

APPENDIX C

Table C1: MLV44 Plagioclase Analyses

	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	BaO	Na ₂ O	K ₂ O	sum	XAn	XAb	XOr
Plag 1 Spot 1	62.7	0.02	23.8	0.35	0.01	5.20	0.17	7.81	0.95	101.0	25.4	69.1	5.6
Plag 1 Spot 2	62.6	0.02	23.1	0.27	0.02	4.87	0.16	8.01	1.12	100.1	23.5	70.0	6.4
Plag 1 Spot 3	62.9	0.01	23.2	0.26	0.02	4.64	0.17	8.29	1.17	100.6	22.1	71.3	6.6
Plag 1 Spot 4	63.0	0.01	23.4	0.25	0.00	5.02	0.07	8.52	1.16	101.5	23.0	70.7	6.3
Plag 1 Spot 5	63.2	0.01	22.7	0.33	0.02	4.82	0.11	7.94	1.19	100.4	23.4	69.7	6.9
Plag 1 Spot 6	68.0	0.08	18.8	0.61	0.09	3.75	0.09	5.87	1.86	99.2	22.6	64.0	13.3
Plag 1 Spot 7	63.4	0.04	23.5	0.25	0.00	5.04	0.14	8.31	1.04	101.6	23.7	70.6	5.8
Plag 1 Spot 8	62.2	0.03	22.8	0.34	0.00	4.80	0.20	8.19	0.96	99.6	23.1	71.4	5.5
Plag 1 Spot 9	61.9	0.01	22.8	0.43	0.03	4.52	0.29	8.08	1.38	99.4	21.7	70.4	7.9
Plag 1 Spot 10	61.9	0.01	23.3	0.42	0.00	4.96	0.26	7.80	1.16	99.8	24.2	69.0	6.7
Plag 1 Spot 11	63.6	0.04	23.7	0.22	0.02	5.00	0.24	7.87	1.01	101.7	24.5	69.7	5.9
Plag 1 Spot 12	62.2	0.03	24.3	0.27	0.00	5.34	0.19	7.73	0.88	100.9	26.2	68.6	5.2
Plag 1 Spot 13	61.8	0.01	24.2	0.30	0.00	5.84	0.17	8.00	0.92	101.3	27.3	67.6	5.1
Plag 1 Spot 14	67.3	0.07	19.9	0.51	0.03	4.10	0.00	6.38	1.69	99.9	23.2	65.4	11.4
Plag 2 Spot 1	62.5	0.01	23.8	0.22	0.12	4.90	0.05	7.61	0.91	100.7	24.8	69.7	5.5
Plag 2 Spot 2	62.3	0.01	23.1	0.14	0.11	4.57	0.04	7.81	1.07	99.8	22.9	70.7	6.4
Plag 2 Spot 3	62.7	0.00	23.2	0.13	0.15	4.34	0.05	8.09	1.12	100.3	21.4	72.1	6.6
Plag 2 Spot 4	62.8	0.00	23.4	0.12	0.02	4.72	0.05	8.32	1.11	101.2	22.3	71.4	6.3
Plag 2 Spot 5	63.0	0.02	22.7	0.20	0.01	4.52	0.01	7.74	1.14	100.1	22.7	70.4	6.8
Plag 2 Spot 6	67.8	0.07	18.8	0.59	0.08	3.73	0.07	5.57	1.84	98.9	23.3	63.0	13.7
Plag 2 Spot 8	62.0	0.02	22.8	0.33	0.03	4.79	0.19	8.17	0.95	99.6	23.1	71.4	5.5
Plag 2 Spot 9	61.7	0.00	22.8	0.32	0.01	4.41	0.18	8.05	1.27	99.4	21.5	71.1	7.4
Plag 2 Spot 10	61.7	0.00	23.2	0.40	0.03	4.94	0.04	7.69	1.14	99.5	24.4	68.9	6.7
Plag 2 Spot 11	63.4	0.03	23.7	0.19	0.01	4.97	0.06	7.85	0.98	101.4	24.4	69.8	5.7
Plag 2 Spot 12	62.0	0.02	24.3	0.26	0.30	5.32	0.11	7.70	0.87	100.9	26.2	68.7	5.1
Plag 2 Spot 13	61.6	0.02	24.2	0.00	0.30	5.81	0.13	7.98	0.62	101.0	27.7	68.8	3.5

