

```

macro "Box Creator Tool – C0a0L18f8L818f" {

    getCursorLoc(x, y, z, flags);
    setOption("ExpandableArrays", true);

    pixelCount = newArray;
    boxLength = newArray;

    factor = 27;
    start = 25;
    iteration = 1;

    for(iteration = 1; iteration < 31; iteration++) {

        run("Make Binary");
        run("Make Binary");

        makeRectangle(x - (factor/2.0)*iteration - start/2.0,
y - (factor/2.0)*iteration - start/2.0, factor*iteration + start,
factor*iteration + start);
        drawRect(x - (factor/2.0)*iteration - start/2.0, y -
(factor/2.0)*iteration - start/2.0, factor*iteration + start,
factor*iteration + start);
        run("Measure");

        pixelCount[iteration-1] = getResult("Area", nResults
- 1);
        boxLength[iteration-1] = factor*iteration + start;

    }

    run("Close");

    for( x = 0; x < pixelCount.length; x++) {
        pixelCount[x] = log(pixelCount[x]);
        boxLength[x] = log(boxLength[x]);

    }

    for( x = 0; x < pixelCount.length; x++) {
        print(pixelCount[x]);
    }

    for( x = 0; x < boxLength.length; x++) {
        print(boxLength[x]);
    }
}

```

```
        saveAs("Text", "C:/Users/thona/OneDrive/Documents/MATLAB/  
Summer Research/imageData.txt");  
    }
```