

OFIOLITI - VOLUME 31 • N. 2 - DECEMBER 2006 - ERRATA CORRIGE

PETROGENESIS OF MANTLE PERIDOTITES FROM THE IZU-BONIN-MARIANA (IBM) FOREARC

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The Table 2 reported in the paper by Zanetti et al. (2006) is actually the continuation of Table 1, documenting the major and trace element composition of bulk rock.

The true Table 2, showing the major element mineral chemistry of selected samples, is reported below.

Please add it on your copy.

Table 2 - Major element mineral chemistry of representative samples.

sample mineral	SOUTH CHAMORRO 195 1200A 3R1 49-52				SOUTH CHAMORRO 195 1200A 6R1 93-96				SOUTH CHAMORRO 195 1200A 6R2 66-69			
	cpx	opx	sp	ol	cpx	opx	sp	ol	cpx	opx	sp	ol
SiO ₂	54.72	57.21	0.01	41.32	54.26	57.21	0.08	40.89	54.67	57.94	0.02	41.51
TiO ₂	0.03	0.03	0.00	0.00	0.08	0.03	0.09	0.00	0.06	0.04	0.08	0.00
Al ₂ O ₃	0.90	1.03	19.34	0.00	2.04	2.00	26.59	0.00	2.32	2.00	26.14	0.00
Cr ₂ O ₃	0.42	0.79	50.04	0.00	0.87	0.69	42.74	0.04	1.29	0.60	42.91	0.00
FeO _T	1.56	5.48	20.19	8.23	1.84	5.39	15.30	7.93	1.76	5.32	18.25	8.32
MnO	0.06		0.40	0.08	0.06	0.11	0.22	0.09	0.10		0.28	0.08
NiO		0.17	0.03	0.44		0.11	0.05	0.36		0.12	0.10	0.34
MgO	17.74	34.53	9.90	50.47	17.31	34.38	13.33	50.12	16.87	34.29	12.20	50.21
CaO	25.49	0.68	0.03	0.00	24.15	0.66	0.04	0.00	24.00	0.90	0.02	0.00
Na ₂ O	0.03	0.02			0.37	0.02			0.51	0.02		
K ₂ O		0.02			0.00	0.02			0.00	0.00		
Total	100.95	99.95	99.92	100.55	100.97	100.60	98.43	99.44	101.59	101.23	99.99	100.46
Mg#	0.95	0.92	0.47	0.92	0.94	0.92	0.61	0.92	0.94	0.92	0.56	0.91

sample mineral	SOUTH CHAMORRO 195 1200A 10R1 42-45				SOUTH CHAMORRO 195 1200B 1W1 56-59				SOUTH CHAMORRO 195 1200A 13R1 59-61			
	cpx	opx	sp	ol	cpx	opx	amph	sp	ol	opx	sp	ol
SiO ₂	55.08	57.41	0.07	41.18	54.20	57.50	56.79	0.07	41.31	57.19	0.02	41.31
TiO ₂	0.05	0.01	0.02	0.00	0.01	0.01	0.05	0.02	0.00	0.02	0.01	0.02
Al ₂ O ₃	1.60	1.57	21.47	0.00	1.35	1.20	2.93	18.03	0.00	1.13	19.30	0.00
Cr ₂ O ₃	0.87	0.69	46.60	0.14	0.73	0.43	0.92	49.22	0.02	0.35	47.62	0.07
FeO _T	1.81	5.19	18.77	7.80	1.82	5.48	2.22	20.61	7.98	5.77	22.11	8.28
MnO	0.06		0.25	0.09	0.08	0.13	0.08	0.29	0.17		0.36	0.16
NiO		0.14	0.04	0.39		0.13		0.07	0.41	0.16	0.05	0.49
MgO	18.26	34.81	11.68	50.88	18.21	35.18	23.26	10.24	50.28	34.58	9.15	50.09
CaO	23.84	0.98	0.02	0.03	23.37	0.65	13.29	0.01	0.02	0.41	0.02	0.00
Na ₂ O	0.35	0.02			0.10	0.00	0.30			0.01		
K ₂ O	0.01	0.01			0.01	0.01	0.02		0.00	0.01		
Total	101.93	100.84	98.92	100.51	99.88	100.72	99.85	98.55	100.18	99.63	98.63	100.44
Mg#	0.95	0.92	0.55	0.92	0.95	0.92	0.95	0.50	0.92	0.91	0.45	0.91

sample mineral	TORISHIMA 125 784A 45R1 108-110				CONICAL SEAMOUNT 125 779A 26R2 20-24				CONICAL SEAMOUNT 125 779A 22R1 60-62			
	cpx	opx	sp	ol	cpx	opx	sp	ol	cpx	opx	sp	ol
SiO ₂	53.84	57.89	0.10	41.72	55.07	57.12	0.05	41.17	55.10	58.54	0.04	41.41
TiO ₂	0.00	0.01	0.04	0.00	0.03	0.01	0.02	0.01	0.03	0.01	0.04	0.01
Al ₂ O ₃	1.55	1.37	22.47	0.00	0.85	2.18	31.33	0.00	0.57	0.59	10.34	0.00
Cr ₂ O ₃	0.92	0.51	43.01	0.01	0.39	0.53	36.27	0.04	0.79	0.36	57.95	0.05
FeO _T	2.07	5.46	20.14	8.17	1.51	5.97	16.12	8.29	1.70	5.44	20.53	8.16
MnO	0.01	0.18	0.28	0.15	0.13		0.23	0.13	0.08	0.15	0.34	0.11
NiO			0.04	0.26		0.15	0.09	0.39		0.12	0.03	0.33
MgO	17.84	35.60	11.47	50.48	18.34	35.53	14.74	51.44	18.37	36.25	9.75	51.27
CaO	24.45	0.69	0.02	0.00	25.25	0.49	0.05	0.00	24.21	0.51	0.01	0.01
Na ₂ O	0.12	0.01	0.01	0.02	0.03	0.01			0.33	0.01	0.00	0.00
K ₂ O	0.03	0.02	0.01	0.00	0.00	0.00			0.01	0.01	0.00	0.02
Total	100.82	101.73	97.58	100.82	101.59	101.99	98.90	101.47	101.18	101.99	99.02	101.36
Mg#	0.94	0.92	0.54	0.92	0.96	0.91	0.65	0.92	0.95	0.92	0.49	0.92