

Appendix-2

Chemical and Isotopic data for the core SS3827 G

* rub, sac, men refer to foraminiferal species *G.sacculifer*, *G. ruber* and *G.menardii* respectively, all isotopic data are expressed in per mil units

NM = Not Measured

Depth (cm)	Age (a BP)	CaCO ₃ (%)	Corg (%)	C/N	$\delta^{15}\text{N}$ (‰)	$\delta^{13}\text{C}$ - rub*	$\delta^{13}\text{C}$ - sac*	$\delta^{13}\text{C}$ - men*	$\delta^{18}\text{O}$ - rub*	$\delta^{18}\text{O}$ - sac*	$\delta^{18}\text{O}$ - men*
0.5	2243.15	75.35	NM#	NM	13.54	0.97	1.67	1.25	-2.75	-2.23	-1.27
1.5	2547.44	73.43	NM	NM	5.49	1.35	1.84	1.36	-2.30	-2.35	-0.86
2.5	2851.73	76.54	NM	NM	2.56	1.40	1.93	NM	-2.41	-2.31	NM
3.5	3156.02	75.40	0.15	2.90	5.37	1.58	1.74	1.35	-2.42	NM	-1.08
4.5	3460.31	75.46	0.04	0.72	-2.75	1.73	1.94	1.37	NM	NM	-0.96
5.5	3764.60	76.30	0.00	0.00	4.45	1.62	1.78	1.37	NM	-2.68	-1.40
6.5	4068.89	73.04	0.12	2.53	5.74	1.39	1.53	1.22	-2.20	-2.57	-1.23
7.5	4373.18	73.78	0.36	7.73	3.21	1.50	1.88	1.44	-2.21	-2.67	-1.55
8.5	4677.47	73.23	NM	NM	6.63	NM	1.94	1.47	-2.18	-2.07	-1.00
9.5	4981.76	75.73	0.04	0.73	10.4	1.20	2.16	NM	-2.30	-2.12	NM
10.5	5286.05	74.67	0.15	3.09	11.06	NM	NM	NM	NM	NM	NM
11.5	5590.34	74.02	0.20	3.66	5	1.30	2.06	1.35	-2.37	-2.15	-1.31
12.5	5653.88	73.20	0.26	5.03	5.48	NM	NM	NM	NM	NM	NM
13.5	5717.63	74.17	0.63	11.46	4.59	1.06	1.98	1.44	-2.40	-2.32	-0.74
14.5	5781.38	73.34	0.11	2.54	3.82	NM	NM	NM	NM	NM	NM
15.5	5845.13	73.46	NM	NM	3.67	NM	NM	NM	NM	NM	NM
16.5	5908.88	75.01	NM	NM	NM	1.41	1.72	1.37	-2.48	-1.95	-0.44
17.5	5972.63	74.12	0.08	1.80	9.16	NM	NM	NM	NM	NM	NM
18.5	6036.38	74.88	NM	NM	8.23	NM	NM	NM	NM	NM	NM
19.5	6100.13	73.36	NM	NM	3.74	NM	1.85	1.36	NM	-2.24	-0.93
20.5	6572.25	73.19	0.11	2.82	2.42	NM	NM	NM	NM	NM	NM
21.5	7044.75	73.28	0.14	NM	0.77	NM	NM	NM	NM	NM	NM
22.5	7517.25	72.34	0.46	10.45	-12.04	1.23	1.95	1.30	-2.79	-2.15	-0.49
23.5	7989.75	72.38	NM	NM	-8.63	NM	NM	NM	NM	NM	NM
24.5	8462.25	70.21	NM	NM	NM	NM	NM	NM	NM	NM	NM
25.5	8934.75	69.43	0.93	22.62	NM	1.16	1.80	1.16	-2.52	-2.09	-0.32
26.5	9407.25	70.38	NM	NM	11.84	NM	NM	NM	NM	NM	NM
27.5	9879.75	70.55	0.07	1.86	NM	NM	NM	NM	NM	NM	NM
28.5	10352.25	69.06	0.62	17.30	NM	1.26	1.87	1.16	-2.13	-1.29	-0.55
29.5	10824.75	70.86	0.29	7.20	12.44	NM	NM	NM	NM	NM	NM
30.5	11297.25	68.95	0.51	19.04	NM	NM	NM	NM	NM	NM	NM
31.5	11769.75	68.62	NM	NM	10.99	1.31	1.78	1.26	-1.57	-1.23	0.00
32.5	12242.25	68.20	NM	NM	5.74	NM	NM	NM	NM	NM	NM
33.5	12714.75	67.23	0.33	9.31	NM	NM	NM	NM	NM	NM	NM
34.5	13187.25	66.38	NM	NM	11.11	1.03	1.77	1.23	-2.23	-1.44	-0.01
35.5	13659.75	68.35	NM	NM	5.73	NM	NM	NM	NM	NM	NM
36.5	14132.25	65.54	0.27	NM	-9.09	NM	NM	NM	NM	NM	NM
37.5	14604.75	58.68	0.16	3.48	NM	0.98	1.88	1.28	-1.60	-0.94	0.03
38.5	15077.25	57.91	NM	NM	NM	NM	NM	NM	NM	NM	NM
39.5	15549.75	57.91	0.23	5.13	11.75	0.92	NM	NM	-2.77	-2.26	NM

