

# Basic Raster Styling and Analysis

## QGIS Tutorials and Tips



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Translations by

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□ □□□□□ Columbia University□ [Gridded Population of the World \(GPW\) v3](#) □□□□□ □□□ □□□□. □□, 1990□□ 2000□ □□□ ASCII □□□ □ □□□ □□□□ □□□ □□□□ □□□□□. □□□□ □□ □□□□ □□□ □□ □□□□□□□ □□□□□.

1. Go to the [Population Density Grid, v3 download page](#). Select the Data Attributes as .ascii format, 1° resolution and 1990 year. Click Download. At this point, you may create a free account and login, or use the Guest Download button at the bottom to immediately download the data. Repeat the process for 2000 year data.

Set Overview

Data Download

Maps

Map Services

Metadata

## Downloads

Recommended Citation:

Center for International Earth Science Information Network - CIESIN - Columbia University, and Centro Internacional de Agricultura Tropical - CIAT. 2005. Gridded Population of the World, Version 3 (GPWv3): Population Density Grid. NY: NASA Socioeconomic Data and Applications Center (SEDAC). <http://sedac.ciesin.columbia.edu/data/set/gpw-density>. Accessed DAY MONTH YEAR.

Download this Citation:

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ENW

Use this format for EndNote and RefWorks software.

RIS

Use this format for ProCite, Reference Manager and Zotero software.

Data:

Geography: 

Region ▾ » Global ▾

Data Set: 

Population Density Grid ▾

Data Attributes: 

