

	Rb	s.d.	Ba	s.d.	Th	s.d.	U	s.d.	Nb	s.d.	Ta	s.d.
1R1 40-46	0.061	0.002	31172	650.8	0.006	0.001	1.648	0.031	0.013	0.001	0.007	0.001
2R1 31-37	0.040	0.002	11293	359.2	0.007	0.001	0.002	0.000	0.139	0.002	0.016	0.001
3R1 61-71	0.036	0.009	3924	2835	0.001	0.001	0.017	0.001	0.020	0.010	0.008	0.002
3R1 61-71*	0.027	-	-	-	-	-	0.018	-	0.013	-	0.001	-
4R1 30-36	0.066	0.029	9386	5409	0.002	0.003	0.001	0.001	0.028	0.026	0.008	0.002
5R2 25-35	0.021	0.002	3576	115.2	0.000	0.000	0.001	0.000	0.010	0.001	0.004	0.000
5R2 25-35*	0.015	-	-	-	-	-	-	-	0.007	-	0.001	-
6R3 24-34*	0.035	-	-	-	-	-	-	-	0.010	-	0.001	-
7R1 68-74	0.043	0.004	7045	430.8	0.002	0.000	0.039	0.001	0.011	0.002	0.003	0.000
8R1 73-82	0.023	0.010	5435	3223	0.001	0.001	0.174	0.004	0.020	0.013	0.012	0.002
8R1 73-88*	0.008	-	-	-	-	-	0.184	-	0.008	-	0.001	-
11R1 56-65	0.023	0.001	2395	211.8	0.001	0.000	0.001	0.000	0.017	0.002	0.007	0.000
11R1 56-65*	0.015	-	-	-	-	-	-	-	0.014	-	0.001	-
12R2 35-41	0.028	0.001	2816	157.8	0.001	0.000	0.001	0.000	0.013	0.001	0.003	0.001
13R1 8-14	0.031	0.001	2049	194.3	0.001	0.000	0.003	0.000	0.011	0.000	0.004	0.000
16R2 26-38*	0.014	-	-	-	0.001	-	0.001	-	0.009	-	0.001	-
17R2 27-33	0.052	0.003	5819	472.2	0.004	0.000	0.002	0.000	0.032	0.001	0.017	0.001
24R1 16-26	0.039	0.001	1859	220.8	0.006	0.001	0.003	0.000	0.280	0.006	0.019	0.000
24R1 16-26*	0.036	-	-	-	0.008	-	0.004	-	0.325	-	0.015	-
25R1 63-69	0.303	0.007	6685	228.4	0.003	0.000	0.002	0.000	0.011	0.002	0.003	0.000
26R1 76-82	0.020	0.002	2090	347.5	0.001	0.000	0.001	0.000	0.010	0.001	0.003	0.001
27R1 130-140	0.020	0.002	1150	144.9	0.000	0.000	0.000	0.000	0.013	0.001	0.009	0.001
27R1 130-140 *	0.017	-	-	-	-	-	0.001	-	0.012	-	0.001	-

Table 3.2. Trace element concentrations for whole rock abyssal peridotites from Hole 1274A, Ocean Drilling Program Leg 209. (*) denotes measurements performed by ICP MS at Universite de Montpellier. All other measurements performed by ICP MS at The Open University.