Table C2: MLV44 Ilmenite and Titanomagnetite Analyses

	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	V ₂ O ₃	Cr ₂ O ₃	FeO	MnO	MgO	Total	mol% Ulv/ mol% Hem	mol% Mag/ mol% Ilm
Magnetite 1	0.07	11.3	3.16	43.6	0.82	0.34	39.4	0.31	1.78	100.7	31.1	60.1
Magnetite 2	0.07	10.6	2.09	46.8	0.33	0.02	37.5	0.71	2.00	100.1	29.5	65.3
Magnetite 3	0.12	10.8	2.24	46.0	0.53	0.03	38.4	0.60	1.78	100.5	29.9	64.0
Magnetite 4	0.18	11.0	3.07	43.5	0.77	0.31	38.6	0.38	1.83	99.7	30.7	60.6
Magnetite 5	0.11	11.0	2.40	45.5	0.68	0.12	38.4	0.40	2.14	100.7	30.4	62.9
Ilmenite 1	0.04	41.8	0.18	23.4	0.51	0.56	29.3	0.72	3.02	99.1	22.1	65.2
Ilmenite 2	0.11	41.4	0.34	24.4	0.56	0.16	28.2	0.77	2.99	99.0	23.1	64.0
Ilmenite 3	0.01	41.6	0.46	25.0	0.49	0.21	27.7	0.84	3.05	99.5	23.6	63.2
Ilmenite 4	0.12	41.9	0.34	23.3	0.43	0.15	28.8	0.77	3.09	98.9	22.1	64.7
Ilmenite 5	0.12	41.9	0.31	23.5	0.46	0.14	28.9	0.76	3.09	99.2	22.2	64.6
Ilmenite 6	0.14	42.0	0.32	23.0	0.47	0.20	28.9	0.66	3.11	98.9	21.8	65.1
Ilmenite 7	0.10	42.6	0.23	21.9	0.49	0.11	29.0	0.84	3.42	98.7	20.7	64.6
Ilmenite 8	0.04	42.8	0.13	21.3	0.49	0.10	29.6	0.86	3.37	98.8	20.2	65.3
Ilmenite 9	0.11	42.5	0.29	22.8	0.55	0.05	28.3	0.93	3.52	99.0	21.5	63.4
Ilmenite 10	0.16	41.7	0.40	23.7	0.40	0.10	28.4	0.81	3.14	98.8	22.5	64.0
Ilmenite 11	0.07	42.4	0.40	23.1	0.56	0.08	28.0	0.90	3.30	98.9	21.8	63.9
Ilmenite 12	0.12	41.5	0.40	24.5	0.46	0.16	28.0	0.75	3.15	99.0	23.2	63.4
Ilmenite 13	0.01	41.5	0.25	23.8	0.48	0.15	28.4	0.72	3.13	98.5	22.6	64.0
Ilmenite 14	0.17	41.9	0.26	23.4	0.48	0.11	28.9	0.80	3.15	99.3	22.1	64.4
Ilmenite 15	0.09	41.8	0.26	23.8	0.51	0.16	28.8	0.75	3.15	99.3	22.5	64.2

Mol% Ulv, mol% Ulvospinel (for magnetite); mol% Mag, mol% magnetite (for magnetite);
mol% Hem, mol% Hematite (for ilmenite); mol% Ilm, mol% Ilmenite (for ilmenite)

Table C3: FTIR Analyses of hydrous experimental glasses

Sample	P (MPa)	T (°C)	5400 ¹ (cm ⁻¹)	4500 ¹ (cm ⁻¹)	3550 ¹ (cm ⁻¹)	1630 ¹ (cm ⁻¹)	thickness (cm)	Density	wt% H ₂ O _m (5400 cm ⁻¹)	wt% H ₂ O _m (4500 cm ⁻¹)	wt% H ₂ O _m +OH ⁻¹ (3550 cm ⁻¹)	wt% H ₂ O _m (1630 cm ⁻¹)	wt% H ₂ O ¹
MLV36	250	750	0.11	0.03	2.00*	1.27*	0.0089	2296	6.13	1.33			7.46
MLV36			0.11	0.03	2.10*	1.28*	0.0089	2296	6.24	1.38			7.62
MLV36			0.11	0.02	2.10*	1.44*	0.0089	2296	6.24	1.17			7.42
MLV36	150	800	0.07	0.03	2.00*	1.36*	0.0082	2325	4.11	1.42			5.53
MLV36			0.08	0.02	1.97*	1.37*	0.0082	2325	4.87	1.15			6.02
MLV36			0.09	0.02	2.01*	1.28*	0.0082	2325	5.11	1.15			6.25
MLV36	200	750	0.08	0.02	2.00*	1.40*	0.007	2299	5.42	1.29			6.72
MLV36			0.08	0.02	2.10*	1.40*	0.007	2299	5.42	1.17			6.59
MLV36			0.08	0.02	2.03*	1.43*	0.007	2299	5.70	1.10			6.80
MLV36	50	950	0.02	0.02	1.92	0.71	0.0093	2371	1.02	1.04	1.96	1.06	2.08
MLV36			0.02	0.02	1.92	0.71	0.0093	2371	1.07	1.09	1.96	1.05	2.14
MLV44	100	800	0.03	0.02	1.94*	1.05	0.0058	2355	2.62	1.30		2.52	3.87
MLV44			0.03	0.02	1.96*	0.99	0.0058	2355	2.62	1.53		2.37	4.02
MLV44			0.04	0.02	1.98*	1.01	0.0058	2355	2.87	1.37		2.43	4.02
MLV44			0.03	0.02	1.99*	1.07	0.0058	2355	2.79	1.30		2.56	3.97
MLV44	50	950	0.01	0.01	1.19	0.35	0.007	2295	0.63	0.84	1.66	0.71	1.51
MLV44			0.01	0.01	1.26	0.39	0.007	2295	0.70	0.71	1.77	0.80	1.46
MLV44			0.01	0.01	1.28	0.37	0.007	2295	0.63	0.91	1.80	0.74	1.59
MLV44	200	825	0.06	0.02	2.09*	1.42	0.0071	2357	3.75	1.06		2.78	4.32
MLV44			0.06	0.02	2.07*	1.45	0.0071	2357	4.01	1.37		2.83	4.79
MLV44			0.06	0.03	2.10*	1.41*	0.0071	2357	3.75	1.62			5.36
TEQ34	250	850	0.11				0.0074	2358	6.74	0.00			6.74
TEQ34	250	850	0.10	0.01	1.90*	1.22*	0.0081	2358	6.09	0.76			6.86
TEQ34			0.10	0.02	1.70*	1.16*	0.0081	2358	5.80	1.31			7.11
TEQ34			0.09	0.02	1.73*	1.04*	0.0081	2358	5.27	0.98			6.26
TEQ34			0.10	0.02	1.66*	1.18*	0.0081	2358	5.63	0.93			6.55
TEQ34	150	900	0.04	0.02	2.13*	1.26	0.0067	2385	2.66	1.17		2.58	3.79
TEQ34			0.04	0.02	2.01*	1.14	0.0067	2385	2.73	1.50		2.34	4.04
TEQ34			0.03	0.02	1.88*	1.09	0.0067	2385	2.38	1.24		2.24	3.55
TEQ34			0.04	0.02	2.10*	1.06	0.0067	2385	2.80	1.17		2.18	3.66

¹Measured wavelengths; ²Densities calculated with the model of Lange (1997); *Peaks marked with an asterisk are saturated.

