

APPENDIX D.

Biogenic Silica Data

Note: Corrected depths for cores at the RR site are corrected to the depth scale of RR98-8, using the correlations shown in Figure 3 and Table 2.

Table D1. Biogenic Silica for core PTMC-3

Depth average (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
1	7.09	1.06	11.24	8.28
7	6.25	1.04	10.07	7.12
11	7.38	1.12	11.82	8.66
17	6.50	1.00	10.35	7.55
21	6.52	0.96	10.36	7.68
27	5.54	0.94	8.76	6.14
31	5.60	0.98	8.98	6.22
37	5.78	0.97	9.15	6.44
41	5.65	0.96	8.94	6.28
47	5.90	1.01	9.34	6.53
51	6.14	0.98	9.76	7.00
57	5.33	0.85	8.45	6.08
61	5.84	0.96	9.31	6.61
67	5.54	0.95	8.80	6.13
71	5.87	0.94	9.41	6.76
77	5.55	0.95	8.90	6.22
81	5.70	0.93	9.13	6.50
87	5.51	0.91	8.71	6.19
91	5.34	0.93	8.43	5.84
97	5.51	0.92	8.84	6.23
101	5.52	0.90	8.88	6.34
105	5.60	0.93	8.86	6.26
111	5.26	0.96	8.36	5.67
117	5.29	1.00	8.44	5.63
121	5.55	1.03	8.92	6.01
127	5.41	1.03	8.70	5.79
131	6.07	0.92	9.81	7.21
137	5.92	0.95	9.50	6.82
141	6.49	0.94	10.47	7.80
147	6.40	0.93	10.33	7.69
151	6.27	0.82	10.10	7.77
157	5.52	0.78	8.84	6.63
161	6.03	0.91	9.67	7.11
167	6.50	0.84	10.36	7.99
171	6.21	0.87	9.95	7.50
177	6.67	0.82	10.68	8.37
181	6.85	0.82	11.01	8.68
187	6.20	0.87	9.84	7.41
191	6.12	0.82	9.74	7.45
199	6.13	0.90	9.90	7.33
211	7.05	0.84	11.20	8.84
217	6.03	0.81	9.66	7.37
221	6.09	0.84	9.66	7.30
225	6.10	0.84	9.72	7.37
231	6.51	0.85	10.30	7.94
237	6.40	0.89	10.15	7.66
241	6.20	0.84	9.86	7.51
247	6.07	0.82	9.64	7.34
257	6.38	0.86	10.14	7.75
261	6.03	0.82	9.63	7.31
267	6.85	0.89	10.96	8.47
271	6.80	0.98	10.81	8.06
277	6.05	0.98	9.63	6.89
281	5.42	0.95	8.64	5.98
287	5.83	0.87	9.33	6.89
291	5.98	0.89	9.49	7.01
295	5.84	0.87	9.39	6.94

Depth average (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
307	5.24	0.85	8.40	6.00
311	5.21	0.87	8.44	5.96
317	5.10	0.82	8.13	5.82
321	5.58	0.79	8.90	6.68
327	5.42	0.87	8.65	6.21
331	5.27	0.85	8.40	6.01
335	5.35	0.87	8.60	6.12
347	5.18	0.89	8.44	5.89
351	5.47	0.93	8.88	6.22
357	5.40	0.92	8.68	6.07
361	5.75	0.89	9.15	6.65
365	6.02	0.92	9.68	7.09
371	5.12	0.86	8.17	5.77
377	5.09	0.90	8.13	5.59
381	7.31	1.00	11.69	8.87
391	7.42	1.01	11.82	8.99
397	7.29	1.20	11.61	8.25
399	5.92	0.99	9.59	6.76
403	6.03	1.11	9.69	6.55

Table D2. Biogenic Silica for core PRCK-3

Depth average (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
9	29.51	6.26	10.12	9.94
19	29.49	6.34	10.26	10.14
29	29.46	8.30	13.22	13.15
39	29.46	9.01	14.40	14.34
49	29.43	7.14	11.28	11.20
59	29.52	6.94	11.16	8.76
69	29.36	7.04	11.06	8.50
79	29.64	7.20	11.56	8.77
89	29.43	6.67	10.55	10.14
99	29.41	6.48	10.34	9.35
109	29.36	6.19	9.76	7.08
119	29.36	4.96	7.80	5.80
129	29.37	6.41	10.27	7.61
139	29.40	6.88	10.91	8.38
149	29.36	6.89	11.02	8.48
159	29.55	6.31	10.15	10.05
169	29.37	6.78	10.73	8.43
179	29.35	6.63	10.73	8.38
189	29.35	5.68	9.11	6.97
199	29.37	6.22	9.81	7.70
209	29.42	6.40	10.18	7.66
219	29.35	6.26	10.00	7.67
229	29.32	6.45	10.26	7.88
239	29.31	5.64	9.10	6.90
249	29.41	6.24	9.92	7.41
259	29.33	5.69	9.01	6.53
269	29.30	5.64	8.87	6.72
279	29.29	4.95	7.79	5.77
289	29.28	5.56	8.73	6.46
299	29.28	5.27	8.28	6.07
309	29.32	5.92	9.29	7.01
319	29.26	5.98	9.58	7.23
329	29.35	4.82	7.68	5.45
339	29.29	4.35	7.01	4.75
349	29.31	4.42	7.09	4.66
359	29.32	4.68	7.38	4.86
369	29.33	4.98	7.92	5.55
379	29.29	6.01	9.50	7.25
389	29.33	5.07	8.01	5.69
401	29.32	5.33	8.51	5.92
409	29.30	6.29	10.00	7.63
419	29.31	4.63	7.28	4.96
429	29.36	5.97	9.42	6.82
439	29.29	4.53	7.09	5.03
445	29.32	4.88	7.68	5.39

