

Appendix-3

Chemical and Isotopic data for the core SS4018 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*
1	0.00	59.38	0.85	4.96	4.74	1.09	1.79	0.72	-2.54	-2.4	-0.46
3	540.81	58.34	1.22	6.16	5.52	1.32	1.31	NM#	-2.06	NM	NM
5	1085.23	52.04	1.79	9.07	4.18	1.07	1.11	1.06	-2.69	-2.86	-0.77
7	1629.65	58.91	1.26	6.77	4.22	1.42	1.63	1.25	-1.99	-1.9	-0.38
9	2174.07	63.21	0.92	5.39	3.57	1.17	1.92	1.09	-2.62	-2.1	-0.84
11	2718.49	59.00	0.94	5.69	3.98	1.30	NM	NM	-1.97	NM	NM
13	3262.91	62.77	1.11	7.47	3.73	1.23	1.51	1.09	-2.28	-2.16	-0.49
15	3807.33	62.58	1.14	7.84	3.20	1.41	1.81	NM	-1.93	-1.6	NM
17	4351.75	61.92	1.08	8.27	2.00	1.27	1.87	1.21	-2.14	-1.27	-0.35
19	4896.17	63.95	1.30	10.71	3.67	1.39	1.95	0.97	-2.05	-1.84	-0.94
21	5440.59	66.87	0.81	7.33	2.98	1.55	1.76	NM	-2.44	-1.99	NM
23	5810.00	68.96	NM	NM	3.07	1.27	1.83	1.15	-2.11	-1.43	-0.77
25	6180.00	67.89	0.99	8.20	2.71	NM	NM	NM	NM	NM	NM
27	6550.00	69.32	0.61	5.13	3.11	0.93	NM	1.09	-2.31	NM	-0.70
29	6920.00	68.73	1.03	8.99	3.43	1.28	1.77	NM	-1.97	-1.39	NM
31	7290.00	69.44	1.15	9.45	3.73	1.27	1.90	NM	-1.91	-1.67	NM
33	7660.00	68.64	1.35	10.90	4.02	NM	1.57	NM	NM	-2.88	NM
35	7925.34	68.66	1.03	7.95	3.08	1.18	1.81	NM	-2.05	-1.63	NM
37	8198.46	71.55	1.22	9.38	3.39	1.23	1.93	0.90	-1.74	-1.44	-0.88
39	8471.58	76.71	1.01	7.13	3.26	1.15	1.64	0.98	-1.88	-1.57	-0.36
41	8744.70	73.07	0.55	5.48	3.92	NM	1.48	NM	NM	NM	NM
43	9017.82	71.01	1.16	10.30	3.02	1.01	NM	NM	-2.88	-2.74	NM
45	9290.94	71.24	0.65	6.04	4.28	NM	NM	NM	NM	NM	NM
47	9564.06	70.49	1.29	11.48	3.39	0.87	1.37	0.81	-2.71	-2.69	-1.08
49	9837.18	69.18	1.48	12.23	2.55	1.13	1.68	NM	-1.79	-1.22	NM
51	10120.00	70.84	1.19	10.34	3.50	NM	1.65	NM	NM	-1.61	NM
53	10289.00	72.87	0.91	8.81	4.50	0.84	1.29	NM	-1.53	-1.41	NM
55	10458.00	72.56	0.46	4.51	2.21	0.62	1.37	0.81	-2.43	-1.76	-0.32
57	10627.00	71.28	0.93	8.32	3.76	NM	NM	NM	NM	NM	NM
59	10796.00	70.78	0.50	5.83	3.36	0.44	1.27	0.91	-2.71	-1.77	-0.34
61	10965.00	72.59	0.67	7.63	2.70	0.91	1.30	NM	-1.41	-1.67	NM
63	11281.04	71.65	0.34	4.86	2.70	NM	NM	NM	NM	NM	NM
65	11596.88	74.42	0.53	5.77	6.48	0.47	1.44	1.01	-1.55	-0.98	0.05
67	11912.72	69.94	1.08	12.88	4.01	NM	NM	NM	NM	NM	NM
69	12228.56	72.20	0.77	8.54	3.51	0.47	1.34	0.90	-1.97	-1.24	-0.47
71	12544.40	72.73	1.50	14.17	0.56	NM	NM	NM	NM	NM	NM
73	12860.24	73.81	0.83	7.26	1.50	0.71	1.25	NM	-2.45	-1.57	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*
75	12950.00	73.17	0.74	7.77	2.38	NM	NM	NM	NM	NM	NM
77	13040.00	71.62	1.71	16.42	1.83	0.79	1.50	0.92	-2.04	-1.69	-0.48
79	13130.00	73.21	1.28	13.06	2.00	NM	NM	NM	NM	NM	NM
81	13220.00	72.57	0.50	5.35	3.89	0.73	1.24	NM	-2.04	-1.45	NM
83	13470.00	72.65	0.89	9.41	2.88	NM	NM	NM	NM	NM	NM
85	13720.00	72.98	0.46	4.81	2.91	0.63	1.49	0.85	-1.64	-1.22	-0.27
87	13970.00	73.40	0.77	8.42	2.34	NM	NM	NM	NM	NM	NM
89	14220.00	72.45	0.41	4.72	3.28	0.86	NM	0.86	-0.18	NM	-0.01
91	14470.00	74.08	1.07	13.02	1.40	NM	NM	NM	NM	NM	NM
93	14720.00	72.85	0.35	4.36	1.30	NM	1.33	NM	NM	-0.87	NM
95	14892.00	74.65	0.69	8.56	1.78	NM	1.52	NM	-0.95	-0.73	NM
97	15064.00	66.92	0.55	7.24	2.89	NM	1.39	0.89	NM	-0.62	-0.07
99	15236.00	69.26	0.40	5.46	3.92	0.62	NM	NM	-0.59	NM	NM
101	15408.00	60.97	0.73	10.28	4.15	NM	NM	NM	NM	NM	NM
103	15580.00	58.80	0.56	8.60	1.21	0.50	1.14	NM	-0.16	-1.20	NM
105	15834.00	62.15	1.47	19.13	3.00	NM	NM	NM	-0.18	NM	NM
107	16088.00	62.82	0.79	10.41	4.10	0.40	NM	1.16	-1.10	NM	0.50
109	16342.00	61.76	0.50	6.95	1.00	NM	NM	NM	NM	NM	NM
111	16596.00	62.96	0.86	10.05	NM	0.67	1.44	1.29	-0.59	-0.29	1.04
113	16850.00	63.37	0.35	4.59	NM	0.70	1.57	NM	-0.36	0.23	NM
115	16938.00	64.66	0.81	7.99	1.90	NM	NM	NM	NM	NM	NM
117	17026.00	63.25	0.80	7.82	2.10	0.71	1.52	1.27	-0.36	-0.19	0.95
119	17114.00	64.75	NM	NM	2.63	NM	NM	NM	NM	NM	NM
121	17202.00	67.64	1.37	9.56	0.50	NM	NM	NM	NM	NM	NM
123	17290.00	65.20	0.99	6.73	3.40	0.69	1.30	NM	-1.31	-0.60	NM
125	17866.25	66.19	1.04	7.01	2.80	NM	NM	NM	NM	NM	NM
127	18442.91	67.10	1.42	9.84	1.94	0.66	0.95	1.33	-0.59	-0.72	1.13
129	19019.57	63.75	0.93	6.57	2.10	1.12	1.62	NM	-0.31	0.07	NM