

Appendix Table A3.

Viscosity dataset for granite melts and calculated viscosity using model grLA.

Source	MEASURED CALCULATED						
	H ₂ O (wt.%)	H ₂ O (mol.%)	P (kbar)	T (K)	log viscosity (Pa s)	log viscosity (Pa s)	calc-obs log units
Table 2	0.017	0.06	0.001	#####	12.71	12.70	-0.01
Table 2	0.017	0.06	0.001	#####	12.34	12.37	0.03
Table 2	0.017	0.06	0.001	#####	11.93	11.96	0.03
Table 2	0.017	0.06	0.001	#####	11.76	11.75	-0.01
Table 2	0.017	0.06	0.001	#####	11.53	11.56	0.03
Table 2	0.017	0.06	0.001	#####	11.37	11.37	0.00
Table 2	0.017	0.06	0.001	#####	11.29	11.29	0.00
Table 2	0.017	0.06	0.001	#####	11.14	11.19	0.05
Table 2	0.017	0.06	0.001	#####	11.00	11.00	0.00
Table 2	0.017	0.06	0.001	#####	10.94	10.92	-0.02
Table 2	0.017	0.06	0.001	#####	10.73	10.74	0.01
Table 2	0.017	0.06	0.001	#####	10.72	10.76	0.04
Table 2	0.017	0.06	0.001	#####	10.65	10.65	0.00
Table 2	0.017	0.06	0.001	#####	10.65	10.64	-0.01
Table 2	0.017	0.06	0.001	#####	10.59	10.58	-0.01
Table 2	0.017	0.06	0.001	#####	10.47	10.43	-0.04
Table 2	0.017	0.06	0.001	#####	10.42	10.47	0.05
Table 2	0.017	0.06	0.001	#####	10.30	10.30	0.00
Table 2	0.017	0.06	0.001	#####	10.26	10.25	-0.01
Table 2	0.017	0.06	0.001	#####	10.04	10.08	0.04
Table 2	0.017	0.06	0.001	#####	9.96	9.96	0.00
Table 2	0.017	0.06	0.001	#####	9.96	9.96	0.00
Table 2	0.017	0.06	0.001	#####	9.95	9.93	-0.02
Table 2	0.017	0.06	0.001	#####	9.89	9.87	-0.02
Table 2	0.017	0.06	0.001	#####	9.74	9.76	0.02
Table 2	0.017	0.06	0.001	#####	9.73	9.73	0.00
Table 2	0.017	0.06	0.001	#####	9.64	9.62	-0.02
Table 2	0.017	0.06	0.001	#####	9.63	9.63	0.00
Table 2	0.017	0.06	0.001	#####	9.51	9.49	-0.02
Table 2	0.017	0.06	0.001	#####	9.50	9.49	-0.01

Table 2	0.017	0.06	0.001	#####	9.47	9.49	0.02
Table 2	0.017	0.06	0.001	#####	9.41	9.40	-0.01
Table 2	0.017	0.06	0.001	#####	9.35	9.32	-0.03
Table 2	0.017	0.06	0.001	#####	9.27	9.25	-0.02
Table 2	0.017	0.06	0.001	#####	9.21	9.20	-0.01
Table 2	0.017	0.06	0.001	#####	9.18	9.20	0.02
Persikov et al. (1990)	2.10	7.27	0.5	1373	3.25	3.45	0.20
Persikov et al. (1990)	2.10	7.27	0.5	1073	5.10	6.26	1.16
Whittington et al. (2004)	2.83	9.62	0.001	811.5	10.07	9.73	-0.34
Whittington et al. (2004)	2.83	9.62	0.001	780.4	10.54	10.38	-0.16
Whittington et al. (2004)	2.83	9.62	0.001	771.6	10.94	10.57	-0.37
Whittington et al. (2004)	2.83	9.62	0.001	759.6	11.16	10.84	-0.32
Whittington et al. (2004)	2.83	9.62	0.001	744.4	11.38	11.20	-0.18
Whittington et al. (2004)	2.83	9.62	0.001	728.4	11.79	11.59	-0.20
Whittington et al. (2004)	2.83	9.62	0.001	707.6	12.17	12.12	-0.05
Persikov et al. (1990)	3.30	11.09	1	1473	2.25	2.30	0.05
Persikov et al. (1990)	3.30	11.09	1	1073	4.80	5.53	0.73
Whittington et al. (2004)	3.41	11.43	0.001	759.6	10.17	10.37	0.20
Whittington et al. (2004)	3.41	11.43	0.001	728.4	11.19	11.09	-0.10
Whittington et al. (2004)	3.41	11.43	0.001	719.1	10.91	11.32	0.41
Whittington et al. (2004)	3.41	11.43	0.001	708.8	11.56	11.58	0.02
Whittington et al. (2004)	3.41	11.43	0.001	697.6	11.76	11.87	0.11
Whittington et al. (2004)	3.41	11.43	0.001	677.2	12.14	12.42	0.28
Whittington et al. (2004)	3.41	11.43	0.001	658.1	12.88	12.97	0.09
Scaillet et al. (1996)	3.98	13.16	3	1373	3.10	2.71	-0.38
Scaillet et al. (1996)	3.98	13.16	3	1274	3.78	3.41	-0.37
Scaillet et al. (1996)	3.98	13.16	3	1180	4.45	4.18	-0.27
Shaw (1963)	4.30	14.11		1173	4.88	4.13	-0.75
Shaw (1963)	4.30	14.11		1123	5.17	4.60	-0.57
Shaw (1963)	4.30	14.11		1123	5.26	4.60	-0.66
Shaw (1963)	4.30	14.11		1073	5.45	5.10	-0.35
Shaw (1963)	4.30	14.11		1073	5.51	5.10	-0.41
Persikov et al. (1990)	5.20	16.70	2	1473	1.67	1.83	0.16
Persikov et al. (1990)	5.20	16.70	2	1073	3.97	4.79	0.82
Shaw (1963)	6.20	19.46		1123	4.25	4.03	-0.22
Shaw (1963)	6.20	19.46		1073	4.57	4.50	-0.07

Shaw (1963)	6.20	19.46		1073	4.63	4.50	-0.13
Shaw (1963)	6.20	19.46		1023	5.05	5.01	-0.04
Shaw (1963)	6.20	19.46		973	5.52	5.57	0.05
Scaillet et al. (1996)	6.66	20.69	5	1228	3.00	3.07	0.08
Scaillet et al. (1996)	6.66	20.69	5	1183	3.24	3.41	0.18
Scaillet et al. (1996)	6.66	20.69	5	1138	3.54	3.78	0.24
Scaillet et al. (1996)	6.66	20.69	8	1133	3.52	3.83	0.31
Scaillet et al. (1996)	6.66	20.69	5	1133	3.58	3.83	0.25
Scaillet et al. (1996)	6.66	20.69	5	1128	3.54	3.87	0.33
Scaillet et al. (1996)	6.66	20.69	6.5	1086	3.86	4.25	0.39
Scaillet et al. (1996)	6.66	20.69	5	1073	3.94	4.37	0.44
Persikov et al. (1990)	12.30	33.90	7	1223	2.40	2.23	-0.17
Persikov et al. (1990)	12.30	33.90	7	1123	3.20	2.91	-0.29