Table D3. Biogenic Silica for core PR98-3

Depth average (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
1.5	6.37	0.87	10.43	7.93
4.5	6.83	1.22	11.04	7.56
7.5	6.85	1.28	11.03	7.39
10.5	6.53	1.26	10.63	7.02
13.5	6.16	1.16	9.91	6.64
16.5	6.26	1.19	10.21	6.79
19.5	6.42	1.22	10.41	6.94
22.5	7.16	1.40	11.63	7.62
25.5	6.42	1.30	10.39	6.69
28.5	6.42	1.26	10.31	6.74
31.5	6.30	1.30	10.18	6.49
34.5	5.86	1.21	9.37	5.95
37.5	5.95	1.33	9.54	5.78
40.5	5.94	1.23	9.61	6.09
43.5	6.18	1.33	9.82	6.09
46.5	5.69	1.10	9.21	6.07
49.5	5.99	1.18	9.69	6.34
52.5	6.08	1.21	9.89	6.43
55.5	5.75	1.04	9.34	6.36
58.5	5.97	1.10	9.61	6.48
61.5	5.78	1.05	9.26	6.31
64.5	6.49	1.17	10.41	7.10
67.5	5.83	1.03	9.47	6.54
70.5	6.18	1.11	10.04	6.87
73.5	5.89	1.00	9.45	6.64
76.5	5.75	1.03	9.18	6.30
79.5	6.16	0.96	9.93	7.22
82.5	6.44	1.05	10.25	7.30
85.5	5.92	1.09	9.42	6.37
88.5	6.39	1.08	10.08	7.08
91.5	6.83	1.06	10.80	7.85
94.5	6.78	1.05	10.73	7.81
97.5	6.80	1.15	10.78	7.56
100.5	6.81	1.15	10.84	7.61

Table D4. Biogenic Silica for Core PX98-2

Depth average (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
37.5	4.35	0.78	7.36	5.02
43.5	4.29	0.65	6.84	5.00
49.5	5.45	0.71	8.58	6.60
55.5	6.43	0.81	10.29	8.02
61.5	6.55	0.70	10.31	8.38
67.5	5.76	0.67	9.12	7.25
73.5	5.98	0.86	9.64	7.19
79.5	5.78	0.81	9.52	7.18
85.5	5.40	0.68	8.74	6.81
91.5	6.38	0.69	10.25	8.31
97.5	6.75	0.76	10.93	8.76
103.5	4.70	0.93	7.64	4.99
109.5	5.58	0.98	9.01	6.22
115.5	5.24	0.63	8.24	6.49
121.5	5.84	1.14	9.43	6.18
127.5	6.51	1.15	10.40	7.17
131.5	6.62	0.88	10.57	8.10
137.5	6.92	0.82	11.03	8.74
143.5	6.66	0.89	10.70	8.19
149.5	6.84	0.90	10.92	8.39
155.5	5.50	0.76	8.86	6.71
161.5	5.17	0.84	8.34	5.95
167.5	5.40	0.82	8.70	6.36
173.5	5.38	0.83	8.76	6.38
179.5	6.45	0.94	10.50	7.80
185.5	7.19	0.98	11.65	8.85
191.5	5.80	0.92	9.49	6.85
197.5	5.26	0.77	8.62	6.40
203.5	6.62	0.90	10.78	8.20
209.5	6.97	0.95	11.35	8.62
215.5	5.97	0.82	9.63	7.29
221.5	5.40	0.81	8.79	6.49
227.5	4.90	0.75	7.85	5.74
233.5	6.21	0.20	10.09	9.52
239.5	5.33	0.84	8.66	6.26
245.5	6.38	0.92	10.25	7.66
251.5	5.59	0.77	9.08	6.88
257.5	5.88	0.88	9.49	7.00
263.5	6.16	0.87	9.98	7.50
269.5	5.59	0.79	8.97	6.74
275.5	5.58	0.75	8.94	6.82
280.5	6.08	0.87	9.71	7.25
286.5	5.44	0.80	8.74	6.49
292.5	4.63	0.72	7.38	5.35
298.5	5.86	0.79	9.27	7.06
304.5	6.31	0.85	10.06	7.69
310.5	5.84	0.77	9.27	7.12
316.5	5.34	0.70	8.49	6.55
322.5	4.94	0.76	7.95	5.80
328.5	5.23	0.80	8.43	6.17
334.5	5.46	0.85	8.75	6.36
340.5	4.95	0.70	7.97	6.00
346.5	5.10	0.80	8.15	5.89
352.5	4.94	0.72	7.85	5.84
358.5	4.41	0.76	7.00	4.88
364.5	5.76	0.84	9.13	6.79
370.5	4.34	0.71	6.91	4.91

