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Raster Commands

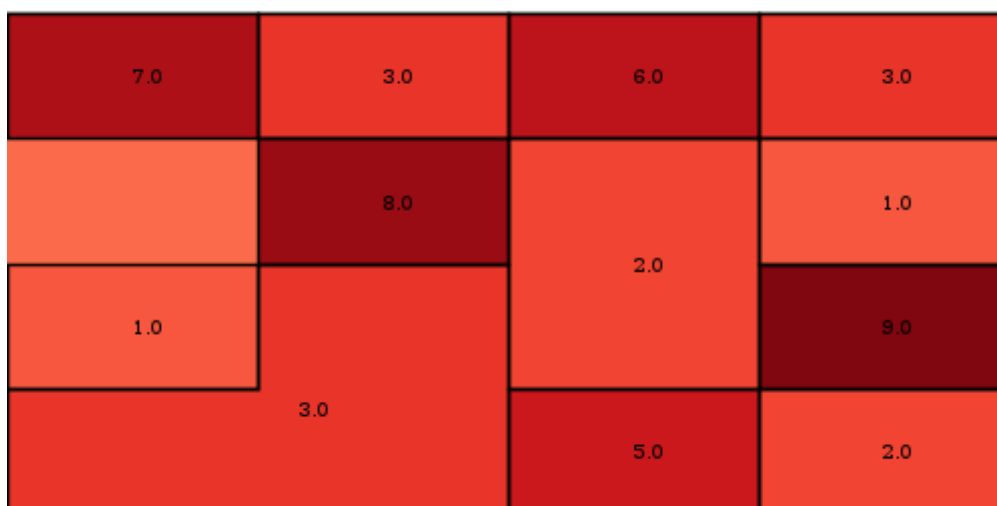
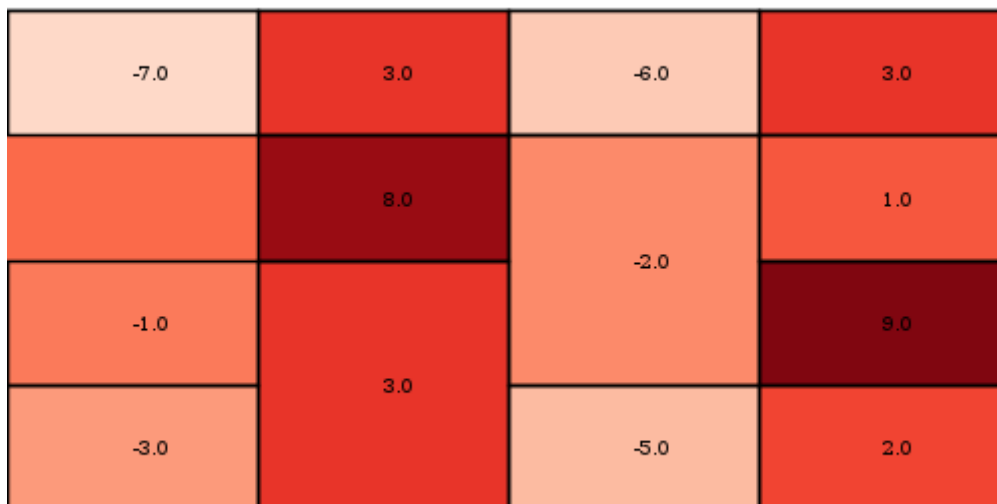
Absolute

Calculate the absolute value of the values of a Raster.

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |

| Short Name | Long Name | Description |
|------------|---------------------|------------------------|
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster abs -i src/test/resources/absolute.tif -o target/absolute_abs.tif
```



Add Constant

Add a constant value to a Raster.

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -v | --value | The value |
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

Get original value

```
geoc raster get value -i src/test/resources/pc.tif -x -121.799927 -y 46.867703
```

3069.0

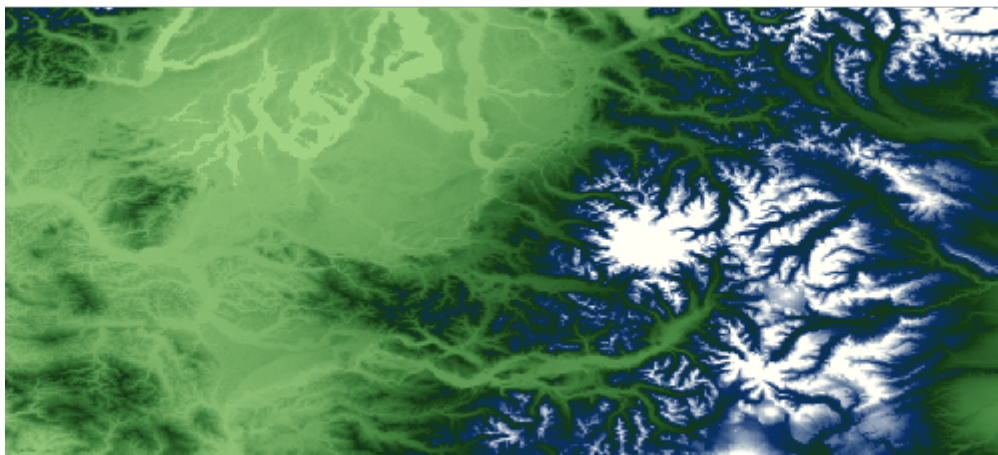
Add 100 to all cells

```
geoc raster add constant -i src/test/resources/pc.tif -v 100 -o target/pc_add.tif
```

Get new value

```
geoc raster get value -i target/pc_add.tif -x -121.799927 -y 46.867703
```

3169.0



Add

Add two Raster together.

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -k | --other-raster | The other raster |
| -y | --other-raster-name | The other raster name |
| -j | --other-projection | The other projection |
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster add -i src/test/resources/low.tif -k src/test/resources/high.tif -o
target/lowPlusHigh.tif
```

Low

| | | | |
|------|------|------|------|
| 13.0 | 14.0 | 15.0 | 16.0 |
| 9.0 | 10.0 | 11.0 | 12.0 |
| 5.0 | 6.0 | 7.0 | 8.0 |
| 1.0 | 2.0 | 3.0 | 4.0 |

High

| | | | |
|------|------|------|------|
| 17.0 | 18.0 | 19.0 | 20.0 |
| 13.0 | 14.0 | 15.0 | 16.0 |
| 9.0 | 10.0 | 11.0 | 12.0 |
| 5.0 | 6.0 | 7.0 | 8.0 |

Low + High

| | | | |
|------|------|------|------|
| 30.0 | 32.0 | 34.0 | 36.0 |
| 22.0 | 24.0 | 26.0 | 28.0 |
| 14.0 | 16.0 | 18.0 | 20.0 |
| 6.0 | 8.0 | 10.0 | 12.0 |