.ascii ▾

1° ▾

1990 ▾

Download

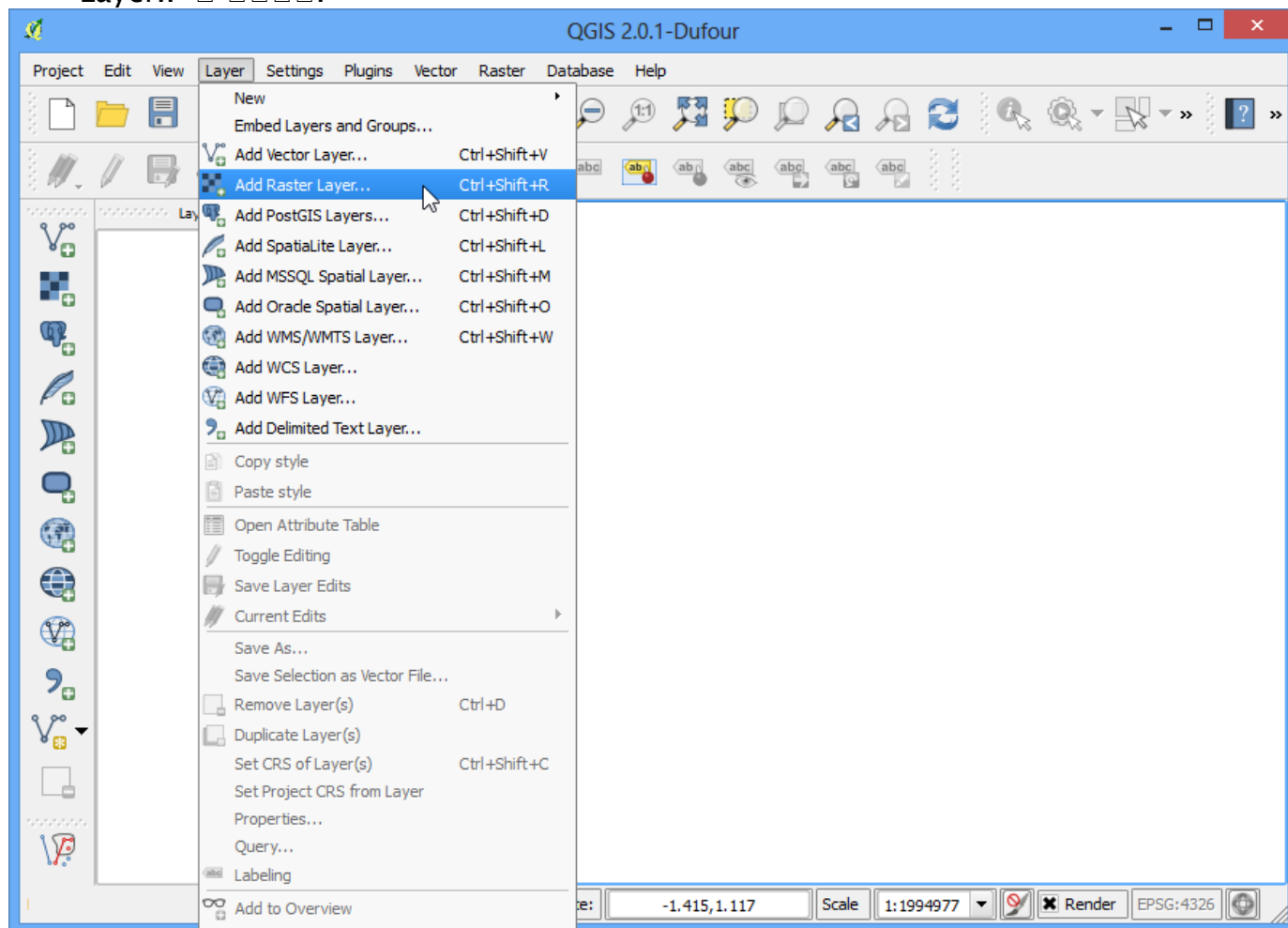
 feedback and support

2. 200 000000 000000 00000.

000 00 [GPW3]

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2. QGIS 000000 00 000 --> 000 000 00 :menuselection: Layer --> Add Raster Layer.. 0 0000.



3. 000000 000000 0000. 0000 :kbd: Ctrl 0 0000 000 000000 000000. 0 0000  
0 00 000 000 000 0 00000. 000 00 0 00 000 0000 00 00 0000 000000.



4. □ □□□□□ 2□□ □□□□□ □□□□□. □□□□ □□ `a` □ □□□□ UN □□□ □□□ □□ □□□□. □ □□□□ □□ □□□□ □□ □□□□. `glds00ag60.asc` □ □□□ □□□□ □□□□. :guilabel: `OK` □ □□□□.



5. □□□□ □□□ CRS □ □ □ □ □□□. □□ □□□ □□/□□□□ □□□□ `EPSG:4326` □ □□□□.



6. 在弹出的对话框中，选择 WGS 84 坐标系。单击 OK 按钮。



7. 在弹出的对话框中，选择 EPSG:4326 坐标系。单击 OK 按钮。



8. QGIS 的 CRS 对话框如下图所示。请根据对话框中的信息，选择正确的 CRS。





10. 〇〇〇〇〇 〇〇〇 〇〇 〇〇 〇〇〇 〇〇 〇〇〇 〇〇〇 〇〇〇〇 〇 〇〇〇 〇〇〇〇. 〇〇〇〇〇 〇〇〇〇 〇〇〇 〇〇〇 〇〇〇〇 〇〇 :guilabel: `Properties` 〇 〇〇〇〇〇. TOC 〇, Table of Contents 〇〇 〇〇〇〇〇 〇〇〇〇〇〇〇 〇〇〇 〇〇 〇〇〇〇〇〇〇 〇 〇〇 〇〇〇〇.