Table C4: Experimental Glass Analyses

Temperature (°C)	Pressure (MPa)	Duration (h)	Products	SiO ₂	TiO ₂	Al ₂ O ₃	FeO	MnO	MgO	CaO	Na ₂ O	K ₂ O	P ₂ O ₅	Total	liquid An#	wt% H ₂ O ¹	viscosity ² (log ₁₀ Pa s)
MLV44 Glass Compositions																	
750	300	120	Glass 1	68.3	0.16	12.1	1.49	0.01	1.02	0.77	3.20	4.55	0.05	91.7	5.80	7.54	4.40
			Glass 2	68.8	0.05	12.2	0.89	0.04	0.09	0.82	3.45	4.13	0.09	90.6	5.96	7.53	4.49
			Glass 3	68.9	0.08	12.1	0.92	0.04	0.13	0.80	3.45	4.32	0.02	90.7	5.77	7.56	4.45
			Glass 4	68.0	0.19	12.1	1.10	0.01	0.24	0.73	3.34	4.44	0.11	90.3	5.43	7.56	4.47
			Glass 5	69.7	0.05	12.2	0.82	0.01	0.04	0.77	3.72	4.41	0.02	91.7	5.31	7.61	4.41
			Glass 6	68.9	0.13	12.3	0.92	0.00	0.16	0.75	3.77	4.27	0.00	91.2	5.21	7.60	4.43
			Glass 7	68.6	0.36	12.2	1.10	0.07	0.13	0.78	3.36	4.34	0.11	91.1	5.74	7.54	4.53
			Average	68.8	0.15	12.2	1.04	0.03	0.26	0.77	3.47	4.35	0.05	91.0	5.60	7.56	4.45
			1σ	0.5	0.11	0.1	0.23	0.03	0.34	0.03	0.21	0.13	0.05	0.5	0.28	0.03	0.05
			Recalc Totals	75.5	0.16	13.4	1.14	0.03	0.28	0.85	3.81	4.78	0.06	100.0	5.60	7.56	4.45
750	250	120	Glass 1	69.5	0.17	12.3	1.32	0.07	0.45	0.78	3.39	4.75	0.07	92.7	5.68	6.88	4.51
			Glass 2	70.7	0.07	12.3	0.74	0.07	0.11	0.82	3.92	4.62	0.01	93.4	5.48	6.94	4.52
			Glass 3	69.8	0.17	12.3	0.87	0.01	0.17	0.84	3.84	4.35	0.07	92.5	5.75	6.90	4.58
			Glass 4	70.4	0.07	12.2	0.76	0.10	0.13	0.84	3.58	4.57	0.01	92.6	5.86	6.90	4.56
			Glass 5	70.5	0.12	12.3	0.73	0.05	0.14	0.82	3.81	4.49	0.10	93.0	5.53	6.91	4.59
			Glass 6	70.7	0.11	12.2	0.78	0.04	0.06	0.81	3.61	4.42	0.04	92.8	5.59	6.88	4.60
			Glass 7	70.7	0.08	12.3	0.93	0.12	0.16	0.77	3.76	4.58	0.00	93.4	5.28	6.92	4.52
			Average	70.3	0.11	12.3	0.88	0.06	0.17	0.81	3.70	4.54	0.02	92.9	5.59	6.90	4.55
			1σ	0.5	0.04	0.1	0.21	0.04	0.13	0.03	0.18	0.13	0.05	0.4	0.19	0.02	0.04
			Recalc Totals	75.7	0.12	13.2	0.94	0.07	0.19	0.87	3.98	4.89	0.02	100.0	5.59	6.90	4.55
750	250	48	Glass 1	69.2	0.22	12.6	1.22	0.03	0.28	0.82	3.63	4.63	0.12	92.5	5.89	6.88	4.52
			Glass 2	68.9	0.14	12.4	0.83	0.07	0.06	0.77	3.45	4.38	0.10	91.1	5.67	6.84	4.64
			Glass 3	69.7	0.17	12.5	0.96	0.02	0.09	0.75	3.66	4.36	0.02	92.2	5.34	6.86	4.60
			Glass 4	70.3	0.05	12.7	0.96	0.01	0.06	0.83	3.64	4.30	0.05	92.9	5.84	6.84	4.61
			Glass 5	70.0	0.14	12.5	0.94	0.08	0.12	0.79	3.73	4.45	0.02	92.8	5.53	6.88	4.56
			Glass 6	70.1	0.12	12.4	0.87	0.02	0.08	0.72	3.48	4.61	0.07	92.5	5.16	6.87	4.62
			Glass 7	70.0	0.11	12.7	1.06	0.04	0.23	0.83	3.72	4.60	0.06	93.3	5.81	6.88	4.55

