



Correction to: Ferric/ferrous ratio in silicate melts: a new model for 1 atm data with special emphasis on the effects of melt composition

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In the original article, the Table 3 is published incorrectly. The correct Table 3 is given below. The original article is updated.

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Table 3 Residual errors on $\log(X_{\text{FeO}1.5}/X_{\text{FeO}})$, $\log f\text{O}_2$ and $T^\circ\text{C}$: a comparison of present Model 4 and published empirical equations

	$\log(X_{\text{FeO}1.5}/X_{\text{FeO}})$		$\log f\text{O}_2$		$T^\circ\text{C}$	
	Δ^{av}	σ	Δ^{av}	σ	Δ^{av}	σ
Model 4						
The whole dataset ^a	0.000	0.078	0.00	0.38	-1	45
'Our' data ^b	-0.004	0.043	0.02	0.21	-3	29
'Previous' data ^c	0.003	0.098	-0.02	0.47	0	55
Kress and Carmichael (1991), Eq. 7						
The whole dataset	0.015	0.110	-0.08	0.56	7	64
'Our' data	0.010	0.100	-0.05	0.51	3	67
'Previous' data	0.019	0.117	-0.10	0.60	9	61
Jayasuriya et al. (2004), Eq. 12						
The whole dataset	0.026	0.307	-0.13	1.56	7	120
'Our' data	0.117	0.423	-0.59	2.15	45	159
'Our' data without P-rich ^d	0.002	0.087	-0.01	0.44	0	49
'Our' P-rich melts only ^e	1.250	0.690	-6.33	3.52	485	197
'Previous' data	-0.048	0.117	0.25	0.59	-24	56
Putirka (2016), Eq. 6b						
The whole dataset	0.021	0.134	-0.11	0.71	13	80
'Our' data	0.069	0.123	-0.36	0.65	40	80
'Previous' data	-0.017	0.132	0.09	0.69	-10	73
Putirka (2016), Eq. 7 ^f						
The whole dataset	-	-	0.00	0.65	-	-
'Our' data	-	-	-0.14	0.70	-	-
'Previous' data	-	-	0.12	0.56	-	-

^aAll 434 experiments included in Model 4

^bBorisov et al. (2013, 2015, 2017, present data), in total 195 experiments

^cSack et al. (1980), Thornber et al. (1980), Kilinc et al. (1983), Kress and Carmichael (1988, 1991), Moore et al. (1995), in total 239 experiments

^d18 P-rich compositions (Borisov et al., 2013, 2015) are excluded from 'our' data

^e18 P-rich compositions from Borisov et al. (2013, 2015)

^fThis equation from Putirka (2016) was specially derived to predict $\log f\text{O}_2$