

Erratum

Solid solution between potassic-obertiite and potassic-fluoro-magnesio-arfvedsonite in a silica-rich lamproite from northeastern Mozambique by Peter ROBINSON*, Arne SOLLI, Ane ENGVIK, Muriel ERAMBERT, Bernard BINGEN, Henrik SCHIELLERUP and Fernando NJANGE (2008, vol. 20, p. 1011–1018, DOI: 10.1127/0935-1221/2008/0020-1874)

*Corresponding author, e-mail: Peter.Robinson@ngu.no

Some errors have been detected in the analytical tables associated with our article, specifically in Table 1 and, in the Supplementary Material, Tables 1X, 1Y and 1Z. This included the typographic error reporting TiO_2 as Ti_2O_3 , which was obviously never intended in such an oxidized rock and played no role in formulation. In one sample K_2O at 5.01 % was typed in as 2.21 %, but again played no role in formulation. The F + Cl corrections for a small subset of the analyses were also incorrect, but again played no role in formulation. The SrO amounts for three analyses were incorrectly typed, but yet again played no role in formulation. The corrected Table 1 is printed overleaf with all corrected errors indicated in red and the corrected Tables 1X, 1Y and 1Z with all corrected errors indicated in red now appear in the Supplementary Material, which is linked to this article and freely available on the GSW site of the journal, at <http://eurjmin.geoscienceworld.org/>.

The authors apologise for any inconvenience.

Table 1. Revised. Selected EMP analyses of amphiboles in wt% and calculated structural formulae (see text).