Depth average (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
376.5	4.41	0.71	6.97	5.00
382.5	6.09	0.86	9.71	7.29
388.5	5.85	0.71	9.35	7.36
394.5	5.06	0.75	8.04	5.94
400.5	5.14	0.82	8.18	5.88
406.5	4.77	0.78	7.59	5.41
412.5	5.03	0.76	8.04	5.91
418.5	5.21	0.77	8.25	6.10
424	5.24	0.80	8.34	6.10

Table D5. Biogenic Silica for core PX98-3

Depth average (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
1.5	3.54	0.69	4.07	2.68
4.5	5.18	0.97	5.95	4.00
7.5	3.93	0.81	4.51	2.87
10.5	4.13	0.87	4.73	2.98
13.5	3.65	0.80	4.14	2.54
16.5	4.47	0.92	5.10	3.26
19.5	4.52	0.98	5.11	3.16
22.5	5.86	1.36	6.62	3.91
25.5	5.80	1.15	6.50	4.23
28.5	4.60	0.94	5.19	3.33
31.5	5.43	1.12	6.14	3.92
34.5	5.25	1.04	5.94	3.86
37.5	5.32	0.92	6.01	4.18
40.5	5.77	1.00	6.47	4.49
43.5	5.82	1.01	6.52	4.52
46.5	5.87	0.94	6.71	4.82
49.5	7.11	0.98	8.15	6.18
52.5	8.46	1.14	9.69	7.40
55.5	8.15	1.12	9.34	7.07
58.5	9.19	1.05	10.48	8.39
61.5	7.82	1.00	9.02	7.00
64.5	8.11	0.97	9.35	7.39
67.5	8.03	1.05	9.21	7.09
70.5	8.17	1.01	9.31	7.28
73.5	8.29	1.12	9.41	7.17
76.5	8.41	1.25	9.57	7.06
79.5	7.99	1.20	9.18	6.76
82.5	6.56	1.00	7.46	5.46
85.5	9.41	1.17	10.83	8.46
88.5	8.54	1.03	9.71	7.64
91.5	7.74	0.98	8.85	6.87
94.5	8.97	1.17	10.20	7.86
97.5	7.41	1.02	8.42	6.38
100.5	10.09	1.20	11.37	8.99
103.5	8.46	1.16	9.56	7.24

Table D6. Biogenic Silica for core RR98-4

Depth average (cm)	Corrected depth (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
1.5		4.16	1.03	6.70	3.80
4.5		3.91	1.10	6.35	3.20
7.5		3.95	1.05	6.41	3.42
10.5		3.89	1.14	6.27	3.05
13.5		3.82	1.18	6.11	2.80
16.5		4.10	1.16	6.58	3.31
19.5		4.09	1.27	6.54	2.96
22.5		4.29	1.08	6.93	3.86
25.5		5.10	0.98	8.05	5.31
28.5		6.95	0.90	11.10	8.58
31.5		6.83	0.96	10.69	8.05
34.5		6.85	0.89	10.92	8.43
37.5		6.73	0.94	10.52	7.94
40.5		7.19	1.05	11.29	8.39
43.5		8.23	1.04	12.89	10.02
46.5		7.49	0.95	11.64	9.04
49.5		7.42	1.00	11.85	9.03
52.5		7.41	0.93	11.89	9.27
55.5		6.77	0.86	10.85	8.42
58.5		6.42	0.90	10.34	7.79
61.5		6.43	0.85	10.30	7.90
64.5		6.07	0.88	9.69	7.21
67.5		6.37	0.92	10.11	7.56
70.5		5.76	0.92	9.19	6.61
73.5		6.01	0.73	9.71	7.62
76.5		5.65	0.74	9.15	7.05
79.5		5.53	0.72	9.04	6.98
82.5		5.55	0.69	8.98	7.03
85.5		5.32	0.70	8.61	6.60
88.5		5.71	0.79	9.14	6.92
91.5		5.67	0.80	9.11	6.84
94.5		6.02	0.85	9.60	7.21
97.5		6.38	0.88	10.18	7.70
100.5		6.31	0.81	10.25	7.94
103.5		6.07	0.83	9.69	7.36
106.5		5.61	0.77	9.10	6.91

