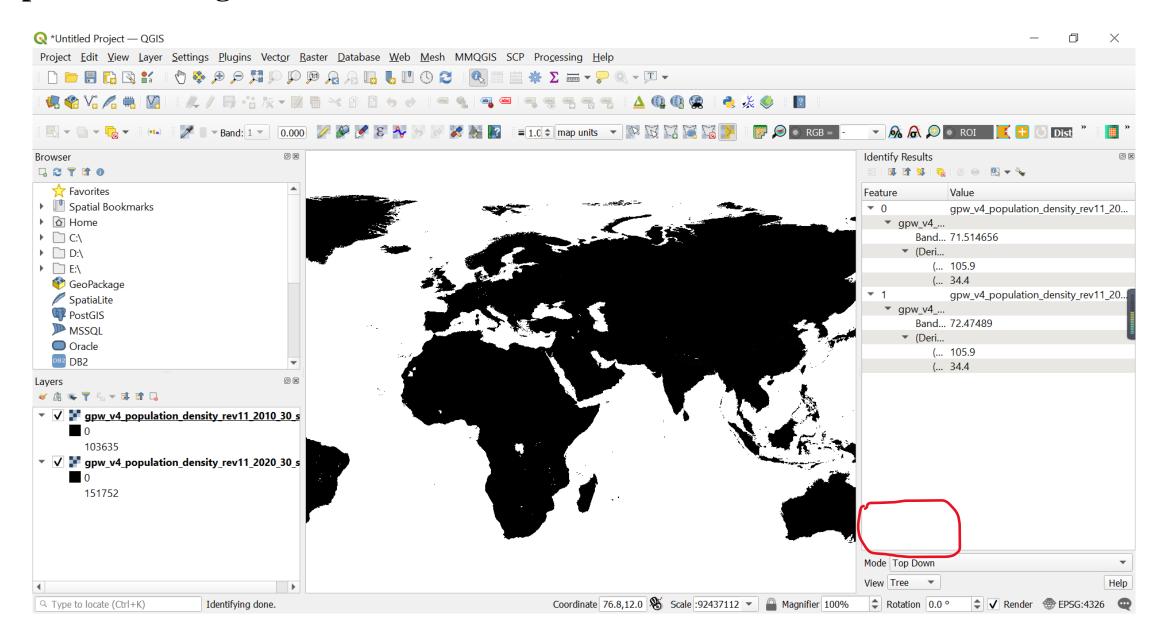
Questions

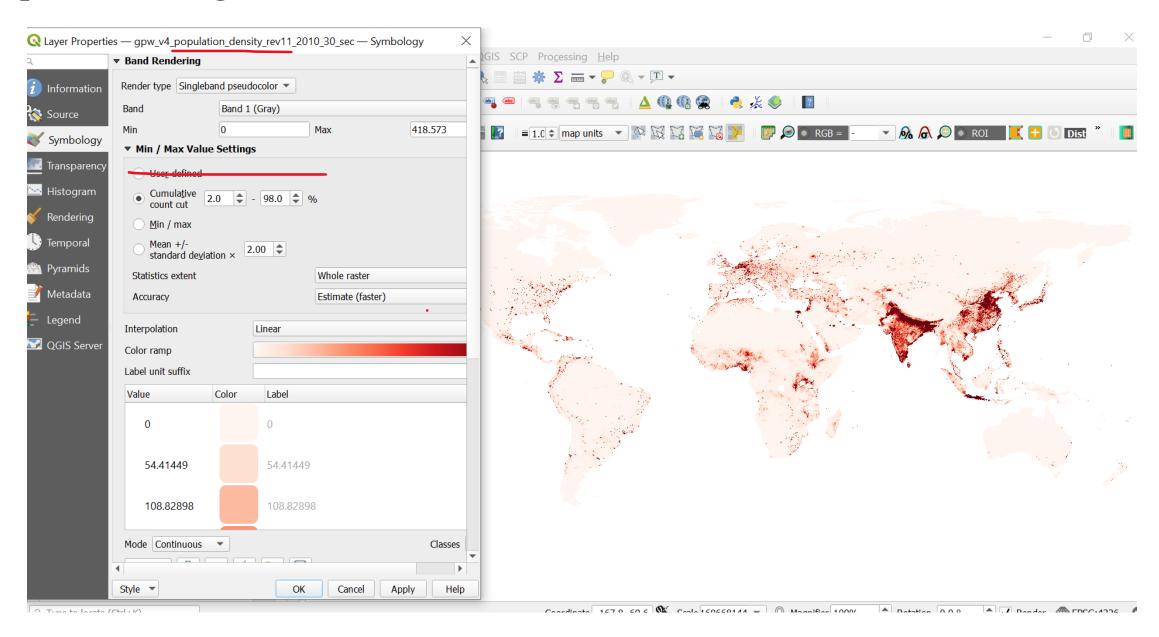
- What is the standard for classifying the population change into decrease, increase, etc.
- How to explain the change of min and max after setting cumulative count cut?