Point*	#34c	#8c	#37r	#35r	#33r	#9r	2#1	2#2	2#4	2#6	2#7	2#9	2#10	1#2	1#4	1#6	1#7	1#8	1#9	1#10
SiO ₂	52.88	53.39	54.81	55.56	55.40	55.22	53.08	53.47	54.03	53.88	53.89	53.83	54.65	53.78	53.86	54.82	54.34	53.39	53.98	55.85
TiO ₂	3.59	3.60	1.07	0.31	0.14	0.07	4.02	3.49	3.22	4.39	3.18	3.06	1.42	3.03	2.26	1.26	1.31	2.63	1.73	0.26
Al ₂ O ₃	0.16	0.10	0.05	0.03	0.03	0.04	0.15	0.12	0.09	0.11	0.10	0.07	0.07	0.09	0.06	0.07	0.04	0.07	0.06	0.05
Cr ₂ O ₃	0.00	0	0.02	0	0.08	0.09	0.09	0	0.03	0	0.04	0.09	0.08	0.08	0.08	0	0.02	0.10	0.04	0.11
FeO	13.48	13.34	11.92	12.41	12.21	12.75	14.08	13.78	12.27	12.15	12.68	11.94	13.17	11.87	13.14	10.10	13.67	18.17	16.36	11.32
MnO	0.33	0.28	0.33	0.29	0.19	0.19	0.24	0.40	0.36	0.32	0.31	0.40	0.33	0.27	0.35	0.26	0.37	0.42	0.38	0.20
MgO	13.15	13.39	15.36	15.63	15.69	15.36	12.63	13.28	14.36	13.19	14.00	14.59	14.65	14.56	14.21	16.87	14.04	9.29	11.66	16.79
CaO	1.33	1.55	2.07	1.20	1.28	1.31	1.27	1.37	1.44	1.04	1.16	1.39	1.91	1.41	1.41	2.96	1.87	0.74	0.91	1.58
SrO							0.13	0.18	0.15	0.15	0.15	0.19	0.19	0.17	0.17	0.17	0.17	0.00	0.00	0.00
Na ₂ O	5.96	6.30	5.59	6.39	6.49	6.33	6.11	6.34	6.21	6.46	6.28	6.23	5.84	6.13	6.08	5.27	5.83	6.26	6.40	6.28
K ₂ O	4.86	4.81	5.10	4.89	4.79	5.01	4.82	4.76	4.90	4.87	4.700	5.09	5.05	5.13	5.11	5.25	5.10	4.85	5.04	5.08
F	1.96		2.21	2.36	2.21		1.73	2.11	2.44	2.00	1.84	2.36	2.34	2.38	2.07	2.61	2.38	1.36	1.87	2.80
Cl	0		0.01	0	0.01		0	0	0	0	0.01	0	0.03	0	0.01	0	0.01	0.01	0	0.00
Total	96.87	96.76	97.60	98.06	97.57	96.35	97.61	98.21	98.51	97.72	97.58	98.26	98.53	97.90	97.92	98.55	98.74	96.71	97.64	99.13
FeO**	5.78	3.50	0.00	0.00	0.00	0.01	6.16	5.32	5.04	4.34	2.71	3.29	1.75	3.78	2.92	1.87	2.12	0.00	0.83	0.00
Fe ₂ O ₃ **	8.55	10.94	13.25	13.79	13.57	14.16	8.81	9.39	8.04	8.66	11.09	9.61	12.68	8.99	11.36	9.15	12.84	20.19	17.26	12.58
Corr.Tot	97.73	97.85	98.93	99.45	98.93	97.77	98.50	99.15	99.31	98.59	98.69	99.23	99.80	98.80	99.06	99.46	99.42	98.73	99.37	100.39
H ₂ O***	0.00	0.81	0.17	0.48	0.59	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.03	0.00	0.14
Corr.Tot	97.73	98.66	99.10	99.93	99.52	99.32	98.50	99.15	99.31	98.59	98.69	99.23	99.80	98.80	99.06	99.46	99.43	98.76	99.37	100.52
Si	7.97	7.94	8.00	8.00	8.00	8.00	7.97	7.94	7.97	8.00	7.98	7.94	7.99	7.96	7.97	7.98	8.000	8.00	8.00	8.00
Al	0.03	0.02	0.00	0.00	0.00	0.00	0.03	0.02	0.02	0.00	0.02	0.01	0.01	0.02	0.01	0.01	0.00	0.00	0.00	0.00
Ti		0.04					0.00	0.04	0.02	0.00		0.05	0.00	0.03	0.01	0.00				
T	8.000	8.000	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
Al			0.01	0.01	0.01	0.01	0.45	0.35	0.34	0.49	0.35	0.29	0.16	0.31	0.24	0.14	0.15	0.30	0.19	0.03
Ti	0.41	0.36	0.12	0.03	0.02	0.01	0.01	0.01	0.00	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01
Cr	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01
Fe ³⁺	0.97	1.22	1.46	1.49	1.47	1.54	1.00	1.05	0.89	0.97	1.24	1.07	1.40	1.00	1.27	1.00	1.42	2.28	1.92	1.36
Mg	2.95	2.97	3.34	3.35	3.38	3.32	2.83	2.94	3.16	2.92	3.09	3.21	3.19	3.21	3.14	3.66	3.08	2.07	2.58	3.58
Fe ²⁺	0.67	0.44	0.00	0.00	0.00	0.00	0.72	0.66	0.61	0.54	0.32	0.41	0.21	0.47	0.35	0.20	0.26	0.00	0.10	0.00
Mn		0.01	0.04	0.04	0.02	0.02				0.04		0.02	0.03				0.05	0.05	0.05	0.01
Na		0.000	0.04	0.08	0.10	0.09				0.02							0.04	0.28	0.14	0.14
C	5.00	5.00	5.00	5.000	5.000	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Fe ²⁺	0.06						0.05	0.00	0.01	0.02	0.02	0.03	0.01	0.03	0.04	0.03				
Mn	0.04	0.03					0.03	0.05	0.05	0.05	0.04	0.03	0.01	0.03	0.04	0.03				
Ca	0.21	0.25	0.32	0.19	0.20	0.20	0.20	0.22	0.23	0.16	0.19	0.22	0.30	0.22	0.22	0.46	0.29	0.12	0.14	0.24
Sr							0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00
Na		1.68	1.55	1.71	1.72	1.69	1.70	1.73	1.70	1.82	1.74	1.74	1.65	1.73	1.71	1.46	1.63	1.55	1.70	1.74
K			0.13	0.11	0.08	0.11							0.04				0.06	0.34	0.16	0.01
B	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
K	0.93	0.91	0.82	0.79	0.80	0.82	0.92	0.90	0.92	0.92	0.89	0.96	0.90	0.97	0.96	0.98	0.90	0.59	0.79	0.92
Na	0.06	0.09	0.82	0.79	0.80	0.82	0.08	0.10	0.08	0.01	0.06	0.04	0.03	0.03	0.04	0.03				
A	0.99	1.00	0.82	0.79	0.80	0.82	1.00	1.00	1.00	0.94	0.95	1.00	0.90	1.00	1.00	1.00	0.90	0.59	0.79	0.92
Total	15.99	16.00	15.82	15.79	15.80	15.82	16.00	16.00	16.00	15.94	15.95	16.00	15.90	16.00	16.00	16.00	15.90	15.59	15.79	15.92
F	0.93		1.02	1.08	1.01	1.01	0.82	0.99	1.14	0.94	0.86	1.10	1.08	1.11	0.97	1.20	1.11	0.64	0.88	1.27
Cl			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OH	0.00	0.80	0.17	0.46	0.57	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.13
O	1.07	1.20	0.81	0.46	0.42	0.50	1.18	1.01	0.86	1.06	1.14	0.90	0.91	0.89	1.03	0.80	0.89	1.33	1.12	0.60
W Anions	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

*Points indicated "c" and "r" are core and rim spot analyses. Points "2#" and "1#" are in traverses 2 and 1.

**Calculated from chosen formulation.

***Back-calculated from assigned OH of formulation.