Table D7. Biogenic Silica for core RR98-6

Depth average (cm)	Corrected depth (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
1.5	10.00	4.76	1.12	7.65	4.49
4.5	13.60	4.16	1.05	6.62	3.68
7.5	16.41	4.45	1.26	7.15	3.59
10.5	19.24	4.60	1.13	7.33	4.17
13.5	22.06	4.93	1.10	7.90	4.79
16.5	24.88	5.00	0.95	7.96	5.30
19.5	27.71	6.55	1.07	10.44	7.43
22.5	30.53	7.46	1.07	12.14	9.08
25.5	33.35	7.93	1.08	12.87	9.78
28.5	36.18	7.34	1.01	11.96	9.08
31.5	39.00	7.79	1.07	12.56	9.53
34.5	41.82	8.13	1.07	13.08	10.04
37.5	44.65	7.81	1.10	12.69	9.56
40.5	47.47	7.56	1.05	12.28	9.29
43.5	50.29	8.15	1.00	13.21	10.34
46.5	53.12	8.17	1.01	13.22	10.35
49.5	55.94	7.66	0.96	12.30	9.59
52.5	58.76	6.93	0.95	11.04	8.37
55.5	61.59	7.34	1.02	11.70	8.84
58.5	64.20	7.01	0.88	11.16	8.69
61.5	66.60	6.79	0.91	10.80	8.24
64.5	69.00	7.38	0.98	11.74	8.99
67.5	71.40	7.08	1.00	11.50	8.63
70.5	73.80	6.97	0.95	11.12	8.47
73.5	76.38	6.55	0.93	10.54	7.90
76.5	79.14	6.89	1.02	11.33	8.37
79.5	81.90	5.90	0.77	9.60	7.39
82.5	84.66	6.54	0.93	10.65	7.98
85.5	87.42	6.79	0.92	10.89	8.30
88.5	90.18	6.45	0.90	10.57	7.98
91.5	92.94	6.57	0.88	10.77	8.23
94.5	95.70	6.61	0.87	10.76	8.26
97.5	98.45	6.08	0.89	9.66	7.17
100.5	101.21	6.89	1.12	11.00	7.85
103.5	103.97	6.31	1.06	10.11	7.12
106.5	106.73	5.82	0.83	9.24	6.91
109.5	109.49	5.87	0.85	9.29	6.91
112	111.79	6.15	1.02	9.77	6.92
114.5	114.09	5.92	0.98	9.37	6.65
117.5	116.85	5.77	0.84	9.13	6.79
120.5	119.61	5.70	0.87	9.31	6.81
123.5	122.37	5.45	0.85	8.88	6.43
126.5	125.13	5.89	0.87	9.58	7.08
129.5	127.89	5.60	0.80	9.13	6.84
132.5	130.65	5.92	0.82	9.58	7.26
135.5	133.41	6.03	0.75	9.83	7.67
138.5	136.17	6.20	0.88	10.08	7.57
141.5	138.93	5.96	0.80	9.58	7.32
144.5	141.68	6.19	0.87	9.98	7.51
147.5	144.44	6.05	0.91	9.80	7.20
150.5	147.20	5.62	0.94	9.14	6.45
153.5	149.96	6.80	1.16	11.00	7.70
156.5	152.72	6.26	1.11	10.06	6.93
159.5	155.48	7.08	1.15	11.53	8.23
162.5	158.24	7.51	1.32	12.18	8.42
165.5	161.00	7.37	1.25	11.89	8.36
168.5	163.76	7.29	1.06	11.66	8.67

Depth average (cm)	Corrected depth (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
171.5	166.52	6.92	1.05	11.15	8.19
174.5	169.28	6.90	0.94	11.11	8.46
177.5	172.04	6.94	1.15	11.17	7.91
180.5	174.80	6.46	0.87	10.39	7.92
183.5	177.56	6.49	1.07	10.33	7.34
186.5	180.32	6.73	1.11	10.80	7.66
189.5	183.07	7.25	1.22	11.55	8.11
192.5	185.83	6.95	1.13	11.09	7.92
195.5	188.59	6.75	1.15	10.89	7.64
198.5	191.35	6.69	1.23	10.67	7.21
201.5	194.11	6.19	1.03	9.99	7.07
204.5	196.87	6.47	1.20	10.30	6.95
207.5	199.63	6.72	1.46	10.82	6.69
210.5	202.39	6.81	1.33	10.90	7.16
213.5	205.15	7.62	1.19	12.23	8.87
216.5	207.91	6.04	1.13	9.68	6.51
219.5	210.67	6.35	1.21	10.19	6.78
222.5	213.43	5.50	1.00	8.88	6.03
225.5	216.19	5.86	1.05	9.48	6.48
228.5	218.95	5.72	0.97	9.21	6.46
231.5	221.71	6.53	1.26	10.49	6.92
234.5	224.47	5.89	1.15	9.50	6.23
237.5	227.22	6.01	1.10	9.80	6.63
240.5	229.98	6.28	1.12	10.02	6.87
243.5	232.74	6.24	1.14	10.04	6.82
246.5	235.50	5.80	1.06	9.32	6.32
249.5	238.26	5.61	0.97	8.97	6.23
252.5	241.02	5.47	1.07	8.71	5.71
255.5	243.78	5.79	1.05	9.25	6.31
258.5	246.54	5.83	1.15	9.37	6.13
261.5	249.50	5.58	1.09	8.97	5.87
264.5	252.50	6.25	1.37	9.92	6.10
267.5	255.50	5.67	1.08	9.04	6.00
270.5	258.50	6.19	1.22	9.85	6.43
273.5	261.50	5.79	1.15	9.27	6.03
276.5	264.50	5.49	1.09	8.71	5.66
279.5	267.50	5.36	1.00	8.59	5.77
282.5	270.50	5.73	1.15	9.08	5.87
285.5	273.50	5.67	1.07	9.00	6.02
288.5	276.50	5.35	1.00	8.77	5.89
291.5	279.50	5.27	1.00	8.66	5.76
294.5	282.50	5.28	1.05	8.66	5.65
297.5	285.50	5.89	1.20	9.55	6.13
300.5	288.50	5.21	0.91	8.45	5.87
303.5	291.50	5.56	1.02	9.18	6.22
306.5	294.50	5.44	0.93	8.85	6.20
309.5	297.50	6.21	1.27	10.08	6.45
312.5	300.50	6.17	1.09	10.04	6.91
315.5	303.50	6.01	1.13	9.86	6.60
318.5	306.50	6.33	1.23	10.36	6.82
321.5	309.50	6.44	1.27	10.52	6.87
324.5	312.50	6.37	1.19	10.38	6.97
327.5	315.50	5.79	1.13	9.44	6.21
330.5	318.50	6.25	1.08	10.12	7.04
333.5	321.50	6.23	1.18	10.10	6.73
336.5	324.50	6.01	0.91	9.79	7.18
339.5	327.50	5.57	0.90	9.02	6.44
342.5	330.50	5.99	0.93	9.71	7.05
345.5	333.50	5.32	0.95	8.63	5.93

