

Depth	$\delta^{13}\text{C}_{\text{calcite}}$	$\delta^{18}\text{O}_{\text{calcite}}$	$\delta^{13}\text{C}_{\text{ostracod}}$	$\delta^{18}\text{O}_{\text{ostracod}}$	TOC	TN	C/N	$\delta^{13}\text{C}_{\text{org}}$	Mean grainsize(μm)	Depth	Mg/Ca	Sr/Ca
0.0 - 0.5	-3.2	-2.2							250	8.5 - 9.0	1.0E-002	2.4E-003
0.5 - 1.0	-2.8	-2.1			0.1	0.4	6.5	-23.1	237	9.0 - 9.5	8.9E-003	3.2E-003
1.0 - 1.5	-2.7	-2.1			0.0	0.3	6.7	-21.6	250	9.5 - 10.0	6.1E-003	2.5E-003
1.5 - 2.0	-2.4	-2.2			0.1	0.5	7.2	-21.5	229	10 - 11	1.0E-002	3.1E-003
2.0 - 2.5	-2.7	-2.1			0.1	0.6	7.0	-22.0	221	12 - 13	7.7E-003	3.0E-003
2.5 - 3.0	-2.3	-1.7			0.1	0.5	7.0	-21.7	196	13 - 14	7.8E-003	3.0E-003
3.0 - 3.5	-2.5	-2.1			0.1	0.4	7.4	-21.5	169	14 - 15	6.3E-003	2.9E-003
3.5 - 4.0	-2.2	-1.6			0.1	0.7	7.1	-21.4	157	15 - 16	8.6E-003	3.5E-003
4.0 - 4.5	-1.7	-1.1			0.1	0.7	7.6	-21.8	212	16 - 17	8.9E-003	3.0E-003
4.5 - 5.0	-2.0	-0.9			0.2	1.4	7.9	-21.6	203	17 - 18	5.3E-003	2.6E-003
5.0 - 5.5	-1.5	-1.1			0.1	1	8.0	-22.3	205	18 - 19	7.0E-003	2.4E-003
5.5 - 6.0	-1.4	-0.9			0.1	0.8	7.9	-22.2	185	19 - 20	5.4E-003	2.2E-003
6.0 - 6.5	-1.8	-1.0			0.1	1	8.2	-21.9	203	20 - 21	5.4E-003	2.3E-003
6.5 - 7.0	-2.1	-1.0			0.1	0.5	7.7	-22.2	227	21 - 22	5.8E-003	2.3E-003
7.0 - 7.5	-2.1	-0.8			0.1	0.5	7.5	-22.5	209	22 - 23	5.6E-003	3.1E-003
7.5 - 8.0	-2.3	-1.0			0.0	0.3	7.5	-22.4	235	23 - 24	6.0E-003	2.3E-003
8.0 - 8.5	-2.0	-2.1			0.0	0.1	6.8	-22.7	223	24 - 25	4.6E-003	2.8E-003
8.5 - 9.0	-2.3	-1.1			0.0	0.3	7.6	-22.5	224	25 - 26	6.4E-003	2.8E-003
9.0 - 9.5	-2.3	-1.8			0.1	0.5	8.5	-22.2	207	26 - 27	1.4E-002	2.7E-003
9.5 - 10	-2.4	-2.8			0.0	0.3	10.0	-22.6	220	27 - 28	7.2E-003	2.5E-003
10 - 11	-3.0	-2.9			0.0	0.2	7.7	-21.0	221	28 - 29	8.1E-003	2.4E-003
11 - 12	-3.0	-4.0			0.0	0.2	7.7	-21.8	234	29 - 30	7.3E-003	3.0E-003
12 - 13	-3.2	-4.8			0.0	0.3	9.2	-21.5	232	30 - 31	7.2E-003	3.4E-003
13 - 14	-4.6	-3.8			0.0	0.3	9.8	-21.2	236	33 - 34	5.57E-003	3.2E-003
14 - 15	-3.3	-3.7			0.1	0.5	9.0	-21.2	218	34 - 35	5.50E-003	2.7E-003
15 - 16	-3.1	-4.9			0.1	0.5	9.2	-20.9	298	35 - 36	5.28E-003	2.9E-003
16 - 17	-3.3	-5.1			0.0	0.3	8.8	-21.2	217	36 - 37	7.05E-003	2.6E-003
17 - 18	-2.9	-5.9			0.0	0.3	8.4	-21.6	212	37 - 38	6.10E-003	2.8E-003
18 - 19	-2.7	-6.2			0.0	0.3	8.5	-21.7	218	38 - 39	7.02E-003	2.8E-003
19 - 20	-2.7	-7.2			0.0	0.3	8.8	-21.4	223	39 - 40	7.69E-003	3.8E-003
20 - 21	-3.4	-5.2			0.0	0.4	8.9	-21.4	225	40 - 41	5.56E-003	3.5E-003
21 - 22	-3.4	-4.2			0.0	0.4	8.8	-20.9	226	41 - 42	5.40E-003	3.4E-003
22 - 23					0.1	0.5	9.4	-19.8	227	42 - 43	5.29E-003	4.0E-003
23 - 24	-4.0	-7.0			0.1	0.9	10.2	-20.4	224	43 - 44	5.42E-003	3.24E-003
24 - 25	-4.0	-6.5			0.0	0.5	9.5	-20.6	224	44 - 45	7.76E-003	3.88E-003
25 - 26	-3.4	-5.9			0.0	0.4	8.2	-21.1	222	45 - 46	7.88E-003	3.47E-003