				Glass 8	70.8	0.20	12.5	0.91	0.10	0.06	0.82	2.90	4.35	0.05	92.7	6.32	6.75	4.72
				Glass 9	69.4	0.07	12.5	0.85	0.05	0.07	0.82	3.63	4.42	0.02	91.8	5.80	6.87	4.58
				Average	69.8	0.14	12.5	0.96	0.04	0.12	0.79	3.54	4.46	0.01	92.4	5.70	6.85	4.60
				1 σ	0.6	0.05	0.1	0.12	0.04	0.08	0.04	0.26	0.13	0.07	0.7	0.34	0.04	0.06
				Recalc Totals	75.6	0.15	13.6	1.04	0.04	0.13	0.86	3.83	4.82	0.01	100.0	5.70	6.85	4.60
750	200	96		Glass1	71.0	0.09	12.7	0.92	0.11	0.08	0.86	3.12	4.47	0.00	92.2	6.45	6.03	4.85
				Glass2	70.6	0.21	12.8	1.37	0.01	0.21	0.88	3.19	4.80	0.09	92.9	6.58	6.06	4.81
				Glass3	71.2	0.06	12.5	1.03	0.04	0.07	0.85	3.22	4.65	0.01	92.5	6.23	6.07	4.81
				Glass4	71.2	0.09	12.8	0.96	0.11	0.07	0.84	3.90	4.33	0.04	92.1	5.69	6.10	4.74
				Glass5	71.0	0.09	13.0	1.00	0.01	0.12	0.81	2.92	4.30	0.01	92.0	6.35	5.98	4.93
				Average	71.0	0.11	12.8	1.06	0.06	0.11	0.85	3.27	4.51	0.03	92.3	6.24	6.05	4.83
				1 σ	0.2	0.06	0.2	0.18	0.05	0.06	0.03	0.37	0.21	0.04	0.4	0.34	0.04	0.07
				Recalc Totals	76.9	0.1	13.8	1.1	0.0	0.1	0.9	3.5	4.9	0.0	100.0	6.24	6.05	4.83
750	200	48		Glass1	71.0	0.09	12.4	0.66	0.01	0.12	0.84	3.38	4.62	0.10	93.0	5.98	6.09	4.80
				Glass2	71.6	0.11	12.5	0.66	0.03	0.07	0.82	3.33	4.35	0.01	93.5	5.90	6.06	4.88
				Glass3	70.7	0.08	12.5	0.75	0.05	0.10	0.79	3.36	4.47	0.07	92.9	5.74	6.07	4.85
				Glass4	71.0	0.12	12.8	0.67	0.05	0.08	0.80	3.60	4.41	0.06	93.4	5.69	6.07	4.82
				Glass5	70.9	0.20	12.7	0.79	0.00	0.04	0.80	4.01	4.45	0.02	94.0	5.38	6.13	4.78
				Glass6	70.5	0.10	12.6	0.96	0.01	0.04	0.76	3.64	4.61	0.10	93.3	5.37	6.11	4.79
				Glass7	70.8	0.15	12.8	0.68	0.05	0.09	0.88	3.63	4.59	0.02	93.7	6.16	6.09	4.81
				Glass8	70.9	0.18	12.8	0.81	0.01	0.08	0.87	3.75	4.68	0.07	94.2	5.99	6.11	4.80
				Glass9	71.5	0.13	12.6	0.75	0.02	0.07	0.82	4.05	4.62	0.05	94.5	5.37	6.16	4.75
				Glass10	71.3	0.12	12.5	0.70	0.05	0.07	0.84	3.28	4.39	0.00	93.3	6.12	6.05	4.87
				Glass11	71.1	0.14	12.7	0.81	0.05	0.06	0.84	3.40	4.41	0.05	93.4	6.07	6.06	4.88
				Average	71.0	0.13	12.6	0.75	0.02	0.07	0.82	3.58	4.51	0.02	93.6	5.79	6.09	4.82
				1 σ	0.3	0.04	0.1	0.09	0.03	0.02	0.03	0.27	0.12	0.06	0.5	0.31	0.03	0.05
				Recalc Totals	75.9	0.14	13.5	0.80	0.02	0.08	0.88	3.83	4.82	0.02	100.0	5.79	6.09	4.82
750	100	72		Glass 1	72.7	0.09	12.5	0.76	0.01	0.13	0.64	2.68	4.86	0.01	94.3	5.08	4.20	5.63
				Glass 2	72.3	0.13	12.2	0.99	0.01	0.22	0.54	3.59	4.89	0.07	94.7	3.73	4.26	5.43
				Glass 3	73.1	0.10	12.0	1.27	0.06	0.09	0.51	2.80	4.52	0.09	94.6	3.91	4.21	5.60
				Glass 4	75.0	0.14	12.3	1.13	0.07	0.08	0.52	2.76	4.83	0.06	96.8	3.96	4.21	5.61
				Glass 5	73.0	0.07	12.3	0.78	0.37	0.03	0.48	2.65	4.85	0.07	94.4	3.84	4.21	5.57
				Glass 6	72.4	0.05	12.8	0.89	0.05	0.08	0.62	3.02	4.83	0.14	94.8	4.73	4.21	5.61
				Glass 7	71.4	0.09	12.6	0.74	0.03	0.04	0.68	2.98	5.02	0.06	93.5	5.24	4.22	5.54

