var area = ee.Geometry.Polygon([[68.79423597580185,23.149738530824415],

[68.91134731151948,23.045311586378013],

[68.79423597580185,23.149738530824415],

[68.79423597580185,23.149738530824417]]);

//global water surface

var gsw = ee.Image("JRC/GSW1\_3/GlobalSurfaceWater")

//sentinel 2A dataset

var sentinel = ee.ImageCollection("COPERNICUS/S2\_SR").filterDate('2021-01-01','2022-01-01')

.filter(ee.Filter.lt('CLOUDY\_PIXEL\_PERCENTAGE',20))

.median()

var permanentwater = gsw.select('seasonality').gt(5)

Map.addLayer(permanentwater.selfMask(), {min:0, max:1, palette: ['blue']}, 'Permanent Water')

var ph = ee.Image(8.339).subtract(ee.Image(0.827).multiply(sentinel.select('B1').divide(sentinel.select('B8'))))

// Map.addLayer(ph,{'min':0,'max':14,'palette':['red','yellow','cyan']},'ph')

sentinel = sentinel.reduceRegion({

reducer: ee.Reducer.toList(),

geometry : area,

scale: 30,

maxPixels: 1e9

});

ph = ph.reduceRegion({

reducer: ee.Reducer.toList(),

geometry : area,

scale: 30,

maxPixels: 1e9

});

print(ph.getInfo())

print(sentinel.getInfo())