	La	s.d.	Ce	s.d.	Pr	s.d.	Sr	s.d.	Nd	s.d.	Zr	s.d.
1R1 40-46	0.006	0.001	0.013	0.001	0.001	0.000	501.8	7.852	0.004	0.001	0.431	0.006
2R1 31-37	0.075	0.002	0.187	0.006	0.029	0.001	1.545	0.262	0.143	0.003	1.990	0.041
3R1 61-71	0.006	0.007	0.023	0.033	0.002	0.002	5.851	0.140	0.005	0.009	0.415	0.059
3R1 61-71*	0.002	-	0.005	-	0.001	-	6.751	-	0.003	-	0.011	-
4R1 30-36	0.015	0.019	0.034	0.045	0.004	0.005	1.453	0.500	0.015	0.018	0.285	0.139
5R2 25-35	0.003	0.000	0.004	0.001	0.001	0.000	1.104	0.105	0.001	0.001	0.185	0.007
5R2 25-35*	-	-	0.002	-	-	-	0.825	-	-	-	0.008	-
6R3 24-34*	0.000	-	0.002	-	-	-	0.257	-	0.001	-	-	-
7R1 68-74	0.003	0.000	0.007	0.001	0.001	0.000	5.578	0.365	0.003	0.001	0.250	0.006
8R1 73-82	0.008	0.010	0.020	0.028	0.002	0.003	4.393	0.219	0.006	0.009	0.292	0.049
8R1 73-88*	0.001	-	0.003	-	0.000	-	4.614	-	0.001	-	0.007	-
11R1 56-65	0.004	0.001	0.008	0.001	0.001	0.000	1.146	0.147	0.003	0.000	0.313	0.009
11R1 56-65*	-	-	0.004	-	-	-	0.811	-	-	-	0.073	-
12R2 35-41	0.005	0.000	0.012	0.000	0.002	0.000	1.342	0.291	0.007	0.001	0.184	0.008
13R1 8-14	0.010	0.001	0.026	0.001	0.005	0.000	1.223	0.261	0.022	0.002	0.254	0.014
16R2 26-38*	0.002	-	0.003	-	0.001	-	0.952	-	0.003	-	0.052	-
17R2 27-33	0.014	0.001	0.028	0.002	0.003	0.000	1.346	0.214	0.012	0.002	0.310	0.011
24R1 16-26	0.179	0.004	0.483	0.007	0.085	0.002	1.698	0.107	0.443	0.009	1.447	0.021
24R1 16-26*	0.160	-	0.463	-	0.076	-	1.497	-	0.439	-	1.245	-
25R1 63-69	0.009	0.001	0.020	0.001	0.003	0.000	0.730	0.021	0.010	0.002	0.280	0.006
26R1 76-82	0.004	0.000	0.008	0.000	0.001	0.000	1.105	0.126	0.004	0.001	0.320	0.017
27R1 130-140	0.001	0.000	0.003	0.000	0.000	0.000	0.838	0.174	0.001	0.000	0.150	0.007
27R1 130-140 *	0.000	-	0.003	-	-	-	0.623	-	0.001	-	-	-