Animated GIF

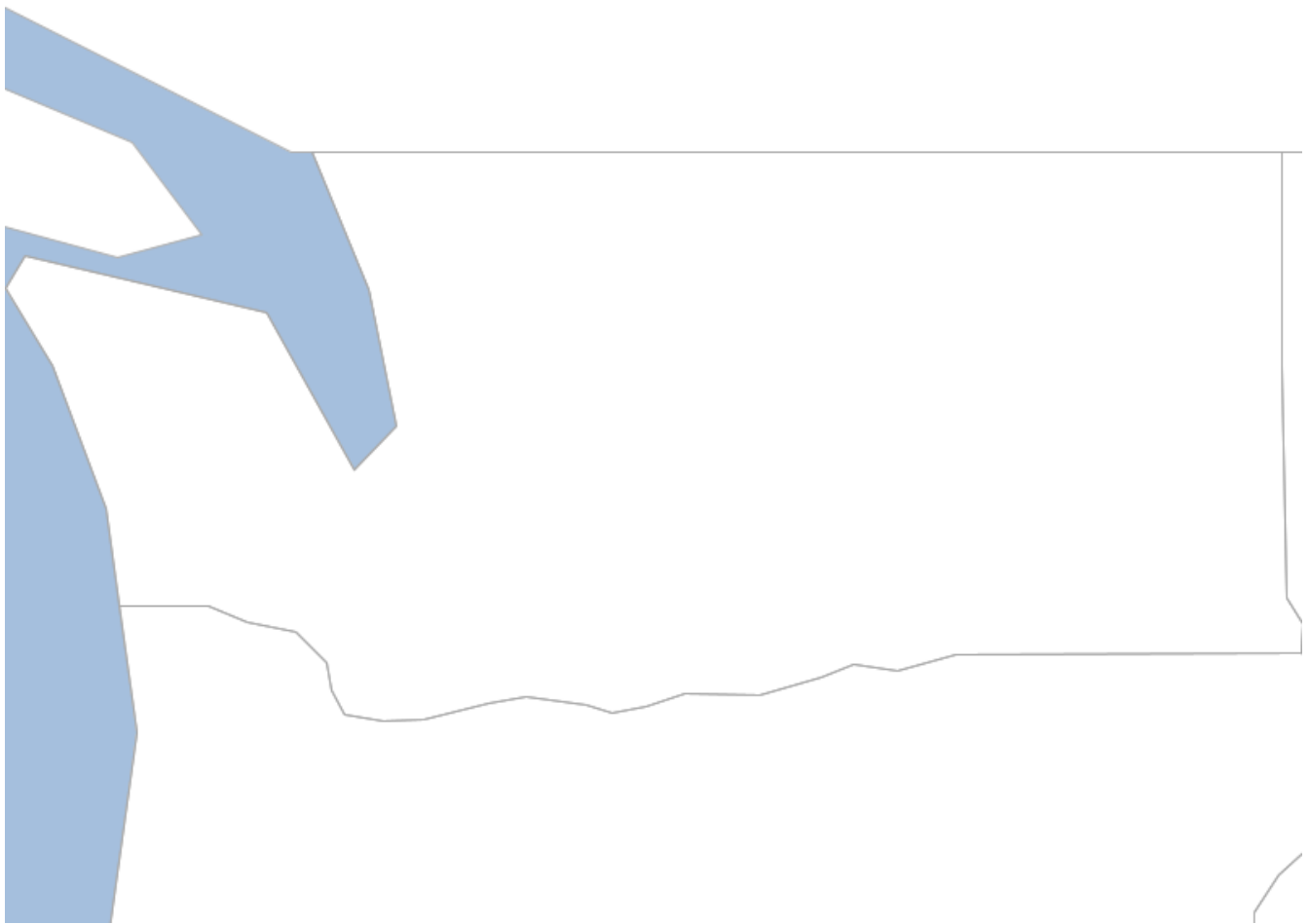
Create an animated GIF from a list of GIFs.

| Short Name | Long Name | Description |
|------------|---------------|--|
| -f | --file | The GIF file |
| -o | --output-file | The output animated GIF file |
| -d | --delay | The delay between images |
| -r | --repeat | Whether to repeat the animation or not |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

First, lets create individual maps of 3 states.

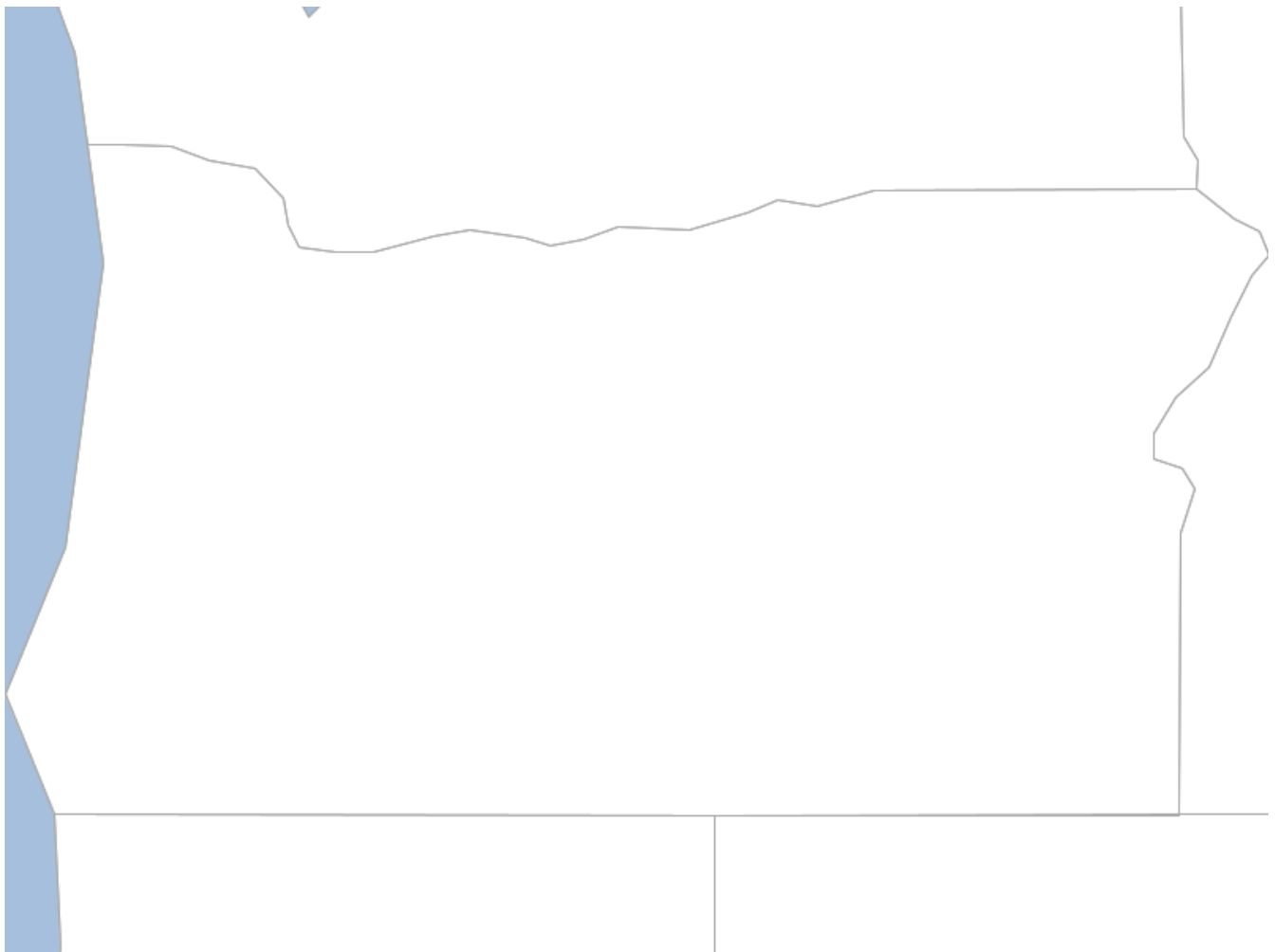
Washington

```
geoc map draw -l "layertype=layer file=src/test/resources/data.gpkg layertype=layer  
style=src/test/resources/ocean.sld" -l "layertype=layer  
file=src/test/resources/data.gpkg layertype=layer  
style=src/test/resources/countries.sld" -l "layertype=layer  
file=src/test/resources/data.gpkg layertype=layer  
style=src/test/resources/states.sld" -b -124.68721008300781,45.59199778907822,  
-116.90652787968992,49.000885321643864 -f target/state_washington.png
```



