

Irradiance ( $\mu\text{E m}^{-2} \text{s}^{-1}$ )	PON ( $\mu\text{M L}^{-1}$ )	Particulate NF rate ( $\text{nM L}^{-1} \text{d}^{-1}$ )	Dissolved NF rate ( $\text{nM L}^{-1} \text{d}^{-1}$ )	POC ( $\mu\text{M L}^{-1}$ )	Particulate CF rate ( $\mu\text{M L}^{-1} \text{d}^{-1}$ )	NF / CF	C / N	Carbon consumption ( $\mu\text{M L}^{-1}$ )
Initial condition	2.1 (0.0)	–	–	13.4 (0.1)	–	–	6.4 (0)	–
1349	2.5 (0.19)	391 (20)	32 (1.3)	17.3 (1.2)	3.6 (0.19)	9.3 (1.0)	7.0 (0.1)	–0.29 (1.0)
1349 (< 10 $\mu\text{m}$ -a)	0.55 (0.05)	25.1 (3.2)	–	4.1 (0.2)	0.28 (0.03)	11.6 (1.0)	7.5 (0.1)	–
1349 (< 10 $\mu\text{m}$ -b)	0.5 (0.1)	6.5 (1.6)	–	–	–	–	–	–
792	2.3 (0.07)	430 (39)	47 (6.2)	15.7 (0.13)	3.4 (0.1)	7.8 (0.7)	6.8 (0.2)	1.04 (0.12)
410	2.5 (0.09)	401 (40)	54 (7.8)	15.8 (0.87)	2.9 (0.08)	7.4 (0.6)	6.3 (0.1)	0.53 (0.79)
211	2.4 (0.25)	235 (10)	50 (15)	13.9 (0.93)	2.0 (0.07)	8.6 (0.5)	5.9 (0.3)	1.53 (0.90)
129	2.3 (0.09)	85 (23)	13 (3.3)	12.6 (0.28)	0.98 (0.26)	11.6 (0.5)	5.6 (0.4)	1.80 (0.53)
15	2.1 (0.22)	27 (8)	7.7 (0.35)	10.9 (1.0)	0.44 (0.08)	16.8 (3.2)	5.3 (0.1)	2.88 (0.97)