**Table 2.x:** One-way ANOVA evaluating the variation in upwelling duration as detected in the OISST gridded SST product between four sites within the Benguela Current region of South Africa. Comparisons are graphically captured in Figure 2.x.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | d.f. | M.S. | *F*-value | *P*-value |
| site | 3 | 67.87 | 1.165 | > 0.05 |
| residuals | 621 | 58.27 |  |  |



**Figure 2.x:** …

A one-way ANOVA indicates no significant difference in upwelling duration between sites within the South African portion of the BUS as detected in the OISST product (d.f. = 3, *F* = 1.165, *p* > 0.05) (Table 2.x, Figure 2.x).

**Table 2.y:** Nested ANOVA evaluating the variation in upwelling duration as detected in four gridded SST products (OISST, CMC, G1SST, and MUR) at several distances away from the shore and sites within the Benguela Current region of South Africa. Only the main effect due to ‘product’ is indicated. Comparisons are graphically captured in Figure 2.y.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | d.f. | M.S. | *F*-value | *P*-value |
| product | 3 | 2116.9 | 35.776 | < 0.0001 |
| residuals | 2869 | 59.1 |  |  |



**Figure 2.y:** …

The outcome of the above analysis (Table 2.y) shows that there is a significant difference in the duration of upwelling signals detected amongst the data products (nested ANOVA, d.f. = 3, *F* = 35.776, *p* < 0.0001). Write this in your own words…