

Aim: - Enhance the satellite image using Pseudocolor image processing

Step 1:Open any web browser and go to the site of earth explorer and login to the website.

Step 2:Download any landsat 8 satellite image from earth explorer.

Step 3:Before download take 4 coordinates whatever you want to take and give the date you want.

Step 4:Now, go to dataset and in landsat open landsat ARD and select landsat 4-9 C2 U.S ARD.

In additional criteria, spacecraft identifier should be landsat 8 and sensor identifier should be OLI_TIRS.

Step 5:Now , go to result and download any landsat 8 satellite image.

Step 6:Open your QGIS and go to raster menu > miscellaneous > Merge, select the “place each input file into a separate band”.

Step 7:Browse the input layers, click on add files and select any 7 image from your landsat 8 satellite image.

Step 8:Click on OK.

Step 9:Now browse the Merged > save to file and give file name as you want and click on save, then click on run.

So all the seven image files are successfully merged together.

Step 10:Now go to layer > layer properties > symbology, change render type to “multiband color” and keep changing the rest of the RGB bands according to your needs for more enhancement using Pseudocolor image processing.

Here is one more example of using Pseudocolor image processing with different bands and their respective values.