|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample ID | Latitude | Longitude | N | Slope | Intercept | Tau | P-value | Total change | Total change (%) |
| S\_1 | 67.70765 | -157.404 | 22 | 0.00109 | 0.5918 | 0.181 | 0.2639 | 0.025 | 4.2 |
| S\_10 | 68.23443 | -158.416 | 23 | 0.00127 | 0.6144 | 0.091 | 0.5728 | 0.029 | 4.7 |
| S\_11 | 67.8104 | -157.097 | 21 | 0.0017 | 0.6366 | 0.105 | 0.5376 | 0.039 | 6.1 |
| S\_12 | 67.81419 | -160.017 | 23 | 0.00155 | 0.6943 | 0.108 | 0.4986 | 0.036 | 5.2 |
| S\_13 | 68.12915 | -161.226 | 23 | 0.00209 | 0.5268 | 0.541 | < 0.001 | 0.048 | 9.1 |
| S\_14 | 68.26632 | -157.32 | 23 | 0.00067 | 0.2369 | 0.403 | 0.0095 | 0.015 | 6.3 |
| S\_15 | 67.87087 | -156.911 | 22 | 0.00073 | 0.6307 | 0.01 | 0.9759 | 0.017 | 2.7 |
| S\_16 | 68.18229 | -156.824 | 23 | 0.00048 | 0.6445 | 0.065 | 0.693 | 0.011 | 1.7 |
| S\_17 | 67.64494 | -158.002 | 23 | 0.00314 | 0.6726 | 0.541 | < 0.001 | 0.072 | 10.7 |
| S\_18 | 67.94227 | -161.809 | 23 | -0.00086 | 0.7419 | -0.152 | 0.3377 | -0.02 | -2.7 |
| S\_19 | 67.76848 | -162.447 | 23 | 0.00623 | 0.5918 | 0.784 | < 0.001 | 0.025 | 4.2 |