Depth average (cm)	Corrected depth (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
348.5	336.50	5.67	1.06	9.22	6.19
351.5	339.50	5.93	1.12	9.68	6.45
354.5	342.50	5.79	1.10	9.34	6.21
357.5	345.50	6.26	1.31	10.12	6.39
360.5	348.50	5.99	1.10	9.68	6.55
363.5	351.79	5.78	1.20	9.48	6.01
366.5	355.15	5.57	1.21	9.05	5.59
369.5	358.50	5.99	1.13	9.82	6.55
372.5	361.85	5.82	1.08	9.44	6.36
375.5	365.21	5.71	1.16	9.32	6.00
378.5	368.56	6.06	1.16	9.78	6.48
381.5	371.91	5.73	0.97	9.28	6.52
384.5	375.26	5.68	1.13	9.35	6.07
387.5	378.62	5.53	1.09	9.06	5.91
390.5	381.97	5.81	1.21	9.61	6.09
393.5	385.32	6.78	1.42	11.23	7.09
396.5	388.68	5.73	1.22	9.39	5.88
399.5	392.03	5.59	1.16	9.11	5.80
402.5	395.38	6.07	1.30	9.81	6.12
405.5	398.74	5.91	1.24	9.64	6.09
408.5	402.09	5.38	1.09	8.68	5.59
411.5	405.44	5.51	1.07	8.90	5.87

Table D8. Biogenic Silica for core RR98-9

Depth average (cm)	Corrected depth (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
226	286.12	3.12	0.16	4.97	4.52
229	289.90	3.44	0.16	5.50	5.05
232	293.69	5.86	0.39	9.32	8.23
235	297.48	3.19	0.17	5.06	4.58
238	301.26	4.17	0.27	6.68	5.92
241	305.05	3.72	0.21	5.96	5.38
244	308.83	3.38	0.19	5.42	4.89
247	312.62	3.89	0.18	6.26	5.76
250	316.40	3.42	0.18	5.52	5.01
253	320.19	3.60	0.19	5.74	5.22
256	323.98	3.34	0.20	5.37	4.80
259	327.76	2.79	0.14	4.44	4.04
262	331.55	2.96	0.17	4.70	4.22
265	335.33	3.11	0.16	4.98	4.53
268	339.12	2.76	0.11	4.38	4.08
271	342.90	3.00	0.01	4.80	4.42
274	346.69	2.75	0.17	4.38	3.90
277	350.48	2.65	0.13	4.23	3.85
280	354.26	2.87	0.16	4.60	4.15
283	358.05	2.95	0.14	4.70	4.29
286	361.83	3.05	0.12	4.90	4.56
289	365.62	3.10	0.15	5.01	4.58
292	369.40	2.98	0.17	4.75	4.28
295	373.19	2.89	0.22	4.63	4.02
298	376.98	2.89	0.18	4.63	4.12
301	380.76	3.15	0.18	5.03	4.52
304	384.55	3.31	0.16	5.31	4.86
307	388.33	3.58	0.16	5.72	5.27
310	392.12	3.59	0.20	5.76	5.20
313	395.90	3.33	0.21	5.33	4.73
316	399.69	3.48	0.21	5.60	5.01
319	403.48	3.01	0.14	4.80	4.42
322	406.98	3.06	0.23	4.93	4.29
326.5	411.36	6.27	1.14	9.98	6.78
329.5	414.29	5.19	0.93	8.27	5.68
332.5	417.21	5.20	0.93	8.24	5.66
335.5	420.14	5.06	0.90	8.15	5.59
338.5	423.06	5.02	0.03	8.08	8.00
341.5	425.99	5.55	1.01	8.82	6.00
344.5	428.91	5.68	1.07	9.11	6.09
347.5	431.84	5.34	0.94	8.43	5.83
350.5	434.76	5.40	1.04	8.61	5.70
353.5	437.69	5.16	1.03	8.29	5.40
356.5	440.61	5.39	1.10	8.64	5.55
359.5	443.54	5.08	1.02	8.02	5.17
362.5	446.46	5.49	1.12	8.69	5.58
365.5	449.39	5.04	1.05	8.01	5.08
368.5	452.31	5.23	1.07	8.27	5.28
371.5	455.24	4.85	0.95	7.87	5.15
374.5	458.16	4.63	0.95	7.25	4.63
377.5	461.09	4.34	0.82	6.84	4.55
380.5	464.01	5.54	1.09	8.71	5.68
383.5	466.94	4.60	0.99	7.28	4.52
386.5	469.86	4.87	1.01	7.73	4.92
389.5	472.79	4.80	1.02	7.54	4.73
392.5	475.71	4.26	0.94	6.77	4.14
395.5	478.64	4.32	0.92	6.79	4.25