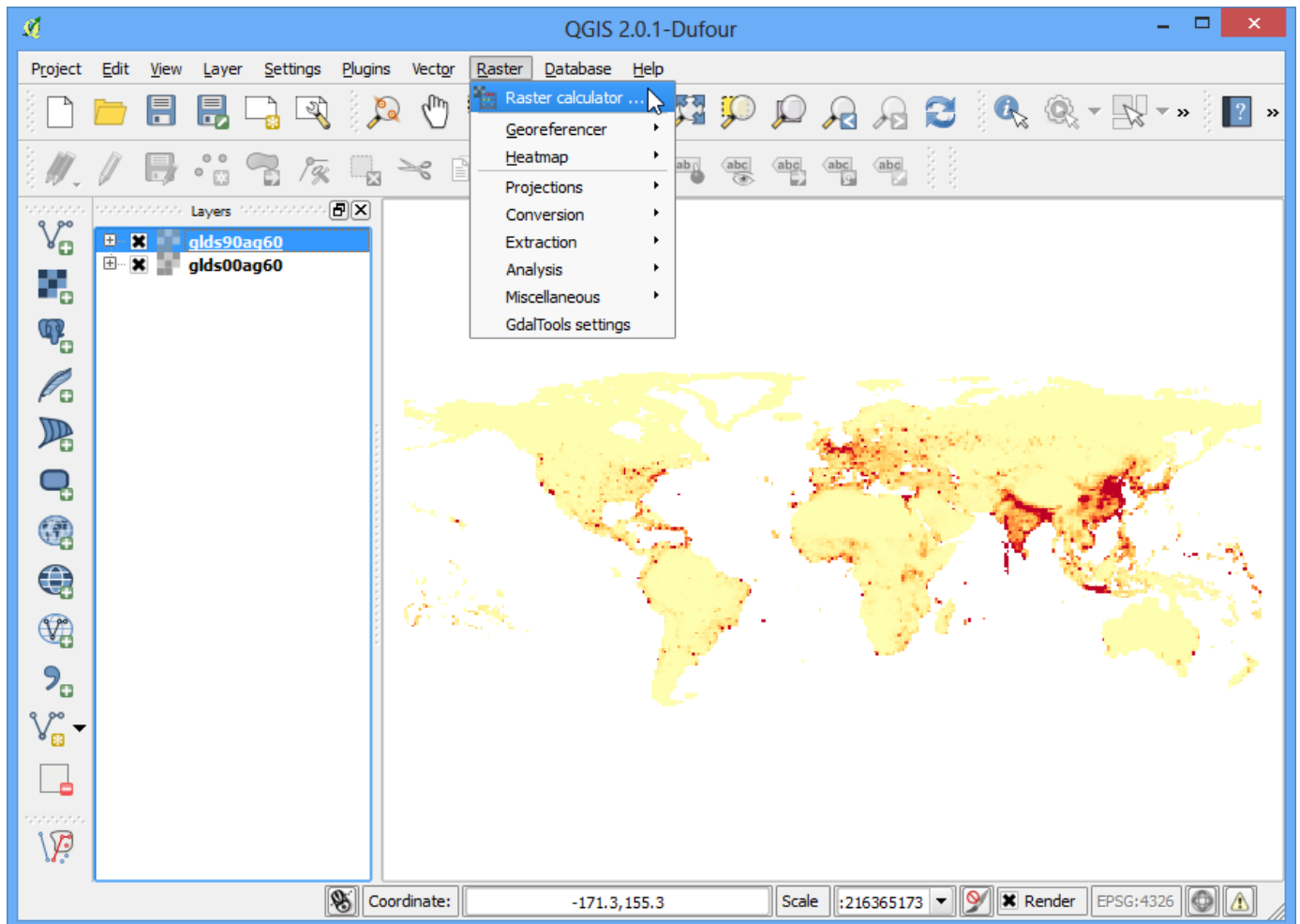






12. QGIS の Style タブで、単バンド擬似カラーでバンド 1 をレンダリングする。カラーinterpola-  
tion は Linear とする。新しいカラーマップを生成する。カラーマップは YlOrRd カラーレ-  
ンで 5 クラスで生成する。最小値は 0、最大値は 440.32 とする。クラスを生成する。クラス