				Glass 8	73.4	0.21	12.2	1.16	0.18	0.26	0.65	3.38	4.65	0.05	96.1	4.53	4.24	5.47
				Glass 9	72.2	0.11	12.6	0.84	0.03	0.13	0.78	2.95	4.79	0.03	94.3	5.92	4.21	5.59
				Glass 10	73.8	0.10	12.5	0.66	0.05	0.03	0.79	3.22	4.55	0.00	95.7	5.61	4.22	5.59
				Glass 11	75.2	0.07	12.0	0.82	0.14	0.14	0.43	2.58	4.52	0.20	95.8	3.36	4.20	5.81
				Average	73.1	0.11	12.3	0.91	0.06	0.11	0.60	2.96	4.76	0.03	95.0	4.53	4.22	5.58
				1σ	1.2	0.04	0.2	0.20	0.13	0.07	0.12	0.32	0.17	0.09	1.0	0.84	0.02	0.10
				RecalcTotals	77.0	0.11	13.0	0.96	0.06	0.12	0.64	3.12	5.01	0.03	100.0	4.53	4.22	5.58
800	250	48		Glass 1	68.1	0.16	12.2	1.06	0.04	0.12	0.73	3.07	4.41	0.02	89.9	5.68	6.71	4.25
				Glass 2	68.3	0.16	12.3	1.01	0.01	0.11	0.75	3.72	4.47	0.07	90.9	5.35	6.80	4.18
				Glass 3	67.9	0.21	12.0	1.09	0.01	0.11	0.80	3.51	4.42	0.01	90.1	5.81	6.79	4.18
				Glass 4	67.9	0.11	12.0	1.03	0.07	0.14	0.77	3.74	4.50	0.02	90.2	5.42	6.83	4.11
				Glass 5	67.5	0.12	11.8	1.04	0.01	0.08	0.76	3.58	4.49	0.05	89.5	5.45	6.82	4.16
				Glass 6	68.0	0.18	12.5	1.12	0.04	0.11	0.76	3.89	4.50	0.07	91.2	5.37	6.81	4.15
				Glass 7	68.3	0.17	12.5	1.07	0.03	0.15	0.78	4.14	4.64	0.03	91.8	5.29	6.86	4.10
				Glass 8	68.0	0.13	12.0	1.05	0.05	0.08	0.71	3.75	4.28	0.02	90.1	5.03	6.81	4.15
				Glass 9	68.3	0.13	12.1	1.00	0.01	0.16	0.79	3.75	4.57	0.06	90.8	5.50	6.83	4.14
				Glass 10	68.0	0.18	12.4	1.08	0.02	0.12	0.76	3.88	4.88	0.01	91.3	5.33	6.85	4.09
				Glass 11	68.0	0.19	12.3	0.99	0.05	0.14	0.75	4.13	4.50	0.03	91.1	5.07	6.86	4.09
				Glass 12	68.2	0.14	12.3	0.96	0.06	0.14	0.72	3.61	4.67	0.06	90.8	5.23	6.81	4.17
				Glass 13	68.5	0.09	12.3	1.01	0.03	0.12	0.71	3.89	4.62	0.06	91.3	4.93	6.83	4.14
				Glass 14	68.4	0.19	12.5	0.89	0.01	0.15	0.70	4.02	4.80	0.06	91.8	4.83	6.85	4.13
				Average	68.1	0.15	12.2	1.03	0.02	0.12	0.75	3.76	4.55	0.03	90.8	5.30	6.82	4.15
				1σ	0.3	0.03	0.2	0.06	0.03	0.03	0.03	0.28	0.16	0.04	0.7	0.27	0.04	0.04
				RecalcTotals	75.0	0.17	13.5	1.13	0.02	0.14	0.83	4.15	5.02	0.03	100.0	5.30	6.82	4.15
800	150	48		Glass 1	71.8	0.21	12.7	1.07	0.00	0.14	0.87	3.52	4.59	0.04	95.0	6.10	5.09	4.69
				Glass 2	71.5	0.22	12.7	1.02	0.08	0.16	0.83	4.06	4.53	0.01	94.9	5.46	5.13	4.62
				Glass 3	71.7	0.14	12.7	1.08	0.07	0.12	0.73	3.83	4.59	0.02	95.0	4.96	5.11	4.63
				Glass 4	71.5	0.16	12.6	1.06	0.04	0.16	0.81	3.61	4.45	0.01	94.4	5.62	5.09	4.66
				Glass 5	71.8	0.18	12.5	1.10	0.04	0.14	0.80	3.82	4.55	0.06	94.9	5.40	5.12	4.61
				Glass 6	71.3	0.26	12.5	1.15	0.03	0.16	0.81	3.62	4.57	0.04	94.3	5.62	5.11	4.65
				Glass 7	71.2	0.16	12.5	1.13	0.07	0.13	0.77	3.99	4.48	0.01	94.5	5.15	5.13	4.60
				Glass 8	71.6	0.21	12.5	1.11	0.04	0.17	0.82	3.57	4.55	0.08	94.7	5.68	5.10	4.68
				Glass 9	71.4	0.12	12.5	1.10	0.03	0.16	0.84	3.70	4.52	0.00	94.4	5.72	5.11	4.63

