|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **variable** | **Sens\_Slope** | **Sens\_Intercept** | **Sens\_pval** | **Sens\_z\_stat** | **Sens\_n** | **Significance** |
| IceOutDayofYear | 0.226 | -358 | 0.27 | 1.1 | 33 | NS |
| LengthOfIceCover\_days | 0 | 96 | 0.938 | -0.0776 | 33 | NS |
| IceInDayofYear | 0.268 | -171 | 0.42 | 0.807 | 33 | NS |
| MaxStability\_Jperm2 | 1.88 | -3.24e+03 | 0.00883 | 2.62 | 33 | \* |
| DayMaxStability | -0.195 | 605 | 0.485 | -0.698 | 33 | NS |
| AUC.Stability\_Jperm2day | 423 | -7.91e+05 | 4.92e-05 | 4.06 | 33 | \* |
| AUC.Stability.openwater\_Jperm2day | 388 | -7.2e+05 | 5.61e-05 | 4.03 | 33 | \* |
| StartOfStratification\_Day | -0.4 | 917 | 0.00333 | -2.94 | 33 | \* |
| EndOfStratification\_Day | 0.133 | 34.2 | 0.485 | 0.699 | 33 | NS |
| LengthOfStrat\_days | 0.667 | -1.15e+03 | 0.00958 | 2.59 | 33 | \* |
| ThermoclineSlope\_mperd | -9.01e-05 | 0.209 | 0.411 | -0.821 | 33 | NS |
| SurfaceWaterTemp\_Summer\_degC | 0.0381 | -53.6 | 0.00308 | 2.96 | 33 | \* |
| DeepWaterTemp\_Summer\_degC | -0.0515 | 110 | 0.00013 | -3.83 | 33 | \* |
| SurfaceWaterTemp\_StratifiedPeriod\_degC | 0.00737 | 4.54 | 0.62 | 0.496 | 33 | NS |
| DeepWaterTemp\_StratifiedPeriod\_degC | -0.0499 | 106 | 0.000582 | -3.44 | 33 | \* |
| SurfaceWaterTemp\_Spring\_degC | 0.0392 | -66.3 | 0.0313 | 2.15 | 33 | \* |
| DeepWaterTemp\_Spring\_degC | -0.0304 | 65.9 | 0.000773 | -3.36 | 33 | \* |
| SurfaceWaterTemp\_SpringMixed\_degC | -0.00294 | 13.5 | 0.901 | -0.124 | 33 | NS |
| DeepWaterTemp\_SpringMixed\_degC | -0.0238 | 52.5 | 0.0156 | -2.42 | 33 | \* |
| SurfaceWaterTemp\_SpringPostIce\_degC | 0.0711 | -136 | 0.00806 | 2.65 | 33 | \* |
| DeepWaterTemp\_SpringPostIce\_degC | -0.0101 | 24.8 | 0.0567 | -1.91 | 33 | NS |
| DeltaSurfaceDeepTemp\_slope\_degCpDay | 0.00222 | -4.25 | 0.598 | 0.527 | 33 | NS |
| DeltaSurfaceDeepTemp\_intercept\_degC | -0.189 | 363 | 0.733 | -0.341 | 33 | NS |
| DateMaxStability | 365 | -7.19e+05 | 1.72e-14 | 7.67 | 33 | \* |
| SurfaceWaterTemp\_PeakStratification\_degC | 0.05 | -74.8 | 0.0106 | 2.56 | 33 | \* |
| DeepWaterTemp\_PeakStratification\_degC | -0.0495 | 106 | 0.000107 | -3.87 | 33 | \* |
| MixingAction\_gigaJday | 0.0292 | -54.6 | 4.92e-05 | 4.06 | 33 | \* |
| MixingAction.OpenWater\_gigaJday | 0.0268 | -49.7 | 5.61e-05 | 4.03 | 33 | \* |
