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Erratum

Erratum to "Iron oxidation state in lower mantle mineral assemblages I. Empirical relations derived from high-pressure experiments" [Earth Planet. Sci. Lett. 222 (2004) 435–449]

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In Table 1 of the above article the wt.% oxide values and their totals for samples SL21, SL22 and SL23 are incorrect. The corrected and complete Table 1 is reprinted below. We apologise for any inconvenience that these errors may have caused.

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Table 1
Composition of starting materials and run products

Starting materials
(wt.% oxides)

Run#	SiO_2	TiO_2	Al_2O_3	Cr_2O_3	NiO	FeO	Fe_2O_3	MnO	MgO	CaO	Na_2O	Σox	Mg#	$Fe^{3+}/\Sigma Fe$
SL21	44.6	–	–	–	–	6.72 [a]	15.03	–	33.7	–	–	100.0	0.75	0.67
SL22	45.4	–	2.88	–	–	6.83 [a]	10.63	–	34.2	–	–	100.0	0.79	0.58
SL23	49.3	–	–	–	–	14.29 [a]	–	–	36.4	–	–	100.0	0.82	0.00
KLB1	44.5	0.16	3.59	0.31	0.25	8.10	–	0.12	39.2	3.44	0.30	99.97	0.90	0.00

High-pressure run products
(cations p.f.u.)

Run#	phase [b]	Si	Ti	Al	Cr	Ni	Fe [c]	Mn	Mg	Ca	Na	Σcat	Mg#	$Fe^{3+}/\Sigma Fe$ EELS	$Fe^{3+}/\Sigma Fe$ Möss
S2069	pv	0.984(20)	–	0.001(1)	–	–	0.108(3)	–	0.923(18)	–	–	2.015(27)	0.895	–	0.32(8)
	fp	0.001(1)	–	0.000(1)	–	–	0.318(3)	–	0.680(14)	–	–	0.999(14)	0.681	–	–
S2104	pv	0.930(19)	–	0.068(2)	–	–	0.158(6)	–	0.879(18)	–	–	2.036(26)	0.848	0.46(10)	0.43(8)
	fp	0.001(1)	–	0.004(1)	–	–	0.378(4)	–	0.614(12)	–	–	0.997(13)	0.618	0.09(5)	–
S2395	pv	0.980(29)	–	0.003(1)	–	–	0.127(11)	–	0.908(27)	–	–	2.019(42)	0.877	0.41(10)	0.38(20)
	fp	0.004(1)	–	0.000(1)	–	–	0.379(8)	–	0.613(18)	–	–	0.996(20)	0.617	0.13(5)	–
S2557	pv	0.932(19)	–	0.068(2)	–	–	0.153(6)	–	0.880(18)	–	–	2.033(26)	0.852	0.48(10)	0.45(20)
	fp	0.001(1)	–	0.003(1)	–	–	0.320(6)	–	0.673(13)	–	–	0.997(15)	0.678	0.00(2)	–
S2671	pv	0.947(28)	–	0.065(2)	–	–	0.125(9)	–	0.884(27)	–	–	2.020(40)	0.876	0.46(10)	0.32(20)
	fp	0.002(1)	–	0.008(1)	–	–	0.363(7)	–	0.621(19)	–	–	0.994(20)	0.631	0.18(10)	–
S2718	pv	0.963(19)	0.003(1)	0.052(2)	0.003(1)	0.001(1)	0.072(3)	0.001(1)	0.897(18)	0.014(1)	0.002(1)	2.008(27)	0.925	–	0.30(20) [d]
	fp	0.003(1)	0.000(1)	0.008(1)	0.004(1)	0.006(1)	0.154(3)	0.001(1)	0.809(16)	0.001(1)	0.012(1)	0.997(17)	0.840	0.03(3)	–
	mj	0.870(17)	0.001(1)	0.259(8)	0.004(1)	0.001(1)	0.064(2)	0.002(1)	0.721(14)	0.067(2)	0.016(1)	2.005(24)	0.918	0.25(5)	–
S2728	pv	0.958(19)	0.004(1)	0.042(1)	0.003(1)	0.000(1)	0.065(6)	0.001(1)	0.921(18)	0.018(1)	0.002(1)	2.016(27)	0.934	–	0.23(20) [d]
	fp	0.001(1)	0.000(1)	0.005(1)	0.003(1)	0.006(1)	0.144(4)	0.001(1)	0.828(17)	0.001(1)	0.009(1)	0.999(17)	0.851	0.02(2)	–
	mj	0.909(27)	0.000(1)	0.220(7)	0.006(1)	0.000(1)	0.057(3)	0.002(1)	0.689(21)	0.083(3)	0.019(1)	1.987(35)	0.923	0.40(10)	–

[a] Added as a stoichiometeric mixture of metallic Fe and Fe_2O_3.
[b] pv: perovskite; fp: ferropericlase; mj: majorite.
[c] Total iron.
[d] Determined from relative areas corrected for Fe^{3+} in majorite.