			Glass 10	71.2	0.29	12.7	1.25	0.07	0.17	0.81	3.72	4.52	0.05	94.8	5.61	5.10	4.65
			Glass 11	71.9	0.19	12.6	1.13	0.04	0.13	0.83	3.79	4.53	0.03	95.1	5.64	5.11	4.64
			Average	71.5	0.20	12.6	1.11	0.02	0.15	0.81	3.75	4.53	0.01	94.7	5.54	5.11	4.64
			1 σ	0.2	0.05	0.1	0.06	0.05	0.02	0.04	0.17	0.04	0.04	0.3	0.30	0.01	0.03
			Recalc Totals	75.5	0.21	13.3	1.17	0.02	0.16	0.86	3.96	4.79	0.01	100.0	5.54	5.11	4.64
800	100	48	Glass 1	72.2	0.08	12.5	0.96	0.04	0.23	0.82	3.76	4.35	0.00	94.9	5.48	4.10	5.08
			Glass 2	72.4	0.12	12.5	1.15	0.08	0.09	0.80	3.74	4.46	0.01	95.4	5.40	4.10	5.04
			Glass 3	72.2	0.19	12.6	1.05	0.03	0.11	0.80	3.92	4.45	0.15	95.4	5.29	4.10	5.11
			Glass 4	72.0	0.15	12.5	1.09	0.04	0.14	0.81	3.45	4.61	0.04	94.7	5.68	4.09	5.07
			Glass 5	71.8	0.17	12.4	1.24	0.05	0.16	0.87	3.83	4.78	0.05	95.3	5.77	4.12	4.96
			Glass 6	72.1	0.18	12.4	1.17	0.00	0.14	0.81	3.82	4.54	0.02	95.3	5.41	4.11	5.03
			Glass 7	72.0	0.18	12.5	1.10	0.12	0.06	0.79	4.26	4.72	0.00	95.7	5.02	4.14	4.94
			Glass 8	72.1	0.21	12.3	0.93	0.02	0.19	0.80	4.08	4.69	0.04	95.3	5.19	4.13	4.99
			Average	72.1	0.16	12.5	1.09	0.03	0.14	0.81	3.86	4.58	0.00	95.2	5.40	4.11	5.03
			1 σ	0.2	0.04	0.1	0.11	0.05	0.05	0.02	0.24	0.15	0.06	0.3	0.24	0.02	0.06
			Recalc Totals	75.7	0.17	13.1	1.14	0.03	0.15	0.85	4.05	4.80	0.00	100.0	5.40	4.11	5.03
850	200	48	Glass 1	70.8	0.21	12.5	1.22	0.00	0.27	0.88	3.73	4.61	0.03	94.3	6.03	5.89	3.97
			Glass 2	71.1	0.16	12.5	1.15	0.02	0.20	0.86	3.95	4.66	0.08	94.6	5.71	5.92	3.96
			Glass 3	70.7	0.21	12.3	1.27	0.01	0.16	0.83	4.15	4.16	0.04	93.9	5.36	5.91	3.96
			Glass 4	70.0	0.20	12.2	1.11	0.02	0.18	0.81	4.24	4.34	0.00	93.0	5.24	5.94	3.93
			Glass 5	71.0	0.21	12.4	1.10	0.00	0.12	0.84	3.59	4.73	0.15	94.1	5.84	5.89	4.04
			Glass 6	71.0	0.20	12.7	1.12	0.08	0.25	0.82	3.80	4.58	0.08	94.6	5.62	5.88	4.00
			Glass 7	71.2	0.12	12.8	1.16	0.00	0.23	0.85	4.35	4.17	0.04	94.9	5.47	5.91	3.95
			Glass 8	70.4	0.22	12.4	1.14	0.03	0.17	0.77	4.00	4.64	0.23	94.0	5.15	5.93	4.00
			Average	70.8	0.19	12.5	1.16	0.01	0.20	0.83	3.98	4.49	0.08	94.2	5.55	5.91	3.98
			1 σ	0.4	0.03	0.2	0.06	0.03	0.05	0.03	0.26	0.23	0.07	0.6	0.30	0.02	0.03
			Recalc Totals	75.2	0.20	13.2	1.23	0.01	0.21	0.88	4.22	4.76	0.09	100.0	5.55	5.91	3.98
850	150	48	Glass 1	69.2	0.26	13.0	1.19	0.01	0.23	0.87	4.10	4.41	0.12	93.3	5.91	4.99	4.24
			Glass 2	70.4	0.19	12.6	1.13	0.00	0.17	1.10	3.98	4.44	0.08	94.1	7.29	5.00	4.22
			Glass 3	68.7	0.23	13.0	1.22	0.04	0.24	0.93	4.43	4.26	0.04	93.1	6.17	5.00	4.15
			Glass 4	70.3	0.26	12.6	1.16	0.05	0.20	0.86	3.67	4.47	0.01	93.5	6.03	4.97	4.28

