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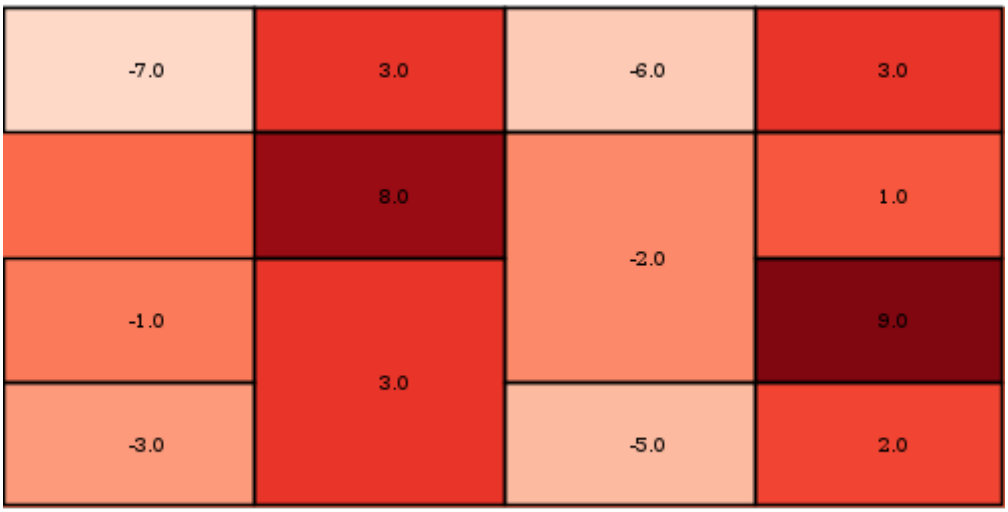
Raster Commands

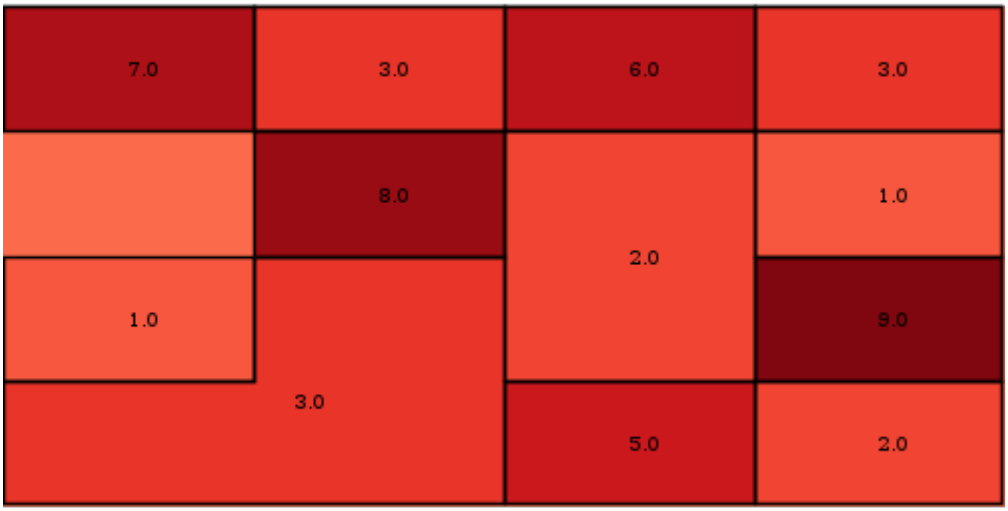
Absolute

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
-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
```





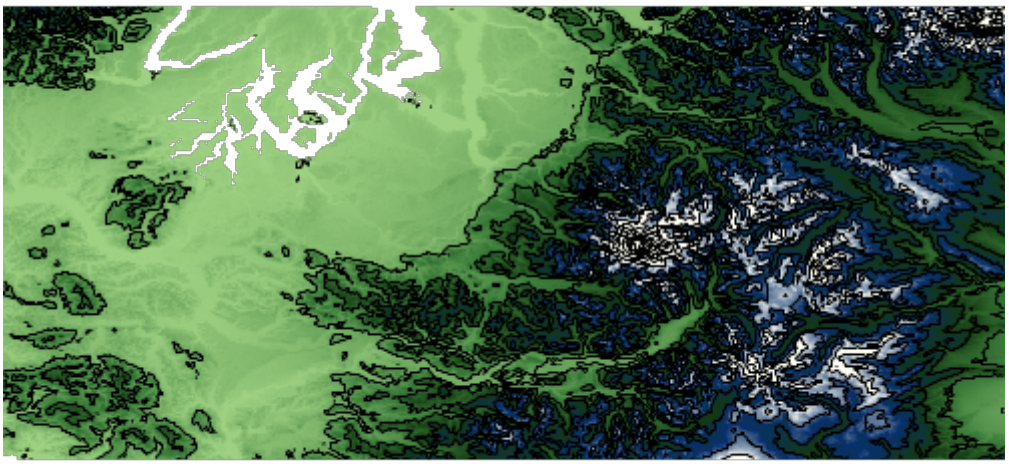
Contour

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

Short Name	Long Name	Description
-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
```

