Table S1: Monitoring data of 14 days prior to the incubations.

Minimum, maximum, average and standard error of the monitored variables and calculated variables (pCO2, DIC and Ωaragonite and Ωcalcite) in the tanks of the different experiments.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month |  | February | February | April | April |
| pHTR |  | A | C | A | C |
| pH | min | 7.59 | 7.84 | 7.67 | 8.04 |
|  | max | 8.01 | 8.07 | 7.76 | 8.11 |
|  | average | 7.68 | 7.99 | 7.73 | 8.07 |
|  | se | 0.11 | 0.07 | 0.03 | 0.03 |
| Temperature (°C) | min | 5.9 | 5.8 | 9.5 | 9.3 |
|  | max | 6.3 | 6.3 | 9.7 | 9.7 |
|  | average | 6.1 | 6.0 | 9.6 | 9.5 |
|  | se | 0.1 | 0.1 | 0.1 | 0.1 |
| Salinity | min | 31.70 | 31.90 | 30.60 | 30.90 |
|  | max | 34.00 | 34.00 | 31.10 | 31.90 |
|  | average | 32.33 | 32.65 | 30.87 | 31.39 |
|  | se | 0.78 | 0.67 | 0.18 | 0.35 |
| [O2] (µmol l-1) | min | 280.60 | 296.60 | 264.90 | 288.90 |
|  | max | 320.80 | 317.60 | 290.10 | 301.30 |
|  | average | 293.65 | 312.28 | 274.03 | 293.50 |
|  | se | 13.81 | 6.72 | 8.22 | 3.95 |
| AT (µmol kg-1) | min | 2822.01 | 2799.93 | 2703.38 | 2646.09 |
|  | max | 3034.67 | 2972.55 | 2807.72 | 2749.82 |
|  | average | 2909.52 | 2849.30 | 2744.16 | 2696.80 |
|  | se | 66.90 | 58.24 | 36.54 | 43.20 |
| pCO2 (µatm) | min | 533.57 | 458.93 | 1027.50 | 400.46 |
|  | max | 1618.92 | 841.44 | 1297.67 | 475.56 |
|  | average | 1381.38 | 571.91 | 1132.81 | 439.61 |
|  | se | 327.51 | 122.23 | 104.18 | 28.49 |
| DIC (µmol kg-1) | min | 2501.98 | 2478.31 | 2552.91 | 2322.07 |
|  | max | 2878.29 | 2679.95 | 2650.96 | 2409.27 |
|  | average | 2770.55 | 2542.70 | 2601.18 | 2367.06 |
|  | se | 113.29 | 67.19 | 38.05 | 30.12 |
| Ωaragonite | min | 1.73 | 2.85 | 1.86 | 3.75 |
|  | max | 3.95 | 4.34 | 2.28 | 4.46 |
|  | average | 2.15 | 3.86 | 2.12 | 4.08 |
|  | se | 0.66 | 0.47 | 0.15 | 0.25 |
| Ωcalcite | min | 2.64 | 4.33 | 2.85 | 5.75 |
|  | max | 6.01 | 6.62 | 3.49 | 6.82 |
|  | average | 3.28 | 5.88 | 3.25 | 6.24 |
|  | se | 1.00 | 0.72 | 0.23 | 0.37 |