				Glass 5	70.9	0.21	12.9	1.13	0.00	0.24	0.90	3.96	4.36	0.03	94.6	6.04	4.98	4.26
				Glass 6	69.5	0.17	12.9	1.24	0.06	0.23	0.82	4.09	4.28	0.09	93.4	5.60	4.98	4.24
				Glass 7	71.0	0.17	12.3	1.10	0.01	0.24	0.85	4.14	4.39	0.07	94.3	5.46	5.02	4.22
				Glass 8	72.4	0.25	12.6	1.17	0.05	0.22	0.83	3.95	4.48	0.01	95.9	5.43	5.00	4.26
				Glass 9	72.4	0.25	12.5	1.25	0.03	0.22	0.80	4.04	4.71	0.02	96.1	5.22	5.02	4.19
				Glass 10	72.2	0.22	12.4	1.17	0.00	0.22	0.83	4.10	4.50	0.04	95.6	5.32	5.02	4.20
				Glass 11	72.4	0.19	12.6	1.20	0.10	0.18	0.79	3.88	4.51	0.02	95.8	5.27	4.99	4.25
				Glass 12	72.2	0.18	12.6	1.10	0.09	0.28	0.85	3.79	4.52	0.04	95.7	5.70	4.99	4.26
				Glass 13	72.5	0.17	12.6	1.12	0.01	0.28	0.80	3.71	4.60	0.08	95.9	5.44	4.99	4.30
				Glass 14	71.9	0.25	12.5	1.20	0.02	0.21	0.78	4.31	4.41	0.01	95.6	4.92	5.03	4.19
				Glass 15	72.3	0.25	12.6	1.14	0.01	0.20	0.86	3.95	4.65	0.04	96.0	5.67	5.00	4.24
				Glass 16	72.2	0.19	12.5	1.24	0.01	0.24	0.87	4.15	4.76	0.13	96.3	5.53	5.03	4.20
				Glass 17	71.4	0.17	12.5	1.17	0.00	0.20	0.85	3.89	4.59	0.01	94.8	5.70	5.00	4.22
				Glass 18	71.9	0.22	12.6	1.16	0.09	0.26	0.84	4.23	4.55	0.07	95.9	5.38	5.02	4.20
				Glass 19	71.6	0.14	12.5	1.19	0.01	0.23	0.88	3.77	4.68	0.08	95.1	5.94	5.00	4.25
				Glass 20	71.7	0.26	12.7	1.18	0.06	0.18	0.85	3.81	4.52	0.10	95.4	5.77	4.98	4.29
				Average	71.4	0.21	12.6	1.17	0.02	0.22	0.86	4.00	4.50	0.04	95.0	5.68	5.00	4.23
				1 σ	1.2	0.04	0.2	0.04	0.04	0.03	0.07	0.20	0.14	0.05	1.1	0.49	0.02	0.04
				Recalc Totals	75.1	0.22	13.3	1.23	0.02	0.24	0.90	4.21	4.74	0.04	100.0	5.68	5.00	4.23
850	100	48		Glass 1	72.3	0.19	12.5	1.21	0.05	0.21	0.82	3.58	4.77	0.02	95.6	5.66	3.96	4.66
				Glass 2	72.3	0.23	12.7	1.19	0.03	0.23	0.82	3.98	4.59	0.06	96.1	5.38	3.97	4.66
				Glass 3	72.1	0.14	12.6	1.20	0.03	0.22	0.83	3.75	4.54	0.08	95.5	5.62	3.96	4.71
				Glass 4	71.8	0.21	12.9	1.16	0.05	0.19	0.76	3.91	4.71	0.05	95.7	5.13	3.97	4.66
				Glass 5	72.3	0.23	12.8	1.23	0.03	0.19	0.76	4.18	4.71	0.12	96.4	4.90	3.99	4.65
				Glass 6	72.2	0.16	12.9	1.20	0.03	0.18	0.81	4.00	4.67	0.06	96.1	5.39	3.97	4.66
				Glass 7	71.9	0.21	12.7	1.26	0.02	0.25	0.79	4.03	4.72	0.03	95.9	5.18	3.98	4.61
				Glass 8	72.6	0.23	12.7	1.24	0.04	0.22	0.81	3.84	4.64	0.10	96.2	5.37	3.97	4.61
				Glass 9	71.5	0.20	12.6	1.29	0.03	0.18	0.82	3.48	4.92	0.01	95.0	5.80	3.96	4.65
				Glass 10	71.7	0.22	12.8	1.26	0.10	0.18	0.80	3.76	4.59	0.00	95.4	5.50	3.96	4.65
				Average	72.1	0.20	12.7	1.22	0.02	0.20	0.80	3.85	4.68	0.03	95.8	5.39	3.97	4.65
				1 σ	0.3	0.03	0.1	0.04	0.04	0.02	0.03	0.21	0.11	0.06	0.4	0.27	0.01	0.03
				Recalc Totals	75.2	0.21	13.3	1.28	0.02	0.21	0.84	4.02	4.89	0.03	100.0	5.39	3.97	4.65
950	50	48		Glass1	73.8	0.26	13.4	1.09	0.06	0.23	0.8	3.1	4.73	0.01	97.5	5.97	2.46	4.88

				Glass2	73.2	0.26	13.2	1.16	0.04	0.21	0.73	3.4	4.77	0.05	96.9	5.25	2.47	4.79
				Glass3	73.5	0.24	13.2	1.24	0.05	0.19	0.8	3.81	5.23	0.03	98.2	5.41	2.49	4.70
				Glass4	73.3	0.23	13.1	1.16	0.07	0.22	0.8	3.43	4.99	0.19	97.4	5.67	2.48	4.90
				Glass5	72.8	0.21	13.2	1.26	0.02	0.2	0.76	3.61	4.82	0.04	96.9	5.34	2.48	4.78
				Glass6	72.9	0.22	13.2	1.25	0	0.2	0.82	3.21	4.67	0.14	96.6	6.04	2.47	4.94
				Glass7	72.7	0.17	12.9	1.13	0.04	0.26	0.89	3.63	4.64	0	96.3	6.12	2.48	4.77
				Average	73.2	0.23	13.2	1.18	0.00	0.22	0.80	3.46	4.84	0.05	97.1	5.68	2.48	4.82
				1 σ	0.4	0.03	0.1	0.07	0.05	0.02	0.05	0.25	0.21	0.08	0.6	0.36	0.01	0.08
				Recalc Totals	75.3	0.23	13.6	1.22	0.00	0.22	0.82	3.56	4.98	0.05	100.0	5.68	2.48	4.82
950	30	48		Glass1	71.2	0.35	13.2	1.31	0.17	0.13	0.83	4.12	6.10	0.03	97.4	5.58	1.88	4.91
				Glass2	74.4	0.29	12.5	1.27	0.07	0.17	0.80	2.77	6.50	0.05	98.8	6.04	1.87	5.21
				Glass3	73.7	0.22	12.6	1.40	0.00	0.21	0.79	2.87	6.03	0.08	98.0	5.94	1.87	5.29
				Glass4	73.1	0.22	12.0	1.36	0.01	0.17	0.77	2.88	6.29	0.03	96.9	5.72	1.87	5.20
				Glass5	73.5	0.22	12.9	1.45	0.05	0.22	0.77	2.79	5.84	0.03	97.8	5.97	1.86	5.27
				Glass6	73.9	0.18	12.8	1.12	0.00	0.24	0.81	2.75	5.89	0.01	97.7	6.25	1.86	5.35
				Glass7	73.5	0.26	12.7	1.41	0.01	0.15	0.82	2.94	6.26	0.00	98.0	6.10	1.87	5.16
				Glass8	73.4	0.20	12.5	1.35	0.00	0.20	0.79	3.25	5.95	0.01	97.7	5.61	1.87	5.18
				Average	73.4	0.24	12.6	1.33	0.04	0.19	0.80	3.05	6.10	0.03	97.8	5.88	1.87	5.20
				1 σ	0.9	0.06	0.3	0.11	0.06	0.04	0.02	0.46	0.23	0.03	0.5	0.24	0.01	0.13
				Recalc Totals	75.0	0.25	12.9	1.36	0.04	0.19	0.82	3.12	6.24	0.03	100.0	5.88	1.87	5.20