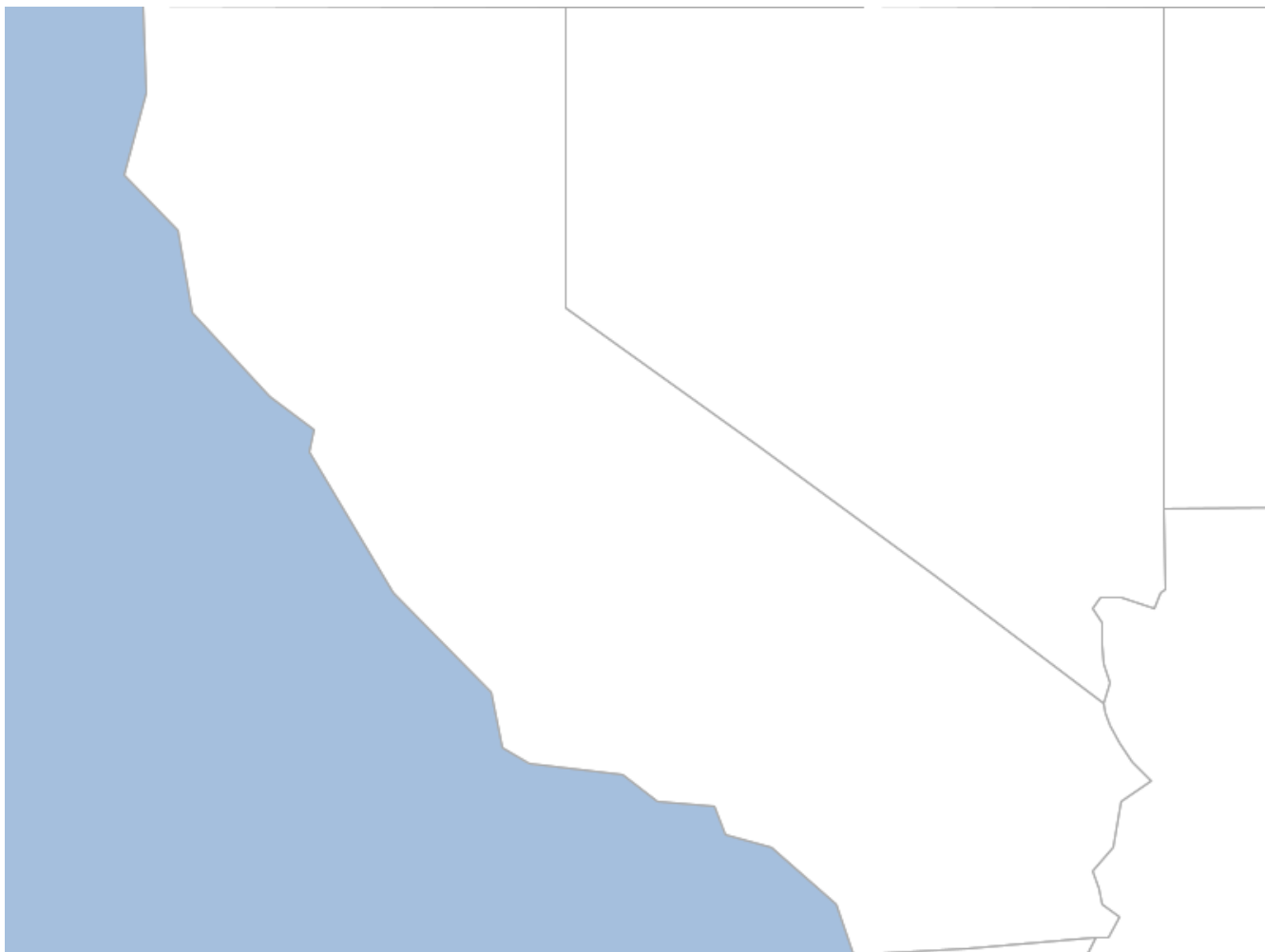
Oregon

```
geoc map draw -l "layertype=layer file=src/test/resources/data.gpkg layername=ocean  
style=src/test/resources/ocean.sld" -l "layertype=layer  
file=src/test/resources/data.gpkg layername=countries  
style=src/test/resources/countries.sld" -l "layertype=layer  
file=src/test/resources/data.gpkg layername=states  
style=src/test/resources/states.sld" -b -124.53283999999996,41.99260508886846,  
-116.45779557988342,46.2830694871044 -f target/state_oregon.png
```



California

```
geoc map draw -l "layertype=layer file=src/test/resources/data.gpkg layername=ocean
style=src/test/resources/ocean.sld" -l "layertype=layer
file=src/test/resources/data.gpkg layername=countries
style=src/test/resources/countries.sld" -l "layertype=layer
file=src/test/resources/data.gpkg layername=states
style=src/test/resources/states.sld" -b -124.39795772362243,32.535327053348965,
-114.16597164595498,41.99947805436335 -f target/state_california.png
```

Now lets stitch them together into an animated GIF.

```
geoc raster animatedgif -f target/state_washington.png -f target/state_oregon.png -f
target/state_california.png -o target/states.gif
```

[geoc animatedgif] | *geoc_animatedgif.gif*

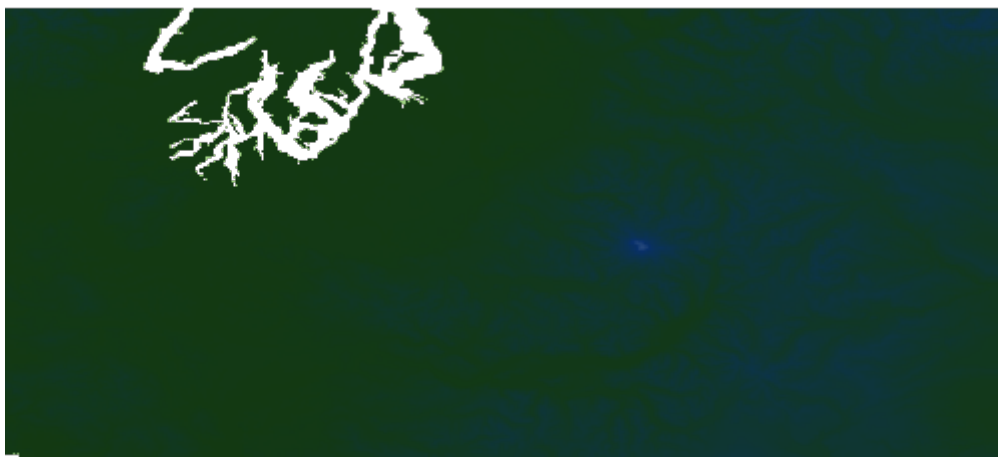
Convolve

Convolve the values of a Raster.