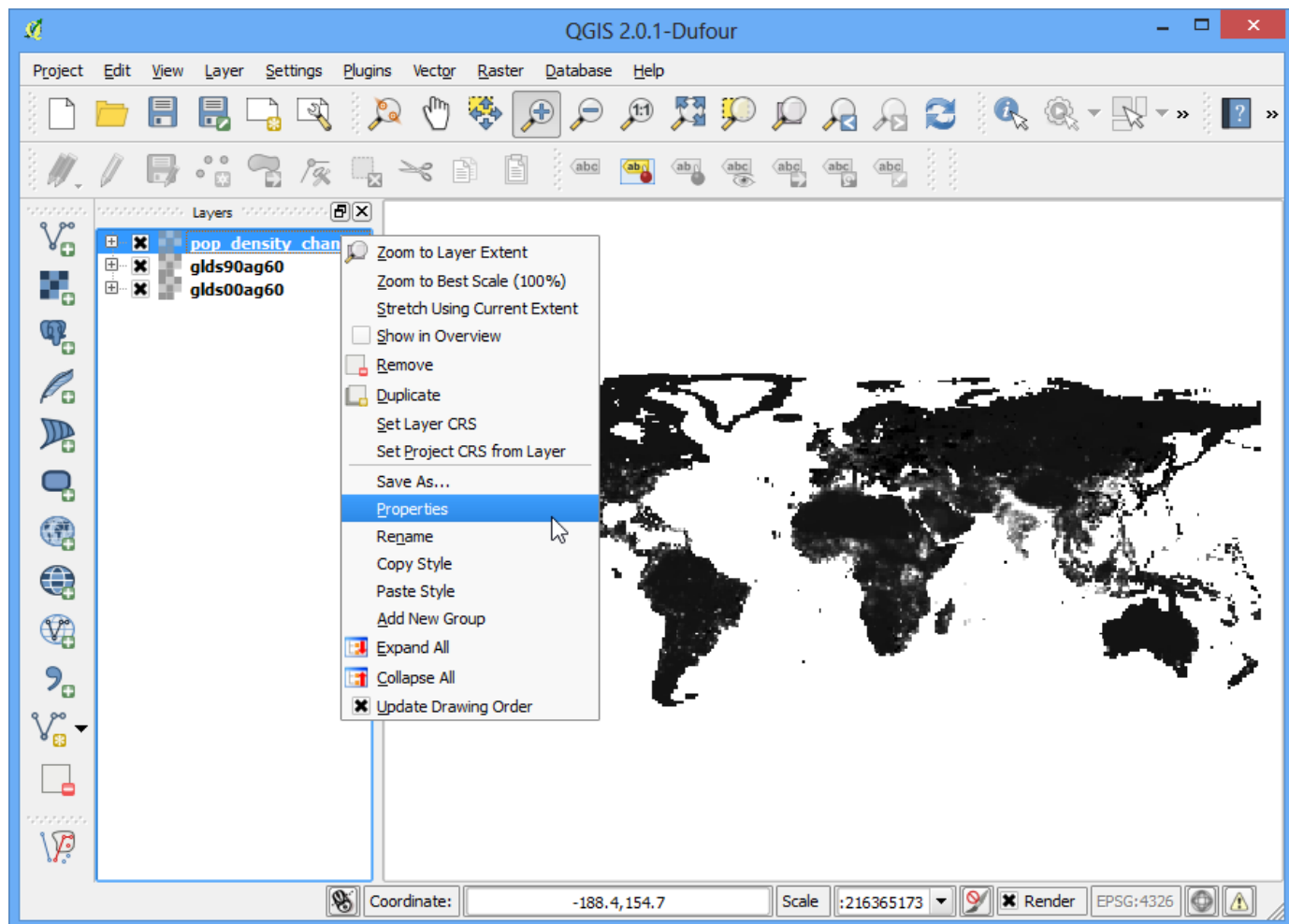
- [illegible]



15. □ □□□ □□□□ QGIS□□ □□□ □□□□ □□□ □□ □ □ □□□□.



16. `pop_density_change_2000_1990`, `pop_density_change_2000_1990`.  
 :guiLabel: Properties



17. 0000 000000 000 00 000 000 0000 0000 00 00 000 00 000. 0 000 00  
00 00000 :guilabel: `Metadata` 000 000. 000 0000 000 000000. 0 0000 00  
0 0000 00000.