Depth average (cm)	Corrected depth (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
398.5	481.56	4.27	0.91	6.97	4.36
401.5	484.49	3.95	0.79	6.28	4.08
404.5	487.41	3.74	0.73	5.95	3.92
407.5	490.34	3.81	0.79	6.23	3.95
410.5	493.26	3.35	0.71	5.32	3.35
413.5	496.19	3.62	0.77	5.71	3.58
416.5	499.11	4.26	0.99	6.76	4.00
419.5	502.04	3.70	0.79	5.95	3.71
422.5	504.96	3.72	0.81	5.93	3.65
425.5	507.89	3.47	0.79	5.52	3.30
428.5	510.81	3.48	0.78	5.55	3.35
431.5	513.74	3.54	0.80	5.55	3.34
434.5	516.66	3.88	0.92	6.14	3.59
437.5	519.59	3.73	0.92	5.93	3.36
440.5	522.51	3.42	0.86	5.44	3.02
443.5	525.44	3.45	0.81	5.44	3.18
446.5	528.36	2.81	0.65	4.47	2.64
449.5	531.29	3.99	1.01	6.26	3.47
452.5	534.21	3.15	0.78	5.02	2.82
455.5	537.14	3.66	0.92	5.79	3.22
458.5	540.07	3.59	0.86	5.66	3.26
461.5	542.99	3.43	0.79	5.41	3.23
464.5	545.92	3.67	0.87	5.75	3.35
467.5	548.84	3.66	0.86	5.75	3.37
470.5	551.77	3.83	0.96	6.22	3.48
473.5	554.69	2.67	0.68	4.32	2.39
476.5	557.62	4.00	0.97	6.49	3.71
479.5	560.54	3.60	0.96	5.80	3.09
482.5	563.47	3.41	0.86	5.48	3.05
485.5	566.39	3.23	0.81	5.21	2.90
488.5	569.32	3.60	0.93	5.79	3.17
491.5	572.25	3.30	0.81	5.37	3.05
494.5	575.17	3.44	0.87	5.56	3.09
497.5	578.10	3.64	0.87	5.87	3.39
500.5	581.02	3.58	0.96	5.75	3.03
503.5	583.95	3.40	0.83	5.59	3.19
506.5	586.87	3.18	0.79	5.19	2.93
509.5	589.80	3.38	0.88	5.47	2.97
512.5	592.72	3.80	1.01	6.11	3.26
515.5	595.65	3.51	0.95	5.66	2.96
518.5	598.57	4.71	1.23	7.59	4.09
521.5	601.50	4.81	1.28	7.73	4.11
524.5	604.43	4.57	1.16	7.37	4.08
527.5	607.35	5.17	1.39	8.37	4.42
530.5	610.28	3.96	0.98	6.39	3.59
533.5	613.20	4.73	1.33	7.56	3.82
536.5	616.13	5.69	1.61	9.17	4.61
539.5	619.05	3.83	0.97	6.16	3.41
542.5	621.98	3.02	0.69	4.76	2.85
545.5	624.90	3.12	0.67	4.97	3.09
548.5	627.83	3.59	0.77	5.71	3.54
551.5	630.75	3.60	0.80	5.67	3.46
554.5	633.68	3.70	0.71	5.81	3.86
557.5	636.60	4.10	0.75	6.53	4.42
560.5	639.53	3.91	0.76	6.13	4.05
563.5	642.46	5.26	0.85	8.22	5.90
566.5	645.38	5.89	0.92	9.30	6.76
569.5	648.31	5.34	0.82	8.51	6.20
572.5	651.23	5.30	0.86	8.33	5.96