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -w | --width | The kernel width |
| -h | --height | The kernel height |
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |

| Short Name | Long Name | Description |
|------------|------------|------------------------|
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster convolve -i src/test/resources/pc.tif -o target/pc_convolve.tif -w 2 -h 2
```



Original

```
geoc raster info -i src/test/resources/pc.tif
```

```
Format: GeoTIFF
Size: 800, 400
Projection ID: EPSG:4326
Projection WKT: GEOGCS["WGS 84",
  DATUM["World Geodetic System 1984",
    SPHEROID["WGS 84", 6378137.0, 298.257223563, AUTHORITY["EPSG","7030"]],
    AUTHORITY["EPSG","6326"]],
  PRIMEM["Greenwich", 0.0, AUTHORITY["EPSG","8901"]],
  UNIT["degree", 0.017453292519943295],
  AXIS["Geodetic longitude", EAST],
  AXIS["Geodetic latitude", NORTH],
  AUTHORITY["EPSG","4326"]]
Extent: -123.55291606131708, 46.25375026634816, -120.73958272798374,
47.522916933014834
Pixel Size: 0.0035166666666666658, 0.0031729166666666763
Block Size: 800, 5
Bands:
  GRAY_INDEX
    Min Value: -23.0 Max Value: 4370.0
```

```
geoc raster info -i target/pc_convolve.tif
```

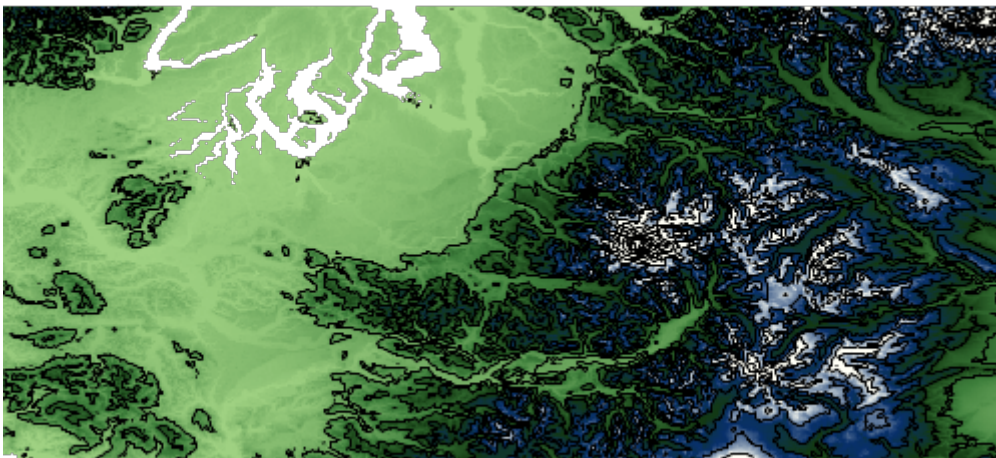
```
Format: GeoTIFF
Size: 800, 400
Projection ID: EPSG:4326
Projection WKT: GEOGCS["WGS 84",
  DATUM["World Geodetic System 1984",
    SPHEROID["WGS 84", 6378137.0, 298.257223563, AUTHORITY["EPSG","7030"]],
    AUTHORITY["EPSG","6326"]],
  PRIMEM["Greenwich", 0.0, AUTHORITY["EPSG","8901"]],
  UNIT["degree", 0.017453292519943295],
  AXIS["Geodetic longitude", EAST],
  AXIS["Geodetic latitude", NORTH],
  AUTHORITY["EPSG","4326"]]
Extent: -123.55291606131708, 46.25375026634816, -120.73958272798374,
47.522916933014834
Pixel Size: 0.0035166666666666658, 0.0031729166666666673
Block Size: 800, 10
Bands:
  GRAY_INDEX
  Min Value: -32767.0 Max Value: 17278.0
```

Contour

Create contours from a Raster.

| Short Name | Long Name | Description |
|------------|---------------------|------------------------|
| -b | --band | The band |
| -v | --level | A level or interval |
| -s | --simplify | Whether to simplify |
| -m | --smooth | Whether to smooth |
| -n | --bounds | The bounds |
| -o | --output-workspace | The output workspace |
| -r | --output-layer | The output layer |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster contour -i src/test/resources/pc.tif -b 0 -v 300 -s -m -o
target/contours.shp
```

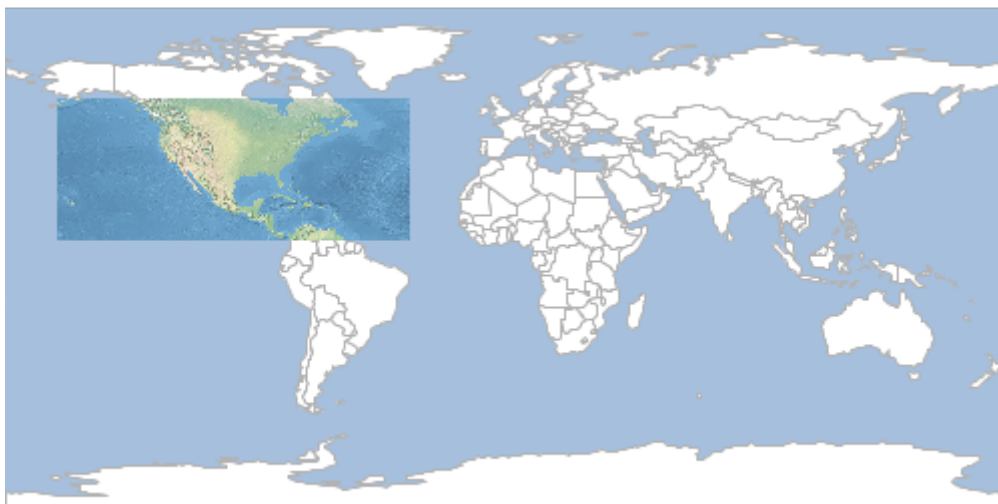


Crop with Bounds

Crop a Raster with Bounds.

