

Supplementary Data 1—Carbon isotopic values of dissolved inorganic carbon of pore water at all five sites (Torres and Kastner, 2009).

Site	Depth (mbsf)	$\delta^{13}\text{C}$ (PDB)
1325D	1.4	-17.71
	2.9	-21.39
	4.3	-19.61
	4.4	-12.83
1325B	89.58	8.42
	105.05	8.85
	109.63	9.27
	114.4	8.73
	114.7	9
	124	9.44
	126.05	8.83
	127.85	9.13
	133.66	8.56
	156.54	10.05
	171.6	9.67
1325C	182.97	8.83
	185.39	9.26
	190	9
	198.4	6.33
	210.13	6.77
	221.27	5.59
	228.7	7.34
	231.89	6.01
	238.92	5.27
	240.65	6.06
	249	6.27
	259.65	5.51
	263.1	5.63
	268.67	7.43
297.09	6.32	
297.09	6.44	
1326C	0.65	-23.05
	1.35	-32.27
	2.15	-36.93
	2.85	-33.86
	3.6	-28.87
	5.25	-17.88
	6.05	-13.67
	6.75	-10.4
	7.5	-7.73
	8.25	-5.27
	9.05	-3.42
11.25	0.72	
12.75	3.07	
16.25	6.35	

	19.25	6.73
	25.7	6.18
	42.75	3.16
	50.63	-0.95
	53.27	-1.85
	70.6	-4
	72.76	-4.28
	80.2	-2.49
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	91.15	2.93
	95.44	2.18
	103.21	3.15
	103.5	6.2
	111.1	6.42
	114.37	5.15
	122.69	7.29
	132.03	8.47
	148.16	11.87
	156.74	11.85
	158.46	9.62
	168.07	10.75
	172.02	8.1
	175.58	6.32
1326D	179.69	8.49
	185.55	5.62
	188.55	5.83
	188.55	6.47
	198.6	4.51
	206.85	3.05
	208.5	5.26
	219.86	3.57
	226.3	1.33
	228.9	1.2
	235.9	3.94
	244.61	5.12
	253.61	5.78
	265.54	5.22
	268.04	2.3
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	1.5	-18.09
	4.5	-30.75
	126.7	12.31
1327C	175.7	27.16
	219.7	27.16
	224	27.38
	232.1	25.83
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	0.3	-4.57
	1.4	-18.29
	1.8	-20.36
	2.1	-23.78
	2.4	-25.11

1327D	2.9	-26.37
	3.5	-28.75
	3.7	-29.46
	4.8	-31.57
	5.9	-33.47
	8.3	-30.45
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	0.5	-3.86
	1.5	-16.93
	2.3	-56.75
1328B	3	-48.32
	5.4	8.3
	5.9	-51.14
	7.4	-46.86
	14.9	-3.02
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1328D	5.9	-51.14
	7.4	-46.86
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	1.4	-10.83
	4.4	-16.95
	7.4	-24.36
	9.5	-23.78
	12.5	-16.26
	15.5	-12.24
	17.84	-10.51
	20.45	-8.54
	23.45	-5.92
	26.45	-3.09
	29.8	1.73
	34.3	6.21
	39.4	12
	43.9	14.62
	47.45	16.68
	53.45	19.77
	55.85	21.64
	60.45	23.99
1329C	64.95	25.6
	69.95	28.62
	74.4	30.42
	79.4	30.88
	83.9	31.03
	88.9	32.42
	93.4	33.1
	98.28	33.63
	102.88	33.25
	107.9	33.28
	112.4	33.24
	119.4	33.01
	123.9	31.81
	128.9	31.31
133.4	31.45	

	138.35	32.76
	139.85	31.74
	152.6	32.47
	162.3	31.95
	176.3	29.86
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	1.4	-11.34
	2.9	-14.76
	4.4	-17.57
	6.35	-22.05
	7.85	-24.26
1329E	9.35	-25.29
	10.85	-20.81
	12.35	-17.07
	13.85	-14.6
	24.13	-4.91
	73.5	27.89
	125.18	29.94
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