Depth (cm)	Age (a BP)	CaCO ₃ (%)	Corg (%)	C/N	$\delta^{15}\text{N}$ (‰)	$\delta^{13}\text{C}$ - rub*	$\delta^{13}\text{C}$ - sac*	$\delta^{13}\text{C}$ - men*	$\delta^{18}\text{O}$ - rub*	$\delta^{18}\text{O}$ - sac*	$\delta^{18}\text{O}$ - men*
40.5	15795.50	57.16	NM	NM	6.86	1.18	1.85	NM	-0.88	-0.40	NM
41.5	16040.50	59.09	0.18	3.65	10.28	0.99	1.81	1.34	-1.24	-0.70	0.18
42.5	16285.50	59.72	NM	NM	5.14	NM	NM	NM	NM	NM	NM
43.5	16530.50	63.27	NM	NM	-3.61	NM	NM	NM	NM	NM	NM
44.5	16775.50	60.79	1.11	13.93	9.09	1.02	1.90	1.40	-1.12	-0.51	0.29
45.5	17020.50	62.14	0.63	7.72	-7.58	NM	NM	NM	NM	NM	NM
46.5	17265.50	61.24	0.71	8.70	-9.92	NM	NM	NM	NM	NM	NM
47.5	17510.50	60.99	NM	NM	4.54	1.16	1.88	1.38	-2.18	-0.43	-0.29
48.5	17755.50	60.82	NM	NM	9.15	NM	NM	NM	NM	NM	NM
49.5	18000.50	60.65	NM	NM	2.18	NM	NM	NM	NM	NM	NM
50.5	18245.50	NM	NM	NM	-0.5	1.19	1.91	1.52	-1.89	-1.45	-0.12
51.5	18490.50	60.72	NM	NM	3.67	NM	NM	NM	NM	NM	NM
52.5	18735.50	59.95	NM	NM	4.1	NM	NM	NM	NM	NM	NM
53.5	18980.50	55.94	NM	NM	4.42	1.02	1.65	1.58	-2.11	-0.50	0.07
54.5	19225.50	57.54	1.04	12.62	8.62	1.27	1.96	NM	-0.92	-0.51	NM
55.5	19470.50	59.05	1.26	14.71	4.95	NM	NM	NM	NM	NM	NM
56.5	19715.50	58.92	1.25	18.17	10.07	1.02	1.82	1.46	-1.29	-0.80	0.37
57.5	19960.50	56.64	NM	NM	12	1.23	1.87	1.49	-0.96	-0.78	0.25
58.5	20205.50	55.65	NM	NM	6.74	1.08	1.87	1.58	-1.29	-0.90	0.56
59.5	20450.50	59.68	0.71	9.20	7.64	1.34	1.94	1.62	-0.94	-0.87	0.72
60.5	20837.00	57.87	1.12	13.20	3.38	1.18	1.94	1.53	-0.82	-0.58	0.88
61.5	21194.00	58.06	NM	NM	6.28	1.18	2.05	1.60	-0.65	-0.45	0.96
62.5	21551.00	59.14	0.92	10.34	NM	1.09	1.74	1.64	-1.09	-0.81	0.54
63.5	21908.00	60.40	NM	NM	5.75	NM	NM	NM	NM	NM	NM
64.5	22265.00	58.75	1.10	13.11	6.1	1.03	1.90	1.55	-1.14	-0.84	0.42
65.5	22622.00	59.52	0.69	8.66	8.14	NM	NM	NM	NM	NM	NM
66.5	22979.00	61.48	NM	NM	-2.02	NM	NM	NM	NM	NM	NM
67.5	23336.00	61.98	NM	NM	8.85	NM	NM	NM	NM	NM	NM
68.5	23693.00	58.96	0.86	11.66	7.98	NM	1.94	1.62	-1.28	-0.85	-0.29
69.5	24050.00	60.26	0.92	10.44	14.58	NM	NM	NM	NM	NM	NM
70.5	24407.00	61.21	NM	NM	8.25	NM	NM	NM	NM	NM	NM
71.5	24764.00	60.23	NM	NM	NM	1.16	2.04	1.59	-2.06	-1.70	-0.02
72.5	25121.00	60.53	0.84	11.88	10.34	NM	NM	NM	NM	NM	NM
73.5	25478.00	60.64	0.77	14.08	10.96	NM	NM	NM	NM	NM	NM
74.5	25835.00	59.95	NM	NM	4.8	1.33	1.99	1.55	-1.91	-1.30	-0.06
75.5	26192.00	60.03	0.73	11.36	3.25	NM	NM	NM	NM	NM	-0.02
76.5	26549.00	62.67	0.57	9.96	-0.82	NM	NM	NM	NM	NM	NM
77.5	26906.00	62.53	0.52	10.45	5.32	1.25	1.64	1.66	-2.10	-1.59	NM
78.5	27263.00	64.74	0.73	10.99	NM	1.31	1.90	1.54	-1.60	-0.93	0.09
79.5	27620.00	64.01	0.82	14.07	NM	1.31	NM	NM	-1.97	NM	NM
80.5	27977.00	65.38	0.88	14.21	2.54	NM	NM	NM	NM	NM	NM
81.5	28334.00	64.82	NM	NM	12.4	1.33	1.92	1.63	-2.07	-1.20	-0.01
82.5	28691.00	63.93	0.75	12.47	8	NM	NM	NM	NM	NM	NM
83.5	29048.00	62.52	NM	NM	13	1.36	1.86	NM	NM	NM	NM
84.5	29405.00	64.50	NM	NM	4.8	NM	NM	1.53	-1.57	-1.39	-0.07
85.5	29762.00	64.58	0.82	14.92	0	NM	NM	NM	NM	NM	NM
86.5	30119.00	66.24	NM	NM	1.3	NM	NM	NM	NM	NM	NM
87.5	30476.00	60.73	NM	NM	-0.8	1.37	2.06	1.63	-1.90	-1.06	0.42
88.5	30833.00	64.61	0.54	11.35	2.4	NM	NM	NM	NM	NM	NM