| Short Name | Long Name | Description |
|------------|------------------------|---|
| -b | --bound | The Bounds |
| -x | --pixel | Whether the Bounds is pixel or geographic |
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster crop -i src/test/resources/earth.tif -b -160.927734,6.751896,
-34.716797,57.279043 -o target/earth_cropped.tif
```

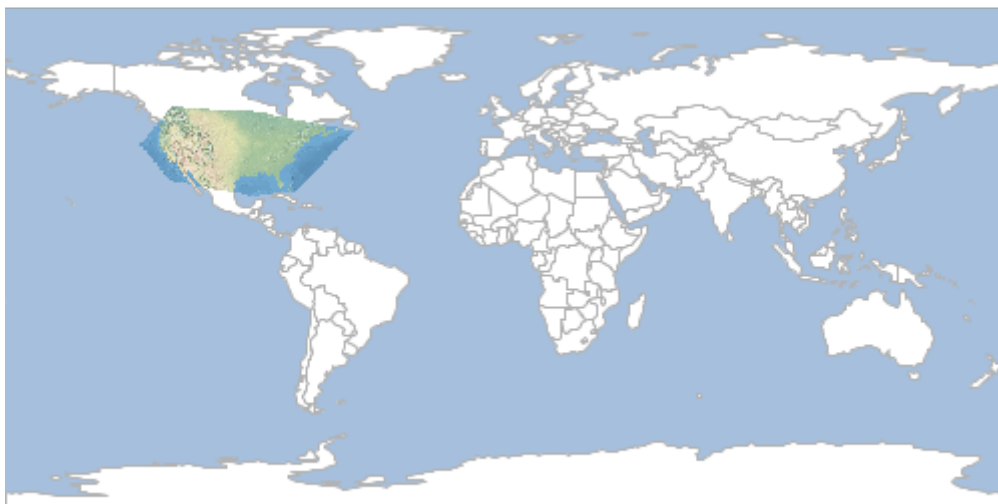


Crop with Geometry

Crop a Raster with Geometry.

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -g | --geometry | The Geometry |
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster crop with geometry -i src/test/resources/earth.tif -g "POLYGON ((-
120.06886118446164 54.657570186377484, -131.4744345802818 40.88641840854305,
-120.66873293244274 27.841500134049014, -91.23852896646747 22.376168381822453,
-75.66538001484537 23.99772020337508, -54.66444615739175 45.994788780815526,
-91.94198075352523 53.20175611636799, -120.06886118446164 54.657570186377484)))" -o
target/earth_cropped.tif
```



Crop with Layer

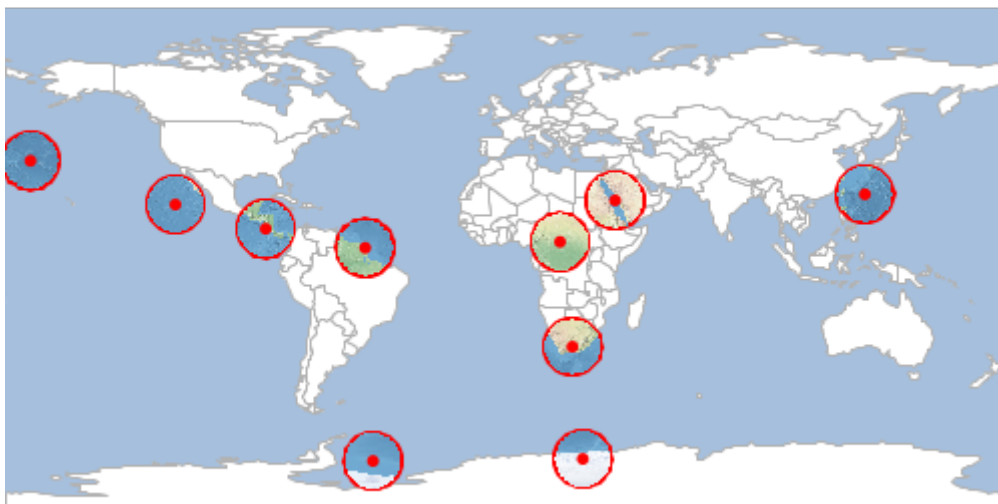
Crop a Raster with a Layer.

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -w | --input-workspace | The input workspace |
| -y | --input-layer | The input layer |
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc vector randompoints -n 10 -g -180,-90,180,90 -o target/locations.shp
```

```
geoc vector buffer -d 10 -i target/locations.shp -o target/buffers.shp
```

```
geoc raster crop with layer -i src/test/resources/earth.tif -o  
target/earth_cropped.tif -w target/buffers.shp
```

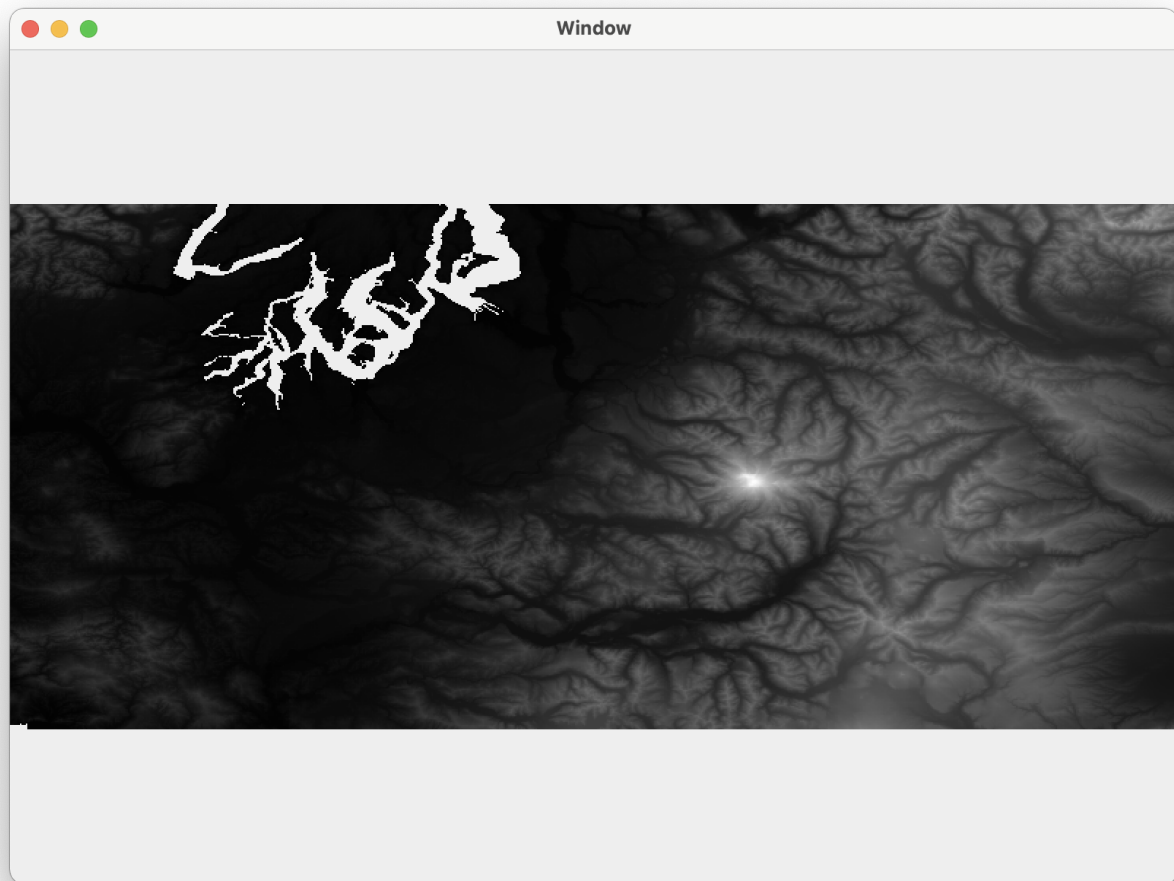


Display

Display a Raster in a simple GUI Window.

| Short Name | Long Name | Description |
|------------|---------------------|------------------------|
| -w | --width | The width |
| -h | --height | The height |
| -s | --sld-file | The sld file |
| -b | --bounds | The bounds |
| -m | --layer | The map layer |
| -g | --background-color | The background color |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster display -i src/test/resources/pc.tif
```



Divide

Divide one Raster by another Raster.