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18. 00 000 Style 000 000. 00 000 :guilabel: `Band Rendering` 00 00 00
:guilabel: `Render type` 00 0000 0000 :guilabel: `Singleband pseudocolor` 0
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0000 :guilabel: `OK` 0 00000.
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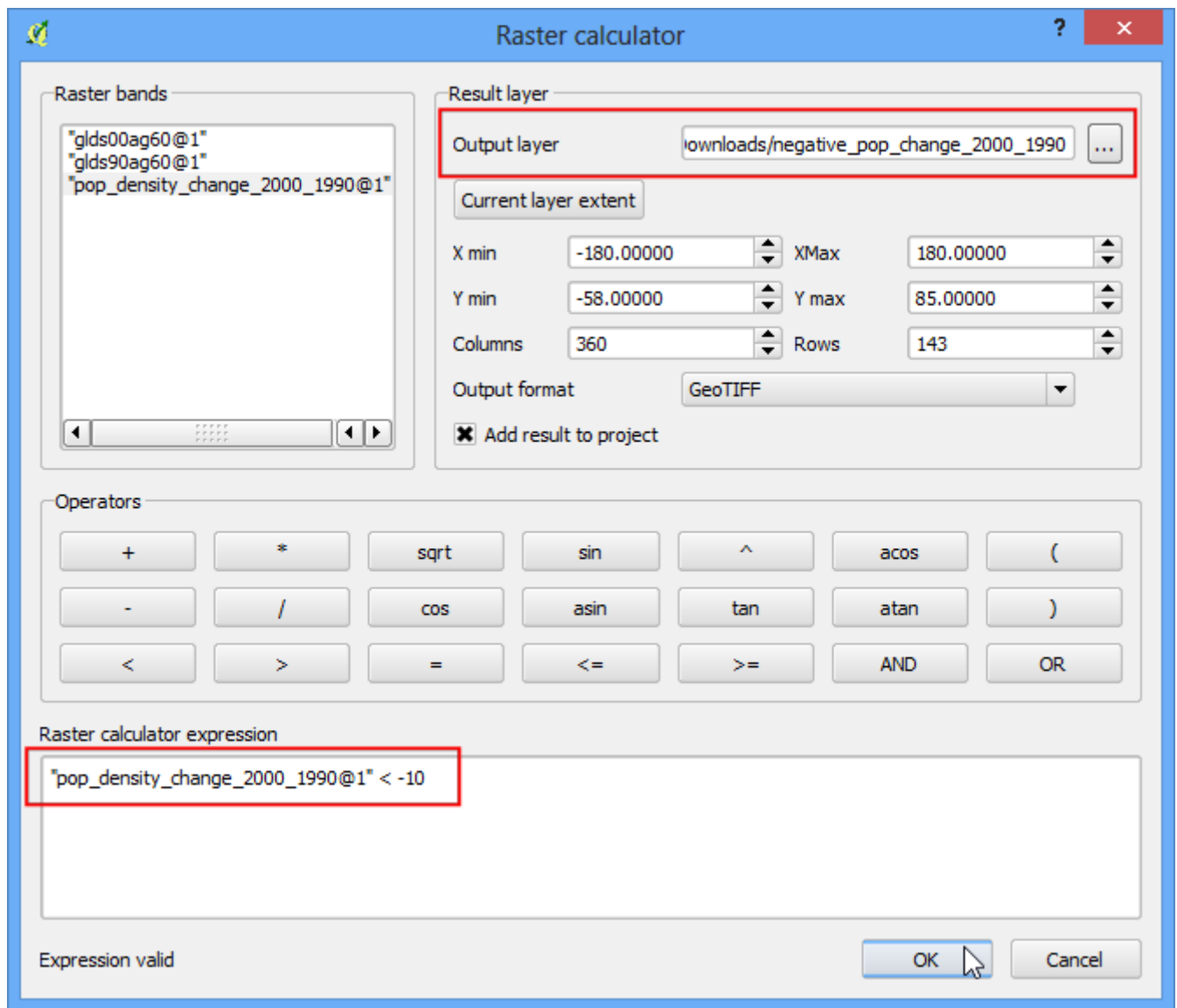




21. `menuselection: Raster --> Raster calculator`



22. `pop_density_change_2000_1990@1 < -10` `negative_pop_change_2000_1990`  
 Add result to project `OK`



23. □□ □□□ □□□□ □□□□□□□□. □□□ □□□ □□□ □ □□ □□ :guilabel: `Properties` □  
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24. □□ □□□□□ □□□ □□□ □ □ □□□□.