| NAO\_Spring | -0.00968 | 19.5 | 0.104 | -1.63 | 33 | NS |
| NAO\_Summer | -0.0139 | 27.8 | 0.0267 | -2.22 | 33 | \* |
| NAO\_StratifiedPeriod | -0.0093 | 18.6 | 0.0144 | -2.45 | 33 | \* |
| NAO\_SpringMixed | 0.0136 | -27.1 | 0.278 | 1.08 | 33 | NS |
| ENSO\_Spring | 0.00134 | -2.6 | 0.889 | 0.139 | 33 | NS |
| ENSO\_Summer | -0.00708 | 14.1 | 0.546 | -0.604 | 33 | NS |
| ENSO\_MEI\_Spring\_mean | -0.00967 | 19.1 | 0.535 | -0.62 | 33 | NS |
| ENSO\_MEI\_Spring\_sum | -0.029 | 57.3 | 0.535 | -0.62 | 33 | NS |
| ENSO\_MEI\_Summer\_mean | -0.0224 | 44.8 | 0.271 | -1.1 | 33 | NS |
| ENSO\_MEI\_Summer\_sum | -0.0671 | 134 | 0.271 | -1.1 | 33 | NS |
| ENSO\_MEI\_Winter\_mean | -0.0171 | 34.1 | 0.486 | -0.697 | 33 | NS |
| ENSO\_MEI\_Winter\_sum | -0.102 | 204 | 0.486 | -0.697 | 33 | NS |
| GlobalTempAnomoly\_C | 0.0189 | -37.3 | 3.37e-09 | 5.91 | 33 | \* |
| SecchiDepth\_Summer\_m | 0.03 | -54.3 | 0.0748 | 1.78 | 33 | NS |
| SecchiDepth\_StratifiedPeriod\_m | 0.0375 | -68.9 | 0.0237 | 2.26 | 33 | \* |
| SecchiDepth\_Spring\_m | 0.0283 | -50.4 | 0.258 | 1.13 | 33 | NS |
| SecchiDepth\_SpringMixed\_m | -0.00487 | 15.4 | 0.975 | -0.031 | 33 | NS |
| VolumeWeightedMeanTemp\_Summer\_degC | -0.0193 | 53.4 | 0.0567 | -1.91 | 33 | NS |
| VolumeWeightedMeanTemp\_StratifiedPeriod\_degC | -0.0308 | 74.7 | 0.0156 | -2.42 | 33 | \* |
| VolumeWeightedMeanTemp\_Spring\_degC | 0.00655 | -4.56 | 0.792 | 0.263 | 33 | NS |
| VolumeWeightedMeanTemp\_SpringMixed\_degC | -0.0144 | 35.4 | 0.121 | -1.55 | 33 | NS |
| VolumeWeightedMeanTemp\_SpringPostIce\_degC | 0.0223 | -39.2 | 0.0973 | 1.66 | 33 | NS |
| AirTemp\_Summer\_degC | 0.0431 | -65 | 0.0193 | 2.34 | 33 | \* |
| AirTemp\_StratifiedPeriod\_degC | 0.0074 | 3.3 | 0.515 | 0.651 | 33 | NS |
| AirTemp\_Spring\_degC | 0.0154 | -17.7 | 0.394 | 0.852 | 33 | NS |
| AirTemp\_SpringMixed\_degC | 0.0569 | -103 | 0.252 | 1.15 | 33 | NS |
| AirTemp\_SpringPostIce\_degC | 0.173 | -337 | 0.00184 | 3.11 | 33 | \* |
| Precip\_Summer\_mm | -0.968 | 2.3e+03 | 0.676 | -0.418 | 33 | NS |
| Precip\_StratifiedPeriod\_mm | 3.86 | -7e+03 | 0.42 | 0.806 | 33 | NS |
| Precip\_Spring\_mm | 1.02 | -1.74e+03 | 0.412 | 0.821 | 33 | NS |
| Precip\_SpringMixed\_mm | -2.41 | 4.89e+03 | 0.03 | -2.17 | 33 | \* |
| Precip\_SpringPostIce\_degC | -0.0391 | 92 | 0.756 | -0.31 | 33 | NS |