

Supplement of Biogeosciences, 13, 2179–2194, 2016
<http://www.biogeosciences.net/13/2179/2016/>
doi:10.5194/bg-13-2179-2016-supplement
© Author(s) 2016. CC Attribution 3.0 License.



Supplement of

**Effects of in situ CO₂ enrichment on structural characteristics,
photosynthesis, and growth of the Mediterranean seagrass
*Posidonia oceanica***

T. Erin Cox et al.

Correspondence to: T. Erin Cox (erincox@hawaii.edu)

The copyright of individual parts of the supplement might differ from the CC-BY 3.0 licence.

1 **Supplementary Information**

2 **Table S1.** Mean (\pm SD) temperature, salinity, oxygen, and PAR for the reference plot (ambient) and within the control and
 3 experimental enclosures for each month before and during the acidification period.

4

Month in <i>Period</i>	N Samples	Temp (°C)						Salinity						Oxygen (μ mol O ₂ kg ⁻¹)						n days	PAR (mol photons m ⁻² d ⁻¹)						
		Reference		Control		Experimental		Reference		Control		Experimental		Reference		Control		Experimental			Reference	Control		Experimental			
		Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
<i>Before</i>																											
May	11840	17.7	0.5	17.8	0.4	17.8	0.4	37.76	0.06	37.72	0.06	37.76	0.06	254	14	250	27	251	29	8-12	5.36	2.27	6.13	2.25	5.41	1.64	
June	8119	18.7	0.7	18.7	0.7	18.7	0.7	37.81	0.04	37.77	0.04	37.80	0.04	266	21	266	31	270	34	9-10	7.70	0.65	7.27	0.88	6.22	0.71	
<i>Acidification</i>																											
June	6226	22.0	0.5	22.0	0.5	22.1	0.5	37.90	0.03	37.85	0.04	37.89	0.03	246	21	246	33	248	33	6	4.65	3.25	6.75	1.55	6.15	1.25	
July	21007	22.9	0.5	23.0	0.5	23.0	0.5	37.89	0.04	37.84	0.04	37.91	0.05	231	18	233	33	233	34	24-25	6.15	1.47	6.21	1.28	4.99	1.40	
August	22682	24.1	0.7	24.2	0.7	24.2	0.7	37.93	0.03	37.89	0.03	37.99	0.03	216	16	212	28	215	30	26-28	5.63	0.72	5.87	0.90	5.36	0.79	
September	21854	23.2	0.4	23.2	0.4	23.3	0.3	37.98	0.06	38.03	0.13	38.09	0.09	210	14	206	23	205	23	25-26	4.37	1.27	4.23	1.39	4.11	1.12	
October	22420	22.5	0.6	22.5	0.6	22.5	0.6	37.93	0.11	38.09	0.03	38.16	0.04	205	9	197	13	195	17	28	2.55	0.63	2.07	0.51	1.95	0.48	
November	5377	20.5	0.4	20.6	0.5	20.5	0.5	37.90	0.11	38.03	0.07	37.64	0.08	211	6	198	13	193	33	5	1.78	1.03	1.30	0.84	1.40	0.93	
Before	24334	18.5	1.2	18.5	1.1	18.1	1.1	37.79	0.06	37.75	0.06	37.79	0.06	258	19	254	31	258	32	20-27	6.61	1.84	6.45	2.09	5.61	1.47	
Acidification	95711	23.1	0.9	23.1	0.9	23.1	0.9	37.93	0.06	37.96	0.13	38.02	0.12	217	19	213	30	213	32	113-116	4.56	1.85	4.60	2.07	4.11	1.73	