| **Dataset** | **Term** | **DF** | **Variance** | **% Variance** | **T** | ***p*** |
| --- | --- | --- | --- | --- | --- | --- |
| All | Latitude | 1 | 837 | 3.3% | 7.3 | **< 0.001** |
| Depth | 1 | 378 | 1.5% | 3.3 | **0.002** |
| √Size Class | 1 | 1538 | 6.0% | 13.4 | **< 0.001** |
| Residual | 71 | 8128 | 31.7% |  |  |
| Particle Associated | Latitude | 1 | 771 | 3.0% | 7.3 | **< 0.001** |
| Depth | 1 | 349 | 1.4% | 3.3 | **0.005** |
| √Size Class | 1 | 1714 | 6.7% | 16.3 | **< 0.001** |
| Residual | 62 | 6513 | 25.4% |  |  |
| ≥ 5 Micron Particles | Latitude | 1 | 533 | 2.1% | 7.5 | **< 0.001** |
| Depth | 1 | 260 | 1.0% | 3.7 | **0.002** |
| √Size Class | 1 | 898 | 3.5% | 12.7 | **< 0.001** |
| Residual | 53 | 3745 | 14.6% |  |  |