

## NDVI processing code on GEE

```
//Get image collection
var image = ee.Image('LANDSAT/LC08/C02/T1_TOA/LC08_044034_20140318');
var dataset = ee.ImageCollection('LANDSAT/LC08/C02/T1')
    .filterDate('2020-01-01', '2020-12-31');
//Reduce to median image
var median = dataset.reduce(ee.Reducer.median());
console.log(median)
//Visualize selected band
var vizParams = {
  bands: ['B5_median', 'B4_median', 'B3_median'],
  min: 0,
  max: 65535,
  gamma: [0.95, 1.1, 1]
};
//Set Center
Map.setCenter(145.1517,-37.9147, 10); // San Francisco Bay
//Visualize raster
Map.addLayer(median, vizParams, 'false color composite');
//calculate NDVI
var ndvi = median.normalizedDifference(['B5_median', 'B4_median'])
//Set projection for raster to be exported
var projection = median.select('B5_median').projection().getInfo();
//Get AOI
var geometry = ee.Geometry.Rectangle([144.16299777242301161 , -38.57018022016809766,
145.92900340044499785, -37.22393993529419731]);
//Export image to drive
Export.image.toDrive({
  image: ndvi,
  description: 'NDVI',
  crs: projection.crs,
  //crsTransform: projection.transform,
  region: geometry
});
```