Depth average (cm)	Corrected depth (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
575.5	654.16	4.32	0.69	6.81	4.91
578.5	657.08	4.22	0.74	6.62	4.58
581.5	660.01	4.03	0.70	6.39	4.43
584.5	662.93	3.90	0.76	6.17	4.04
587.5	665.86	3.67	0.70	5.77	3.83
590.5	668.78	4.23	0.78	6.68	4.51
593.5	671.71	3.66	0.72	5.80	3.78
596.5	674.64	4.01	0.75	6.38	4.29
599.5	677.56	4.12	0.75	6.49	4.40
602.5	680.49	3.47	0.69	5.48	3.55
605.5	683.41	3.43	0.70	5.39	3.47
608.5	686.34	2.91	0.61	4.63	2.93
611.5	689.26	3.20	0.70	5.09	3.13
614.5	692.19	2.98	0.55	4.83	3.25
617.5	695.11	2.97	0.56	4.87	3.25
620.5	698.04	2.80	0.56	4.50	2.92
623.5	700.96	2.79	0.56	4.53	2.93
626.5	703.89	2.81	0.56	4.52	2.94
629.5	706.82	2.59	0.55	4.23	2.64
632.5	709.74	2.92	0.61	4.71	2.99
635.5	712.67	3.71	0.70	6.03	4.03
638.5	715.59	2.10	0.46	3.41	2.09
641.5	718.52	2.66	0.58	4.27	2.63
644.5	721.44	2.20	0.53	3.58	2.06
647.5	724.37	2.34	0.54	3.79	2.25
650.5	727.29	2.52	0.57	4.06	2.45
653.5	730.22	2.06	0.50	3.35	1.91
656.5	733.14	3.11	0.68	5.12	3.13
659.5	736.07	2.67	0.59	4.30	2.63
662.5	739.00	3.14	0.67	5.00	3.13
665.5	741.92	2.96	0.67	4.78	2.89
668.5	744.85	2.96	0.63	4.74	2.95
671.5	747.77	3.16	0.66	5.06	3.21
674.5	750.70	3.11	0.64	4.95	3.17
677.5	753.62	3.79	0.64	6.05	4.24
680.5	756.55	3.94	0.68	6.26	4.37
683.5	759.47	4.34	0.77	6.98	4.79
686.5	762.40	3.45	0.69	5.44	3.53
689.5	765.32	3.38	0.66	5.40	3.55
692.5	768.25	4.22	0.79	6.66	4.47
695.5	771.18	3.73	0.68	5.94	4.03
698.5	774.10	3.22	0.63	5.08	3.34
701.5	777.03	3.76	0.72	5.90	3.92
704.5	779.95	3.12	0.57	4.91	3.32
707.5	782.88	3.50	0.85	5.51	3.17
710.5	785.80	2.88	0.64	4.57	2.77
713.5	788.73	2.42	0.61	3.80	2.12
722	797.02	2.12	0.55	3.37	1.83
728	802.87	1.78	0.53	2.81	1.33
734	808.72	1.20	0.42	1.91	0.75
740	814.57	1.00	0.33	1.61	0.68
746	820.42	0.69	0.23	1.09	0.45
752	826.27	1.43	0.41	2.26	1.10
758	832.12	1.26	0.39	1.41	0.64
764	837.97	1.43	0.38	1.59	0.84
770	843.82	2.03	0.54	2.25	1.20
775	848.70	0.99	0.34	1.10	0.43

Table D9. Biogenic Silica for core RD98-2

Depth average (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
1.5	6.41	1.16	10.44	7.11
4.5	7.44	1.31	11.97	8.26
7.5	6.21	1.18	10.04	6.69
10.5	6.68	1.19	10.89	7.48
13.5	5.86	1.05	9.54	6.53
16.5	6.53	1.20	10.49	7.08
19.5	6.69	1.03	10.80	7.86
22.5	6.42	0.99	10.40	7.59
25.5	6.76	1.13	10.80	7.61
28.5	6.25	1.15	10.05	6.79
31.5	6.10	1.06	9.76	6.77
34.5	6.66	1.09	10.81	7.69
37.5	6.29	1.02	10.12	7.22
40.5	6.13	0.97	9.81	7.07
43.5	6.76	1.00	10.82	8.00
46.5	6.50	1.04	10.49	7.53
49.5	5.75	0.97	9.19	6.46
52.5	6.04	0.97	9.61	6.88
55.5	5.57	0.95	8.82	6.16
58.5	5.40	0.95	8.57	5.91
61.5	5.63	1.01	8.93	6.10
64.5	5.81	1.10	9.24	6.17
67.5	5.93	1.09	9.50	6.43
70.5	6.67	1.05	10.62	7.68
73.5	6.57	1.02	10.64	7.74
76.5	6.17	1.06	9.89	6.90
79.5	6.22	1.04	10.00	7.07
82.5	6.77	1.07	11.03	7.95
85.5	6.22	1.07	9.93	6.93
88.5	6.81	1.11	10.88	7.77
91.5	6.37	1.02	10.24	7.35
94.5	6.67	1.07	10.73	7.69
97.5	6.70	0.91	10.86	8.27
100.5	6.70	1.02	10.95	8.01
103.5	5.88	0.98	9.43	6.67
106.5	5.80	0.95	9.46	6.73
109.5	5.32	0.92	8.61	5.98
112.5	5.41	1.00	8.78	5.93
115.5	5.74	1.01	9.19	6.35
118.5	6.06	1.14	9.84	6.58
121.5	6.13	0.95	9.87	7.18
124.5	6.28	1.05	10.13	7.13
127.5	6.44	0.95	10.30	7.64
130.5	6.31	1.03	10.33	7.37
133.5	6.06	0.97	9.76	7.02
136.5	6.05	1.02	9.88	6.94
139.5	6.67	1.14	10.74	7.51
142.5	5.78	1.03	9.40	6.45
145.5	6.07	1.12	9.83	6.65
148.5	5.92	1.04	9.56	6.60
151.5	6.28	1.16	10.21	6.89
154	4.98	0.96	7.95	5.25
156.5	5.07	1.01	8.22	5.34
159.5	4.81	0.96	7.72	5.02
162.5	5.45	1.12	8.73	5.58
165.5	5.10	1.07	8.19	5.16
168.5	5.06	0.98	8.18	5.40

