| **Dataset** | **Term** | **DF** | **Variance** | **% Variance** | **T** | ***p*** |
| --- | --- | --- | --- | --- | --- | --- |
| All | Latitude | 1 | 834 | 7.7% | 7.7 | **< 0.001** |
| Depth | 1 | 356 | 3.3% | 3.3 | **0.002** |
| log10(Size\_Class) | 1 | 1953 | 18.0% | 18.0 | **< 0.001** |
| Residual | 71 | 7714 | 71.1% |  |  |
| Particle Associated | Latitude | 1 | 782 | 8.4% | 8.5 | **< 0.001** |
| Depth | 1 | 349 | 3.7% | 3.8 | **0.002** |
| log10(Size\_Class) | 1 | 2532 | 27.1% | 27.6 | **< 0.001** |
| Residual | 62 | 5694 | 60.9% |  |  |
| ≥ 5 Micron Particles | Latitude | 1 | 536 | 9.9% | 8.3 | **< 0.001** |
| Depth | 1 | 261 | 4.8% | 4.0 | **0.001** |
| log10(Size\_Class) | 1 | 1199 | 22.0% | 18.5 | **< 0.001** |
| Residual | 53 | 3444 | 63.3% |  |  |