

```

1
2 // Graphic 1: The enhanced temperature gif graphic:
3 return ([ B12 * 2.5, B11 * 2.5, B04 * 2.5]);
4
5 // Graphic 2: The pre-fire and post-fire NDVI graphics:
6 var NDVI = index (B08, B04);
7 return colorBlend(NDVI, [0, 0.5, 1], [[0,0,0],[0.3, 0.6, 0],[0.4, 0.8, 0.1]]);
8
9 // Graphic 3: The highlight NDVI change map:
10 function setup (dss) {
11     // get all bands for display and analysis
12     setInputComponents([dss.B02, dss.B03, dss.B04, dss.B08]);
13     // return as RGB
14     setOutputComponentCount(3);
15 }
16
17 function filterScenes (scenes, inputMetadata) {
18     return scenes.filter(function (scene) {
19         // set dates for pre-and-post fire analysis
20         var allowedDates = ["2018-11-06", "2018-12-31"];
21         // format scene date timestamp to match allowed dates
22         var sceneDateStr = dateformat(scene.date);
23         if (allowedDates.indexOf(sceneDateStr) != -1) return true;
24         else return false;
25     });
26 }
27
28 function dateformat(d){
29     var dd = d.getDate();
30     var mm = d.getMonth()+1;
31     var yyyy = d.getFullYear();
32     if(dd<10){dd='0'+dd}
33     if(mm<10){mm='0'+mm}
34     var isodate = yyyy+'-'+mm+'-'+dd;
35     return isodate;
36 }
37
38 function evaluatePixel(samples,scenes) {
39     // get pre-fire NDVI image
40     var ndvipre = index(samples[1].B08, samples[1].B04);
41     // get post-fire NDVI image
42     var ndvipost = index(samples[0].B08, samples[0].B04);
43     // get difference
44     var difference = ndvipre - ndvipost;
45     // set output display layers
46     var NaturalColors = [2.5*samples[0].B04, 2.5*samples[0].B03, 2.8*samples[0].B02];
47     var burnModerate = [1, 204/255, 0];
48     var burnHigh = [255/255, 121/255, 77/255];
49     // classification is based on [0,0.4,0.6] for the best visual effect
50     return (difference < 0.4 ?
51     NaturalColors : (difference < 0.6 ?
52     burnModerate : burnHigh));
53 }
54

```