

Dataset: *Synechococcus elongatus* CCMP1629 in nitrate-limited and nutrient-replete cultures
Landing page: <https://www.bco-dmo.org/dataset/811093>

Table 1. Characteristics of seawater with a total alkalinity of 2365 meq L⁻¹ as a function of pCO₂ and temperature based on equations in Zeebe and Wolf-Gladrow, CO₂ in Seawater: Equilibrium, Kinetics, Isotopes (2001)

pCO ₂ (ppm)	Temperature (°C)	pH	Dissolved CO ₂ (μM)	Bicarbonate (mM)	Carbonate (μM)
400	10	8.058	17.55	2.00	148
400	15	8.062	14.98	1.93	177
400	20	8.060	12.96	1.86	208
400	25	8.053	11.36	1.79	240
400	30	8.042	10.07	1.71	271
400	32	8.037	9.63	1.68	283
1000	10	7.700	43.88	2.19	71
1000	15	7.710	37.46	2.15	88
1000	20	7.716	32.41	2.11	107
1000	25	7.717	28.39	2.06	127
1000	30	7.713	25.17	2.01	149
1000	32	7.711	24.06	1.99	158