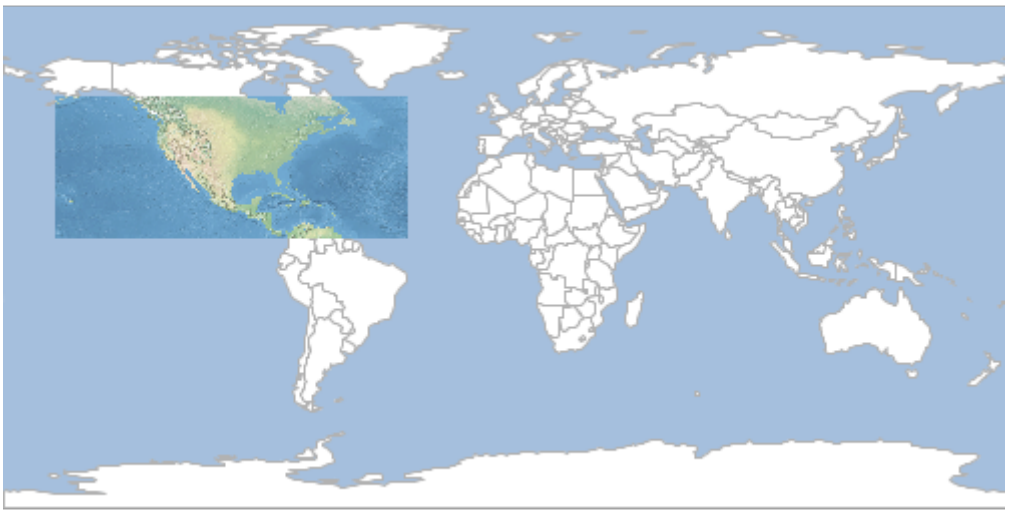


Crop

Crop a Raster.

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
```

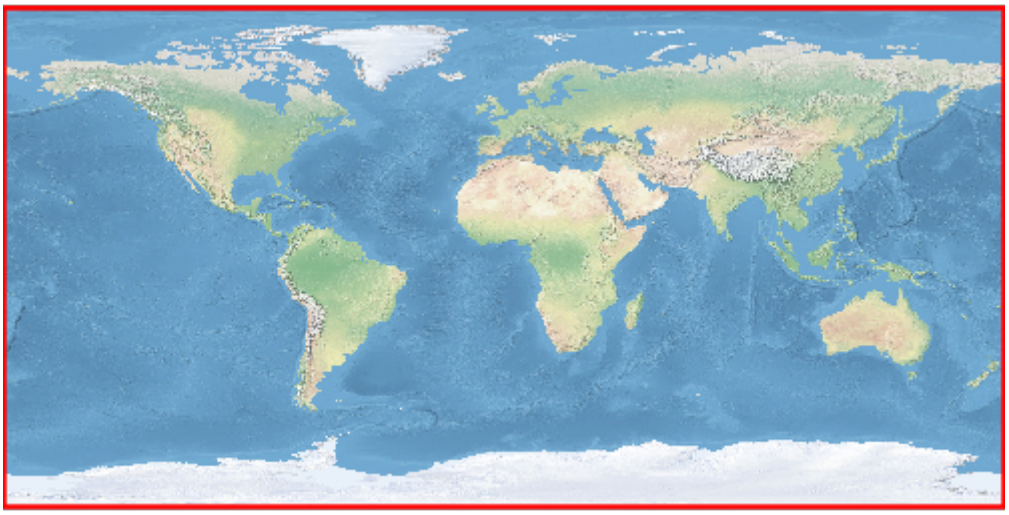


Envelope

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
-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
```



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: -179.99999999999997, -89.99999999998205, 179.99999999996405, 90.0
Pixel Size: 0.44999999999995505, 0.4499999999999551
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
```

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
	--help	Print the help message
	--web-help	Open help in a browser

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

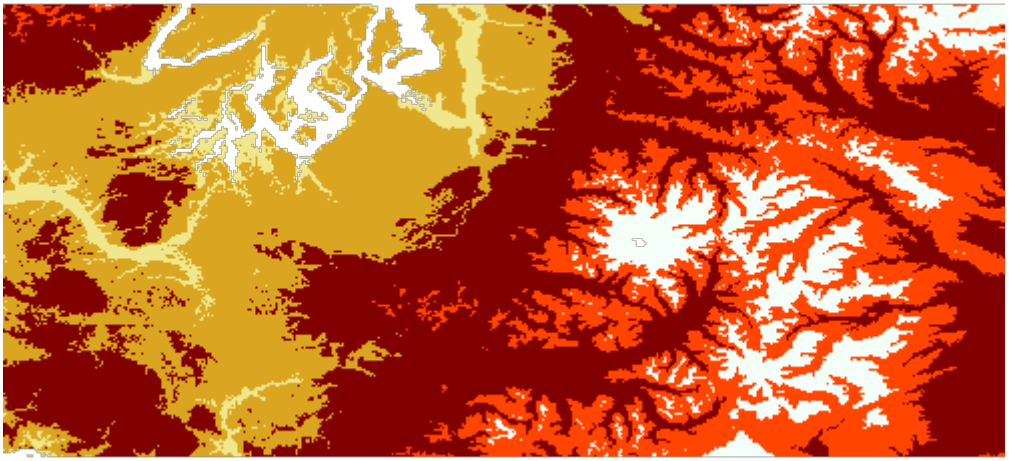
```
800,400
```

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
-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
```



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
```