



AMERICAN MUSEUM OF NATURAL HISTORY

CENTER FOR BIODIVERSITY AND CONSERVATION

Raster calculator

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Raster data

A raster is a grid of pixels

- Each pixel is given a value

Raster data

If a raster is a fancy spreadsheet:

- perform math on values
- values are reflected visually as a color

Raster data

Simple raster evaluations

– Arithmetic

- Multiplication
 - Expressing actual values
 - e.g., worldclim rasters
- Addition
 - Combining rasters

– Thresholding

- Removing cells below or above value

Raster data

Simple raster evaluations

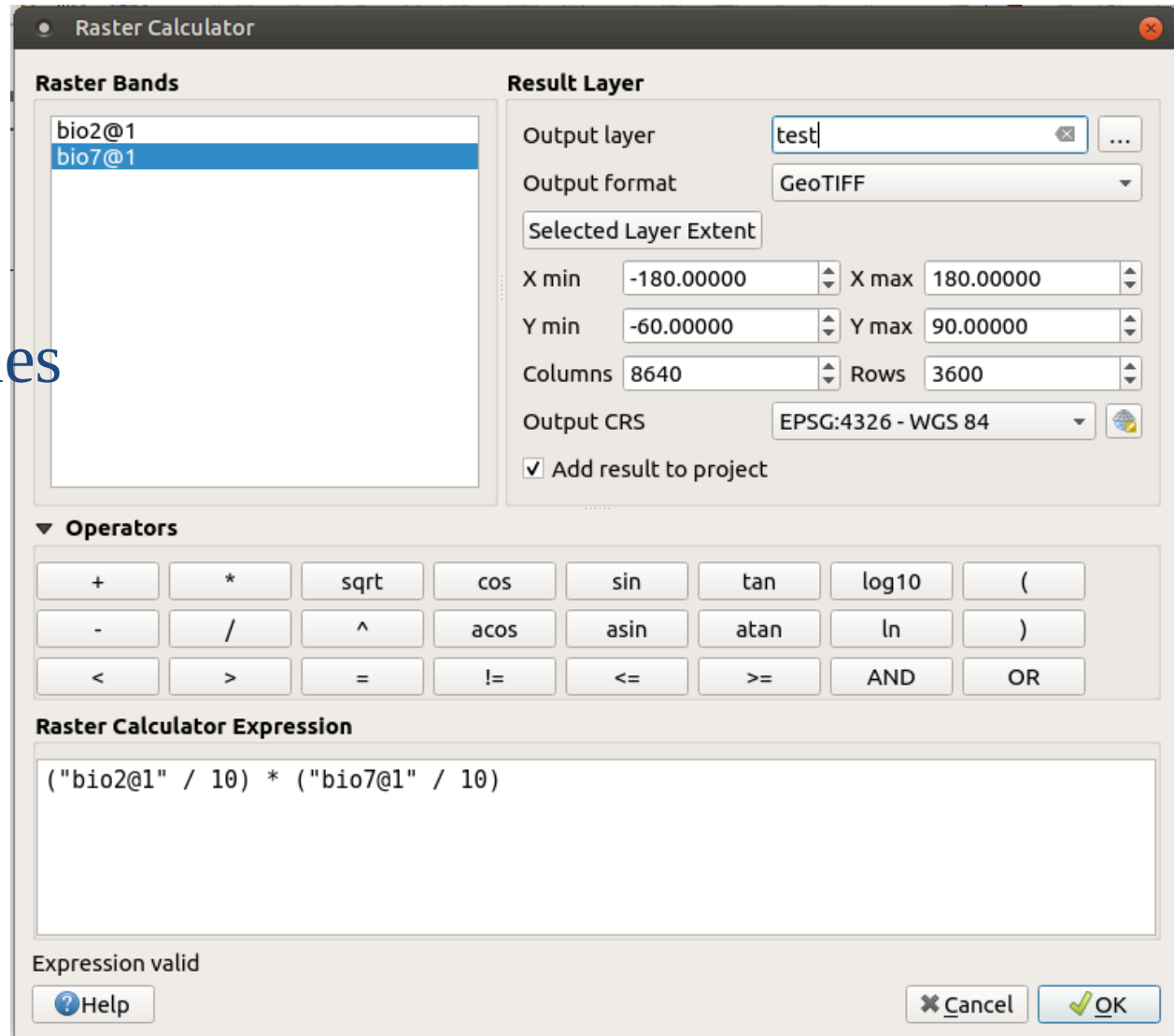
– Conversions

- Changing units
 - Meters to feet = “elevation@1” * 3.28
 - °F to °C = (“temp@1” -32) * (5/9)

Raster data

For example:

- worldclim
- Converting to actual values
- Save as new layer



Raster data

For example:

- Double click to add raster to expression box
- Best to use Operator buttons
- Can change output CRS
- Can select new extent, resolution