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -k | --other-raster | The other raster |
| -y | --other-raster-name | The other raster name |
| -j | --other-projection | The other projection |
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |


```
geoc raster divide -i src/test/resources/high.tif -k src/test/resources/low.tif -o target/divided.tif
```

Low

| | | | |
|-------|-------|-------|-------|
| 13.00 | 14.00 | 15.00 | 16.00 |
| 9.00 | 10.00 | 11.00 | 12.00 |
| 5.00 | 6.00 | 7.00 | 8.00 |
| 1.00 | 2.00 | 3.00 | 4.00 |

High

| | | | |
|-------|-------|-------|-------|
| 17.00 | 18.00 | 19.00 | 20.00 |
| 13.00 | 14.00 | 15.00 | 16.00 |
| 9.00 | 10.00 | 11.00 | 12.00 |
| 5.00 | 6.00 | 7.00 | 8.00 |

High / Low

| | | | |
|------|------|------|------|
| 1.31 | 1.29 | 1.27 | 1.25 |
| 1.44 | 1.40 | 1.36 | 1.33 |
| 1.80 | 1.67 | 1.57 | 1.50 |
| 5.00 | 3.00 | 2.33 | 2.00 |

Divide Constant

Divide a Raster by a constant value.

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -v | --value | The value |
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster divide constant -i src/test/resources/high.tif -v 2.1 -o
target/divided.tif
```

Raster

| | | | |
|-------|-------|-------|-------|
| 17.00 | 18.00 | 19.00 | 20.00 |
| 13.00 | 14.00 | 15.00 | 16.00 |
| 9.00 | 10.00 | 11.00 | 12.00 |
| 5.00 | 6.00 | 7.00 | 8.00 |

Raster / 2.1

| | | | |
|------|------|------|------|
| 8.10 | 8.57 | 9.05 | 9.52 |
| 6.19 | 6.67 | 7.14 | 7.62 |
| 4.29 | 4.76 | 5.24 | 5.71 |
| 2.38 | 2.86 | 3.33 | 3.81 |

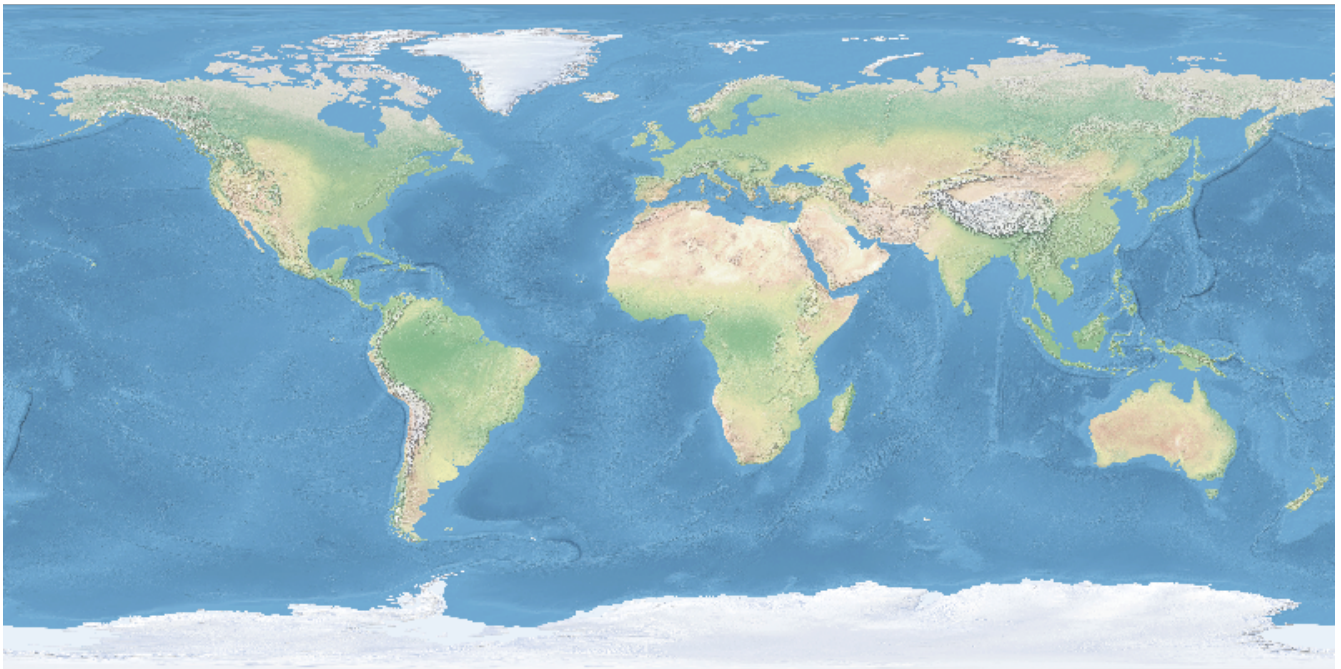
Draw

Draw a Raster to an image.

| Short Name | Long Name | Description |
|------------|------------|----------------------|
| -f | --file | The output file |
| -t | --type | The type of document |
| -w | --width | The width |
| -h | --height | The height |
| -s | --sld-file | The sld file |
| -b | --bounds | The bounds |
| -m | --layer | The map layer |

| Short Name | Long Name | Description |
|------------|---------------------|------------------------|
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster draw -i src/test/resources/earth.tif -f target/image.png
```



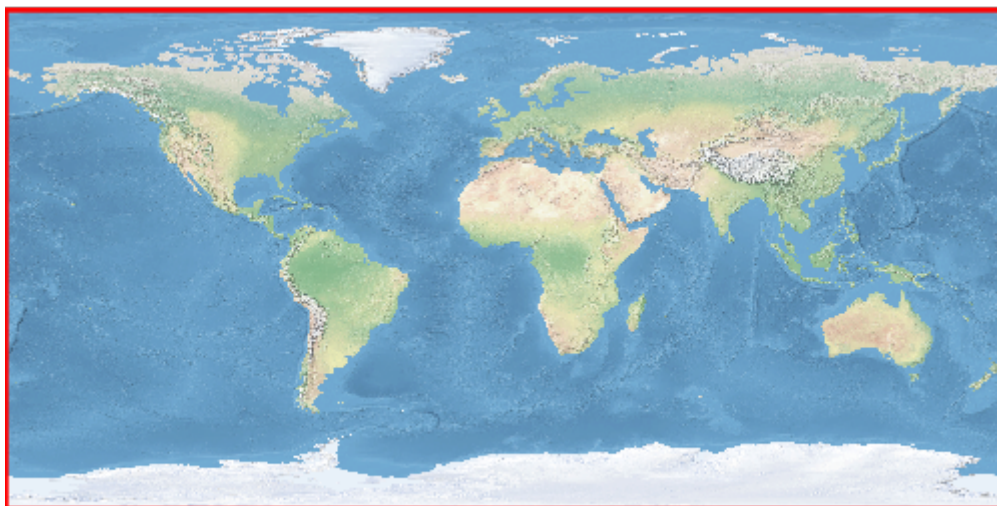
Envelope

Get the Envelope of a Raster as a Vector Layer.