26 - 27	-3.4	-5.6			0.0	0.1	7.5	-20.9	219	46 - 47	6.62E-003	3.37E-003
27 - 28	-3.4	-4.8			0.0	0.3	8.5	-21.5	217	47 - 48	7.23E-003	3.42E-003
28 - 29	-3.1	-6.6			0.0	0.3	7.6	-22.2	225	48 - 49	8.35E-003	2.99E-003
29 - 30	-3.0	-5.4			0.0	0.2	7.7	-22.4	235	49 - 50	1.92E-002	3.77E-003
30 - 31	-2.7	-5.3			0.0	0.3	8.6	-22.3	237	50 - 51	8.45E-003	3.53E-003
31 - 32	-2.9	-4.4			0.0	0.2	9.4	-23.1	234	51 - 52	6.53E-003	3.43E-003
32 - 33	-2.7	-4.1			0.0	0.2	8.9	-23.2	242	52 - 53	1.69E-002	2.95E-003
33 - 34	-2.7	-3.8			0.0	0.3	9.3	-22.8	245	53 - 54	9.76E-003	3.19E-003
34 - 35	-2.7	-3.9			0.0	0.3	9.3	-21.9	234	54 - 55	7.22E-003	3.36E-003

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35 - 36	-2.5	-3.8			0.0	0.1	8.3	-20.4	237	55 - 56	9.42E-003	3.22E-003
36 - 37	-2.5	-4.6			0.0	0.2	8.3	-19.8	238	56 - 57	6.69E-003	3.22E-003
37 - 38	-2.5	-3.9			0.0	0.2	8.2	-20.1	234	57 - 58	7.96E-003	3.42E-003
38 - 39	-3.0	-3.1			0.0	0.3	9.0	-19.0	231	58 - 59	7.66E-003	4.33E-003
39 - 40	-3.2	-3.2			0.1	0.5	8.6	-18.6	233	59 - 60	7.43E-003	3.25E-003
40 - 41	-3.5	-3.2			0.1	0.6	8.7	-18.8	234	60 - 61	9.23E-003	3.07E-003
41 - 42	-3.3	-2.6			0.0	0.2	8.7	-19.6	239	61 - 62	1.12E-002	3.38E-003
42 - 43	-3.2	-3.0			0.0	0.2	9.2	-19.4	231	62 - 63	7.91E-003	3.20E-003
43 - 44	-3.3	-2.7			0.0	0.3	9.8	-19.3	229	63 - 64	6.71E-003	3.08E-003
44 - 45	-3.8	-2.5			0.0	0.4	9.4	-18.3	235	64 - 65	9.32E-003	3.42E-003
45 - 46	-3.7	-2.7			0.0	0.3	9.7	-17.5	226	65 - 66	7.62E-003	3.24E-003
46 - 47	-3.8	-3.0			0.0	0.4	9.5	-18.4	226	66 - 67	8.11E-003	3.12E-003
47 - 48	-3.5	-2.0			0.0	0.3	9.7	-17.9	229	67 - 68	8.52E-003	3.08E-003
48 - 49	-3.8	-2.5			0.0	0.4	10.1	-17.3	231	68 - 69	2.22E-002	2.82E-003
49 - 50	-3.5	-2.9			0.0	0.3	10.9	-15.4	232	70 - 71	3.31E-002	3.77E-003
50 - 51	-3.9	-2.1			0.0	0.3	9.5	-18.7	237	71 - 72	1.32E-002	3.60E-003
51 - 52	-4.2	-1.6	-6.9	+0.6	0.0	0.8	22.5	-10.8	232			
52 - 53	-5.0	-1.4	-7.6	+0.8	0.0	0.4	8.8	-19.8	236			
53 - 54	-4.5	-1.4	-6.9	+1.2	0.0	0.2	8.5	-19.9	237			
54 - 55	-4.4	-1.8	-8.1	+0.4	0.0	0.3	8.1	-19.8	235			
55 - 56	-2.9	-3.8	-7.2	+0.2	0.0	0.3	8.8	-20.1	250			
56 - 57	-3.6	-4.2	-6.0	-0.5					250			
57 - 58	-3.0	-4.3	-7.0	+0.3	0.0	0.1	8.1	-22.4	255			
58 - 59	-2.5	-4.6			0.0	0.3	11.4	-21.4	231			
59 - 60	-2.3	-4.2			0.0	0.3	8.7	-18.8	241			
60 - 61	-3.7	-2.7			0.0	0.1	8.2	-12.6	250			
61 - 62	-3.7	-2.8			0.1	0.7	13.7	-12.4	221			
62 - 63	-2.7	-3.5			0.0	0.1	9.1	-19.0	242			
63 - 64	-3.0	-2.7			0.0	0.2	8.3	-18.5	233			
64 - 65	-3.6	-2.4			0.1	0.5	9.3	-19.4	240			
65 - 66	-3.7	-2.9			0.0	0.6	15.2	-11.4	219			
66 - 67	-3.3	-2.7			0.0	0.3	8.4	-19.1	229			
67 - 68	-4.0	-2.8			0.1	0.5	9.1	-18.7	231			
68 - 69	-3.9	-2.8			0.0	0.4	8.9	-18.6	229			
69 - 70	-4.6	-2.3			0.0	0.6	12.6	-15.5	226			
70 - 71	-3.8	-3.1			0.0	0.2	8.7	-18.2	231			
71 - 72	-4.0	-2.8			0.0	0.1	8.2	-18.9	221			