Depth average (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
171.5	5.22	1.13	8.32	5.16
174.5	5.37	1.04	8.70	5.75
177.5	4.58	0.89	7.27	4.79
180.5	5.75	1.16	9.27	5.97
183.5	5.66	1.07	8.96	5.97
186.5	5.00	1.07	7.90	4.91
189.5	5.65	1.07	8.98	5.98
192.5	6.11	1.10	9.77	6.68
195.5	6.16	1.10	9.89	6.79
198.5	6.39	1.08	10.11	7.10
201.5	5.63	1.05	9.17	6.17
204.5	5.55	1.07	8.99	5.93
207.5	4.96	1.16	8.10	4.77
210.5	5.02	1.09	8.20	5.07
213.5	5.73	1.26	9.41	5.76
216.5	5.79	0.98	9.40	6.59
219.5	5.12	1.00	8.36	5.49
222.5	5.66	1.02	9.15	6.26
225.5	5.73	1.01	9.26	6.38
228.5	5.62	0.94	9.05	6.40
231.5	5.01	0.92	8.11	5.50
234.5	5.75	1.04	9.25	6.31
237.5	5.59	1.00	9.03	6.20
240.5	5.62	1.17	9.07	5.76
243.5	5.37	1.03	8.72	5.78
246.5	5.78	1.20	9.28	5.90
249.5	5.25	1.00	8.43	5.61
252.5	5.58	1.00	8.92	6.11
255.5	5.34	0.98	8.57	5.82
258.5	5.54	1.00	8.90	6.06
261.5	5.24	1.05	8.44	5.46
264.5	5.47	0.89	8.79	6.28
267.5	5.94	1.17	9.52	6.21
270.5	6.02	1.17	9.70	6.37
273.5	5.29	1.06	8.07	5.23
276.5	6.04	1.09	9.15	6.24
279.5	7.16	1.24	10.85	7.54
282.5	5.83	1.03	8.89	6.12
285.5	6.29	1.00	9.48	6.83
288.5	6.46	1.03	9.73	7.00
291.5	6.33	1.09	9.60	6.68
294.5	7.03	1.06	10.72	7.86
297.5	6.91	1.03	10.40	7.66
300.5	6.87	1.08	10.30	7.44
303.5	6.47	1.08	9.76	6.88
305.5	6.41	1.06	9.65	6.85
307.5	6.62	1.03	9.90	7.19
310.5	7.15	1.03	10.75	8.01
313.5	6.92	1.03	10.51	7.76
316.5	6.60	1.04	9.95	7.19
319.5	6.60	0.88	9.97	7.63
322.5	7.04	0.85	10.53	8.30
325.5	8.06	1.06	12.12	9.31
328.5	7.26	1.02	10.86	8.17
331.5	7.28	1.07	10.91	8.10
334.5	7.05	1.12	10.61	7.65
337.5	6.98	1.08	10.39	7.56
340.5	7.21	0.92	10.74	8.33
343.5	7.38	0.88	11.88	9.39

Depth average (cm)	Si in solution (g/g)	Al in solution (g/g)	Opal, uncorrected (weight percent)	Opal, corrected (weight percent)
346.5	5.66	0.78	8.97	6.78
349.5	6.95	0.77	11.17	8.98
352.5	6.92	0.80	10.95	8.72
355.5	5.87	0.85	9.38	6.98
358.5	6.04	0.83	9.64	7.31
361.5	7.19	0.92	11.47	8.89
364.5	7.50	0.95	11.84	9.21
367.5	7.46	0.91	11.72	9.20
370.5	7.32	0.92	11.52	8.97
373.5	7.71	0.99	12.34	9.56
376.5	7.49	0.82	11.86	9.56
379.5	7.35	0.79	11.66	9.46
382.5	8.91	0.85	14.21	11.83
385.5	7.53	0.90	11.99	9.46
388.5	7.62	0.87	12.01	9.61
391.5	7.47	0.92	11.82	9.26
394.5	6.71	0.81	10.70	8.42
397.5	6.25	0.82	10.02	7.71
400.5	6.96	0.85	10.90	8.55
403.5	6.59	0.78	10.37	8.20
406.5	6.61	0.80	10.46	8.24
409.5	6.35	0.77	10.10	7.93
412.5	7.52	0.81	11.87	9.63
415.5	7.48	0.83	11.97	9.64
418.5	7.86	0.82	12.66	10.32
421.5	7.87	1.09	12.57	9.50
424.5	7.82	0.98	12.44	9.71
427.5	8.12	1.07	13.20	10.15
430.5	7.52	1.08	11.98	8.95
433.5	7.96	1.04	12.70	9.79
436.5	8.58	0.99	13.68	10.90
439.5	7.22	0.86	11.46	9.05
442.5	7.55	0.93	12.04	9.44
445.5	8.12	0.99	12.96	10.19
448.5	7.73	0.89	12.19	9.73
451.5	8.34	1.09	13.38	10.29
454.5	8.07	0.99	12.91	10.12
457.5	7.25	0.93	11.63	9.01