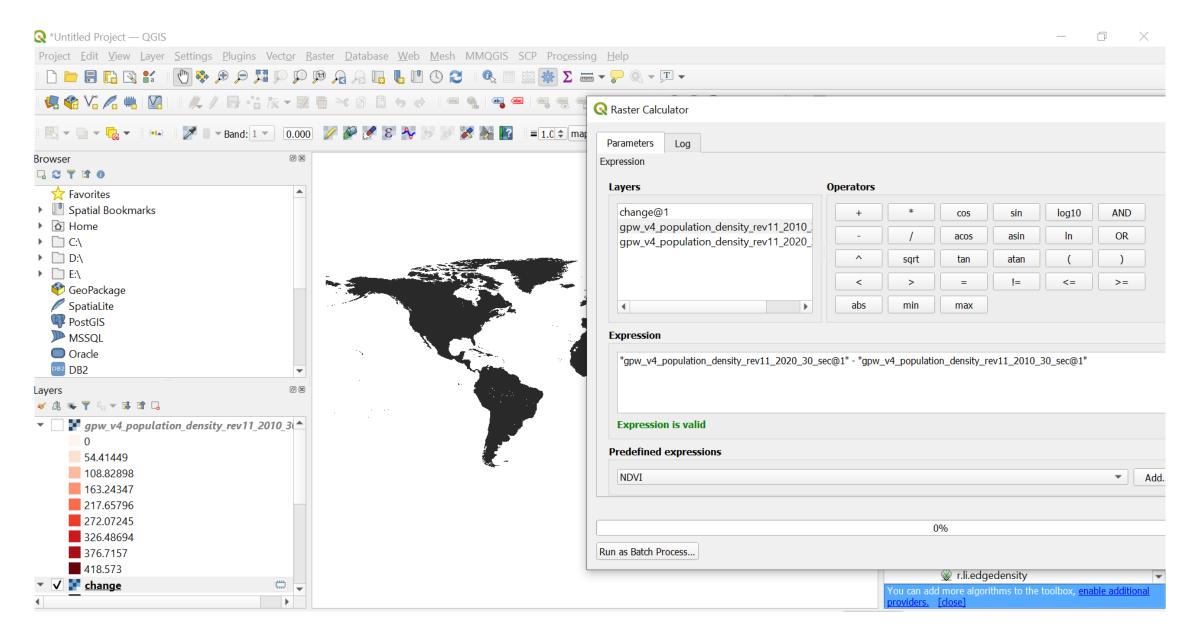


World Population Change (2010-2020)









Cummulative count cut or Min/max? Why the Min and Max change in this way after setting **Population Change** cumulative count out? Q Layer Properties — change — Symbology ▼ Band Rendering) () v (T) v *i* Information Render type Singleband pseudocolor ▼ Band 1 (Gray) Source . ROI ₩ 🔎 🕟 RGB = Min -4.46592 Max 59.5208 Symbology ▼ Min / Max Value Settings Transparency User defined <u>└</u> Histogram Rendering Min / max Temporal 2.00 🜲 standard deviation × Pyramids Statistics extent Whole raster ■ Metadata Estimate (faster) Accuracy Interpolation Linear QGIS Server Color ramp Label unit suffix Value Color Label 27.52744 27.52744 43.52412 43.52412 59.5208 59.5208 Mode Continuous ▼ Classes 5 Classify Cancel Style ▼ Coordinate -189.0,-17.7 Scale 160190656 🔻 A Magnifier 100% ♣ Rotation 0.0 ° Type to locate (Ctrl+K)