Table 3.2. continued

	Hf	s.d.	Sm	s.d.	Eu	s.d.	Ti	s.d.	Gd	s.d.	Tb	s.d.
1R1 40-46	0.002	0.001	0.002	0.001	0.000	0.000	28.39	1.132	0.004	0.000	0.001	0.000
2R1 31-37	0.043	0.002	0.046	0.003	0.013	0.001	305.1	8.409	0.069	0.003	0.014	0.001
3R1 61-71	0.003	0.001	0.002	0.003	0.001	0.001	33.19	6.122	0.004	0.004	0.001	0.000
3R1 61-71*	0.003	-	0.002	-	0.001	-	30.95	-	0.003	-	0.003	-
4R1 30-36	0.004	0.003	0.003	0.004	0.002	0.001	51.34	10.26	0.006	0.006	0.002	0.001
5R2 25-35	0.002	0.001	0.001	0.001	0.000	0.000	31.67	1.149	0.002	0.001	0.001	0.000
5R2 25-35*	-	-	-	-	0.001	-	32.50	-	0.002	-	0.002	-
6R3 24-34*	0.001	-	0.002	-	-	-	33.57	-	0.002	-	0.002	-
7R1 68-74	0.002	0.001	0.002	0.001	0.001	0.000	28.40	1.036	0.002	0.000	0.001	0.001
8R1 73-82	0.003	0.002	0.003	0.003	0.001	0.001	14.17	3.811	0.004	0.003	0.001	0.001
8R1 73-88*	0.001	-	0.002	-	0.001	-	12.09	-	0.002	-	0.002	-
11R1 56-65	0.003	0.001	0.001	0.001	0.001	0.000	29.22	1.246	0.003	0.001	0.001	0.000
11R1 56-65*	0.003	-	0.002	-	-	-	29.67	-	0.002	-	0.002	-
12R2 35-41	0.002	0.001	0.003	0.001	0.001	0.000	48.87	1.457	0.004	0.001	0.001	0.000
13R1 8-14	0.002	0.001	0.008	0.001	0.004	0.001	37.92	1.199	0.010	0.002	0.002	0.000
16R2 26-38*	0.006	-	0.004	-	0.002	-	89.78	-	0.009	-	0.009	-
17R2 27-33	0.005	0.001	0.004	0.001	0.001	0.000	67.09	1.813	0.005	0.001	0.002	0.000
24R1 16-26	0.041	0.003	0.162	0.005	0.051	0.002	266.1	8.574	0.227	0.008	0.043	0.002
24R1 16-26*	0.045	-	0.157	-	0.049	-	337.9	-	0.228	-	0.228	-
25R1 63-69	0.004	0.001	0.005	0.001	0.003	0.001	105.5	2.974	0.010	0.001	0.002	0.000
26R1 76-82	0.003	0.001	0.002	0.001	0.002	0.000	53.58	1.821	0.004	0.001	0.001	0.000
27R1 130-140	0.004	0.001	0.001	0.001	0.000	0.000	50.63	1.761	0.004	0.001	0.001	0.001
27R1 130-140 *	0.003	-	-	-	0.000	-	55.41	-	0.004	-	0.004	-

Table 3.2. continued

	Dy	s.d.	Ho	s.d.	Er	s.d.	Yb	s.d.	Lu	s.d.	Sc	s.d.
1R1 40-46	0.009	0.002	0.003	0.000	0.013	0.002	0.025	0.003	0.006	0.000	6.914	0.278
2R1 31-37	0.099	0.005	0.025	0.001	0.085	0.004	0.111	0.002	0.020	0.001	8.878	0.266
3R1 61-71	0.009	0.003	0.003	0.001	0.017	0.002	0.032	0.004	0.006	0.000	7.743	0.320
3R1 61-71*	0.011	-	0.004	-	0.016	-	0.032	-	0.007	-	-	-
4R1 30-36	0.011	0.003	0.004	0.001	0.018	0.004	0.032	0.003	0.006	0.001	7.910	0.335
5R2 25-35	0.010	0.002	0.003	0.000	0.015	0.002	0.028	0.002	0.006	0.000	7.270	0.189
5R2 25-35*	0.011	-	0.003	-	0.015	-	0.030	-	0.006	-	-	-
6R3 24-34*	0.012	-	0.004	-	0.018	-	0.035	-	0.008	-	-	-
7R1 68-74	0.009	0.001	0.003	0.000	0.016	0.001	0.033	0.003	0.007	0.001	8.428	0.295
8R1 73-82	0.005	0.002	0.001	0.000	0.007	0.002	0.013	0.001	0.003	0.000	4.303	0.185
8R1 73-88*	0.005	-	0.002	-	0.007	-	0.016	-	0.004	-	-	-
11R1 56-65	0.008	0.001	0.002	0.000	0.012	0.001	0.024	0.002	0.005	0.001	8.194	0.308
11R1 56-65*	0.007	-	0.002	-	0.011	-	0.024	-	0.005	-	-	-
12R2 35-41	0.009	0.002	0.003	0.000	0.015	0.001	0.028	0.002	0.006	0.001	8.809	0.314
13R1 8-14	0.016	0.002	0.005	0.001	0.018	0.001	0.026	0.002	0.006	0.001	7.675	0.251
16R2 26-38*	0.015	-	0.004	-	0.013	-	0.015	-	0.003	-	-	-
17R2 27-33	0.010	0.001	0.003	0.000	0.013	0.001	0.023	0.003	0.005	0.000	7.235	0.248
24R1 16-26	0.272	0.006	0.060	0.002	0.184	0.002	0.184	0.007	0.029	0.001	7.929	0.213
24R1 16-26*	0.294	-	0.064	-	0.183	-	0.183	-	0.032	-	-	-
25R1 63-69	0.016	0.001	0.003	0.000	0.013	0.001	0.017	0.002	0.003	0.000	6.105	0.206
26R1 76-82	0.008	0.002	0.002	0.000	0.008	0.001	0.011	0.002	0.002	0.000	5.235	0.190
27R1 130-140	0.008	0.001	0.002	0.000	0.010	0.001	0.013	0.002	0.003	0.000	5.928	0.148
27R1 130-140 *	0.010	-	0.003	-	0.010	-	0.016	-	0.003	-	-	-