Depth (cm)	Age (a BP)	CaCO ₃ (%)	Corg (%)	C/N	δ ¹⁵ N (‰)	δ ¹³ C- rub*	δ ¹³ C- sac*	δ ¹³ C- men*	δ ¹⁸ O- rub*	δ ¹⁸ O- sac*	δ ¹⁸ O- men*
89.5	31190.00	66.80	NM	NM	2.8	NM	NM	NM	NM	NM	NM
90.5	31547.00	66.66	NM	NM	-1.3	1.39	1.91	1.53	-1.36	-0.91	0.38
91.5	31904.00	67.17	0.46	8.51	-2	NM	NM	NM	NM	NM	NM
92.5	32261.00	67.82	0.27	5.25	-1.7	NM	NM	NM	NM	NM	NM
93.5	32618.00	66.73	0.49	9.33	-3	0.89	1.59	1.17	-2.20	-1.86	-0.52
94.5	32975.00	66.35	0.44	8.72	-1.6	NM	NM	NM	NM	NM	NM
95.5	33332.00	66.15	0.27	4.98	-1.2	1.10	1.63	1.22	-1.81	-1.71	-0.21
96.5	33689.00	64.94	0.65	10.14	-3.2	NM	NM	NM	NM	NM	NM
97.5	34046.00	67.26	0.68	12.34	5.5	NM	NM	NM	NM	NM	NM
98.5	34403.00	68.65	NM	NM	1.6	NM	NM	NM	NM	NM	NM
99.5	34760.00	66.77	0.40	6.91	0.7	1.48	1.87	1.44	-1.94	-1.37	-0.19