**Table 1.** **Coccolith mass estimates of dominant/subdominant species.**  Average coccolith length in micrometres (µm) and CaCO3 mass estimates (pg) of coccolithophore species from the Southern Ocean study by Hernández et al., (2020) incorporating both birefringence (B) and morphometric (M) approaches. From the average length listed for *Gephyrocapsa* spp. this was assumed to include *G. muellerae.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Species** | **Calcite measurement approach** | **Average Length (µm)** | **SD** | **Average Mass CaCO3 (pg)** | **SD** |
|  |
| *Calcidiscus leptoporus* | B | 6.39 | 1.49 | 33.65 | 21.11 |  |
| M | 6.39 | 1.49 | 66.23 | 53.28 |  |
| *Coccolithus pelagicus* spp. *braarudii* | B | 13.28 | 1.14 | 170.9 | 32.33 |  |
| M | 13.28 | 1.14 | 387.96 | 99.64 |  |
| *Emiliania huxleyi* | B | 2.78 | 0.57 | 2.64 | 1.43 |  |
| M | 2.78 | 0.57 | 1.81 | 0.60-1.60 |  |
| *Gephyrocapsa oceanica* | B | 5.87 | 0.62 | 26.7 | 5.64 |  |
| M | 5.87 | 0.62 | 28.14 | 8.97 |  |
| *Gephyrocapsa* spp. | B | 4.03 | 0.59 | 9 | 2.51 |  |
| M | 4.03 | 0.59 | 9.33 | 3.84 |  |
| *Helicosphaera carteri* | B | 11.2 | 1.12 | 100.1 | 20.34 |  |
| M | 11.2 | 1.12 | 194.95 | 56.45 |  |
| *Syracosphaera spp.* | B | 6.77 | 1.09 | 17.77 | 6.8 |  |
| M | 6.77 | 1.09 | 26.94 | 11.16 |  |