| Short Name | Long Name | Description |
|------------|---------------------|-----------------------|
| -o | --output-workspace | The output workspace |
| -r | --output-layer | The output layer |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |

| Short Name | Long Name | Description |
|------------|--------------------|------------------------|
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster envelope -i src/test/resources/earth.tif -o target/earth_envelope.shp
```



Exponent

Calculate the exponent for each cell..

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster exp -i src/test/resources/pc.tif -o target/pc_exp.tif
```



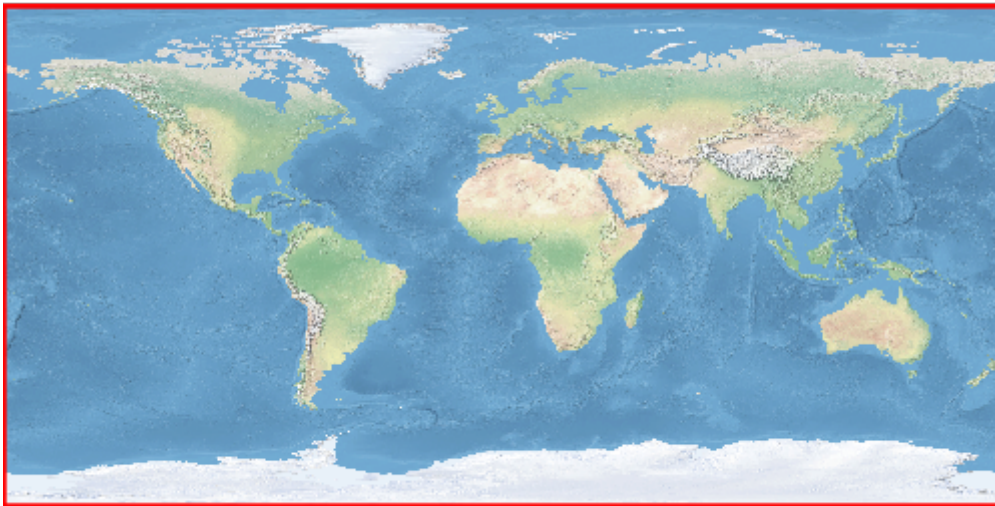
Extract Footprint

Extract the footprint of the Raster as a Vector Layer.

| Short Name | Long Name | Description |
|------------|--------------------------------|---|
| -e | --exclusion-range | A comma delimited range of values to exclude from the search. |
| -t | --threshold-area | A number used to exclude small Polygons. The default is 5. |
| -f | --compute-simplified-footprint | Whether to compute a simplified footprint or not. The default is false. |
| -s | --simplifier-factor | A number used to simplify the geometry. The default is 2. |
| -c | --remove-collinear | Whether to remove collinear coordinates. The default is true. |
| -v | --force-valid | Whether to force creation of valid polygons. The default is true. |
| -y | --loading-type | The image loading type (Deferred or Immediate). Immediate is the default. |
| -o | --output-workspace | The output workspace |
| -r | --output-layer | The output layer |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |

| Short Name | Long Name | Description |
|------------|--------------------|------------------------|
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster extractfootprint -i src/test/resources/earth.tif -o
target/earth_footprint.shp
```



Info

Get information about a Raster.

| Short Name | Long Name | Description |
|------------|---------------------|------------------------|
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster info -i src/test/resources/earth.tif
```

```

Format: GeoTIFF
Size: 800, 400
Projection ID: EPSG:4326
Projection WKT: GEOGCS["WGS 84",
  DATUM["World Geodetic System 1984",
    SPHEROID["WGS 84", 6378137.0, 298.257223563, AUTHORITY["EPSG","7030"]],
    AUTHORITY["EPSG","6326"]],
  PRIMEM["Greenwich", 0.0, AUTHORITY["EPSG","8901"]],
  UNIT["degree", 0.017453292519943295],
  AXIS["Geodetic longitude", EAST],
  AXIS["Geodetic latitude", NORTH],
  AUTHORITY["EPSG","4326"]]
Extent: -179.9999999999997, -89.99999999998205, 179.99999999996405, 90.0
Pixel Size: 0.4499999999995505, 0.449999999999551
Block Size: 800, 8
Bands:
  RED_BAND
    Min Value: 56.0 Max Value: 255.0
  GREEN_BAND
    Min Value: 84.0 Max Value: 255.0
  BLUE_BAND
    Min Value: 91.0 Max Value: 255.0

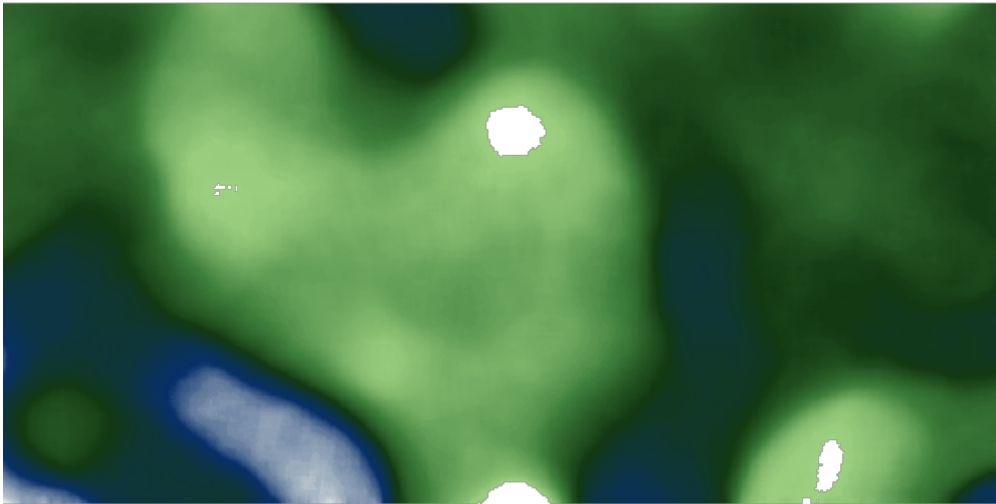
```

Invert

Invert the values of a Raster.