Table 3.2. continued

	V	s.d.	Cr	s.d.	Co	s.d.	Ni	s.d.	Cu	s.d.	Zn	s.d.
1R1 40-46	28.52	0.941	2609	74.34	99.04	2.147	2032	45.20	3.320	0.079	39.46	0.769
2R1 31-37	43.05	0.895	2063	36.83	105.0	1.473	2087	26.03	30.56	0.342	49.00	0.556
3R1 61-71	28.59	1.243	1855	57.58	105.2	2.427	2178	54.46	4.880	0.101	41.01	1.004
3R1 61-71*	-	-	-	-	-	-	-	-	-	-	-	-
4R1 30-36	30.53	1.296	2176	70.42	104.0	2.294	2129	56.03	3.743	0.088	43.27	1.149
5R2 25-35	29.35	0.712	2427	41.25	104.1	1.787	2153	27.14	1.793	0.044	42.59	0.472
5R2 25-35*	-	-	-	-	-	-	-	-	-	-	-	-
6R3 24-34*	-	-	-	-	-	-	-	-	-	-	-	-
7R1 68-74	32.80	1.114	2140	48.07	102.0	2.458	2092	36.90	4.634	0.114	41.50	0.973
8R1 73-82	9.56	0.328	945.2	34.73	115.4	4.123	2436	73.88	4.311	0.111	43.55	1.289
8R1 73-88*	-	-	-	-	-	-	-	-	-	-	-	-
11R1 56-65	28.98	1.135	2176	59.70	99.89	2.985	2083	40.06	3.144	0.082	39.99	0.666
11R1 56-65*	-	-	-	-	-	-	-	-	-	-	-	-
12R2 35-41	30.82	0.887	1918	44.11	99.37	2.467	2046	40.40	2.899	0.071	39.55	0.759
13R1 8-14	27.50	0.875	2043	44.61	99.51	1.928	2054	37.99	3.938	0.089	38.82	0.661
16R2 26-38*	-	-	-	-	-	-	-	-	-	-	-	-
17R2 27-33	24.57	0.615	1913	29.63	97.97	1.240	2031	26.50	3.548	0.091	38.91	0.560
24R1 16-26	32.95	0.787	2039	46.10	93.67	1.467	1936	31.03	8.335	0.112	41.57	0.539
24R1 16-26*	-	-	-	-	-	-	-	-	-	-	-	-
25R1 63-69	21.79	0.721	1658	37.95	101.6	2.114	2156	29.48	5.204	0.077	43.23	0.927
26R1 76-82	20.53	0.703	2160	56.61	106.8	2.474	2276	54.73	19.97	0.264	43.40	0.809
27R1 130-140	19.78	0.617	1527	31.06	108.0	2.241	2287	34.51	14.93	0.300	41.46	0.742
27R1 130-140 *	-	-	-	-	-	-	-	-	-	-	-	-

Table 3.2. continued