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster invert -i src/test/resources/raster.tif -o target/inverted.tif
```

Get Projection

Get the Raster Projection.

| Short Name | Long Name | Description |
|------------|---------------------|--------------------------------------|
| -t | --type | The output type (epsg, id, srs, wkt) |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster projection -i src/test/resources/earth.tif
```

```
EPSG:4326
```

Get Size

Get the Raster size (width,height).

| Short Name | Long Name | Description |
|------------|---------------------|-----------------------|
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |

| Short Name | Long Name | Description |
|------------|------------|------------------------|
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster size -i src/test/resources/earth.tif
```

```
800,400
```

Get Value

Get a value from a Raster

| Short Name | Long Name | Description |
|------------|---------------------|--------------------------------|
| -x | --x-coordinate | The x coordinate |
| -y | --y-coordinate | The y coordinate |
| -t | --type | The type can be point or pixel |
| -b | --band | The band to get a value from |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster get value -i src/test/resources/pc.tif -x -121.799927 -y 46.867703
```

```
3069.0
```

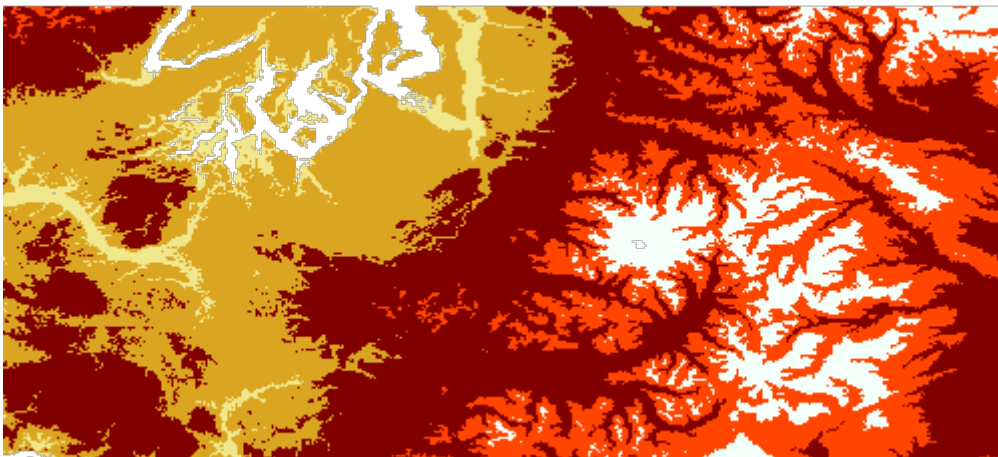
Reclassify

Reclassify a Raster.

| Short Name | Long Name | Description |
|------------|-----------|----------------------------------|
| -b | --band | The band |
| -n | --nodata | The NODATA value |
| -r | --range | A range: from-to=value or 1-10=5 |

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster reclassify -i src/test/resources/pc.tif -o target/pc_reclass.tif -r 0-0=1
-r 0-50=2 -r 50-200=3 -r 200-1000=5 -r 1000-1500=4 -r 1500-4000=6
```



Style Default

Create a default Style for a Raster.

| Short Name | Long Name | Description |
|------------|------------|------------------------|
| -o | --opacity | The opacity |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster style default
```

```
<?xml version="1.0" encoding="UTF-8"?><sld:StyledLayerDescriptor xmlns=
"http://www.opengis.net/sld" xmlns:sld="http://www.opengis.net/sld" xmlns:gml=
"http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc" version="1.0.0">
  <sld:UserLayer>
    <sld:LayerFeatureConstraints>
      <sld:FeatureTypeConstraint/>
    </sld:LayerFeatureConstraints>
    <sld:UserStyle>
      <sld:Name>Default Styler</sld:Name>
      <sld:FeatureTypeStyle>
        <sld:Name>name</sld:Name>
        <sld:Rule>
          <sld:RasterSymbolizer>
            <sld:Geometry>
              <ogc:Literal>grid</ogc:Literal>
            </sld:Geometry>
            <sld:ContrastEnhancement/>
          </sld:RasterSymbolizer>
        </sld:Rule>
      </sld:FeatureTypeStyle>
    </sld:UserStyle>
  </sld:UserLayer>
</sld:StyledLayerDescriptor>
```

Subtract Constant

Subtract a constant value from a Raster.

| Short Name | Long Name | Description |
|------------|------------------------|--|
| -v | --value | The value |
| -m | --from | Whether to subtract the Raster from the constant or vice verse |
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

Get original value

```
geoc raster get value -i src/test/resources/pc.tif -x -121.799927 -y 46.867703
```

3069.0

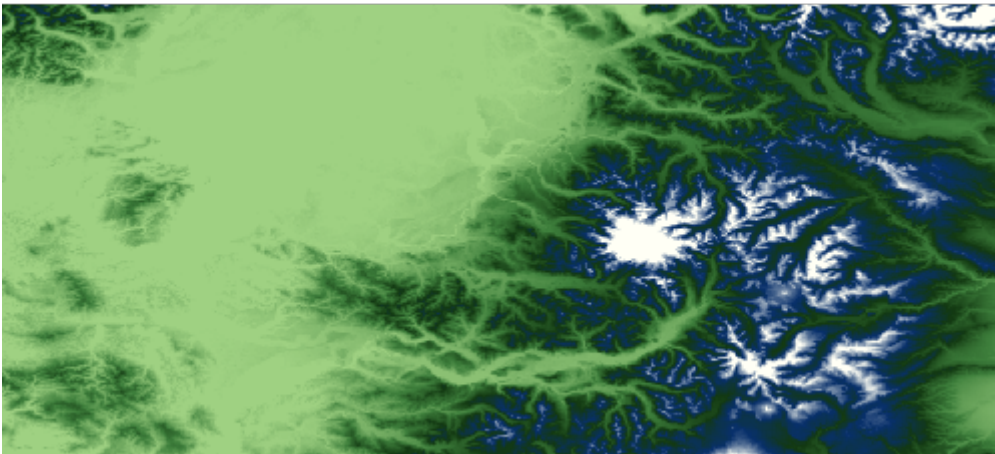
Subtract 100 from all cells

```
geoc raster subtract constant -i src/test/resources/pc.tif -v 100 -o  
target/pc_subtract.tif
```

Get new value

```
geoc raster get value -i target/pc_subtract.tif -x -121.799927 -y 46.867703
```

2969.0



Subtract

Subtract one Raster from another.

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -k | --other-raster | The other raster |
| -y | --other-raster-name | The other raster name |
| -j | --other-projection | The other projection |
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |

| Short Name | Long Name | Description |
|------------|--------------------|------------------------|
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster subtract -i src/test/resources/high.tif -k src/test/resources/low.tif -o
target/highMinusLow.tif
```

High

| | | | |
|------|------|------|------|
| 17.0 | 18.0 | 19.0 | 20.0 |
| 13.0 | 14.0 | 15.0 | 16.0 |
| 9.0 | 10.0 | 11.0 | 12.0 |
| 5.0 | 6.0 | 7.0 | 8.0 |

Low

| | | | |
|------|------|------|------|
| 13.0 | 14.0 | 15.0 | 16.0 |
| 9.0 | 10.0 | 11.0 | 12.0 |
| 5.0 | 6.0 | 7.0 | 8.0 |
| 1.0 | 2.0 | 3.0 | 4.0 |

High - Low



4.0

To

Convert a Raster from one format to another.

| Short Name | Long Name | Description |
|------------|------------------------|--------------------------|
| -o | --output-raster | The output raster |
| -f | --output-raster-format | The output raster format |
| -i | --input-raster | The input raster |
| -l | --input-raster-name | The input raster name |
| -p | --input-projection | The input projection |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster to -i src/test/resources/raster.tif -o target/raster.png -f worldimage
```



World File

Create a Raster world file

| Short Name | Long Name | Description |
|------------|------------|------------------------|
| -b | --bounds | The bounds |
| -s | --size | The size |
| -f | --file | The world file |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc raster worldfile -b 10,11,20,21 -s 800,751
```

```
0.0125
0.0
0.0
-0.013315579227696404
10.00625
20.993342210386153
```