MLV36 GLASS COMPOSITIONS

750	300	120		Glass1	68.0	0.22	12.7	1.21	0.01	0.16	1.16	3.57	4.15	0.03	91.2	8.32	7.50	4.45
				Glass2	68.3	0.13	12.8	1.02	0.03	0.12	1.28	2.74	4.09	0.15	90.7	10.25	7.34	4.61
				Glass3	65.3	1.04	12.6	2.73	0.00	0.72	1.15	3.32	4.24	0.08	91.2	8.82	7.48	4.55
				Glass4	68.7	0.16	12.9	1.00	0.08	0.17	1.08	4.01	4.18	0.03	92.2	7.38	7.57	4.38
				Glass5	68.0	0.12	12.9	1.00	0.05	0.10	1.12	3.44	4.13	0.04	90.9	8.23	7.46	4.48
				Glass6	68.3	0.14	12.7	1.03	0.04	0.14	1.13	2.84	4.24	0.07	90.6	9.00	7.39	4.56
				Glass7	68.1	0.07	12.9	1.00	0.08	0.13	1.10	3.50	4.00	0.07	91.0	8.04	7.46	4.47
				Glass8	68.5	0.10	12.9	1.00	0.02	0.06	1.15	3.88	4.10	0.02	91.7	7.95	7.53	4.41
				Glass9	69.1	0.12	12.9	0.97	0.00	0.13	1.13	3.81	4.32	0.02	92.6	7.84	7.54	4.41
				Average	68.0	0.23	12.8	1.22	0.03	0.19	1.15	3.46	4.16	0.05	91.3	8.37	7.47	4.47
				1 σ	1.1	0.30	0.1	0.57	0.03	0.20	0.06	0.44	0.10	0.05	0.7	0.84	0.07	6.15

				Recalc Totals	74.5	0.25	14.0	1.33	0.04	0.21	1.25	3.78	4.56	0.06	100.0	8.37	7.47	4.47
750	250	144	Glass1	70.8	0.11	13.3	0.75	0.01	0.06	1.14	4.08	4.15	0.03	94.4	7.57	6.84	4.59	
			Glass2	70.9	0.15	13.2	1.01	0.04	0.21	1.10	3.87	4.46	0.00	94.9	7.44	6.85	4.55	
			Glass3	71.3	0.10	13.1	0.90	0.08	0.09	1.14	3.94	4.33	0.15	95.1	7.61	6.85	4.59	
			Glass4	70.4	0.10	13.1	0.86	0.05	0.16	1.16	4.29	4.35	0.02	94.5	7.51	6.90	4.50	
			Glass5	70.8	0.11	13.1	0.77	0.02	0.03	1.14	4.09	4.34	0.05	94.4	7.50	6.87	4.56	
			Glass6	71.3	0.11	13.7	0.75	0.07	0.10	1.21	4.32	4.09	0.24	95.9	7.86	6.84	4.62	
			Glass7	70.0	0.18	13.2	1.76	0.08	0.07	1.12	4.07	4.37	0.04	94.7	7.53	6.87	4.44	
			Glass8	70.3	0.12	13.3	0.99	0.06	0.16	1.05	3.83	4.34	0.05	94.1	7.30	6.82	4.56	
			Glass9	70.2	0.16	13.1	0.89	0.01	0.17	1.09	3.94	4.24	0.10	93.8	7.40	6.85	4.60	
			Glass10	70.8	0.22	13.1	0.94	0.05	0.23	1.13	4.17	4.29	0.22	95.1	7.41	6.88	4.60	
			Average	70.7	0.13	13.2	0.96	0.03	0.13	1.13	4.06	4.30	0.07	94.7	7.51	6.86	4.56	
			1 σ	0.4	0.04	0.2	0.29	0.05	0.07	0.04	0.17	0.11	0.10	0.6	0.15	0.02	0.06	
			Recalc Totals	74.6	0.14	14.0	1.01	0.03	0.13	1.19	4.29	4.54	0.08	100.0	7.51	6.86	4.56	
750	250	120	Glass1	68.2	0.18	12.3	0.70	0.03	0.07	1.10	3.93	4.14	0.04	90.7	7.46	6.89	4.57	
			Glass2	68.7	0.13	12.3	0.79	0.04	0.05	1.04	4.09	3.92	0.05	91.1	6.91	6.89	4.57	
			Glass3	67.9	0.13	12.2	0.82	0.09	0.12	1.09	3.61	3.92	0.01	89.9	7.70	6.83	4.59	
			Glass4	67.9	0.19	12.2	0.65	0.08	0.07	1.07	3.71	3.90	0.03	89.8	7.46	6.85	4.63	
			Glass5	68.0	0.12	12.4	0.74	0.03	0.08	1.12	3.93	4.03	0.14	90.5	7.62	6.87	4.60	
			Glass6	68.3	0.11	12.5	0.76	0.06	0.16	1.04	3.87	4.15	0.05	90.9	7.14	6.87	4.54	
			Glass7	67.9	0.14	12.5	0.80	0.03	0.15	1.14	3.91	4.03	0.00	90.6	7.79	6.87	4.55	
			Glass8	67.7	0.11	12.6	0.74	0.07	0.13	1.15	4.16	3.97	0.12	90.7	7.71	6.89	4.55	
			Average	68.1	0.14	12.4	0.75	0.04	0.10	1.09	3.90	4.01	0.04	90.5	7.47	6.87	4.57	
			1 σ	0.3	0.03	0.1	0.06	0.05	0.04	0.04	0.18	0.10	0.07	0.5	0.31	0.02	0.03	
			Recalc Totals	75.2	0.15	13.7	0.83	0.04	0.11	1.21	4.31	4.43	0.04	100.0	7.47	6.87	4.57	
750	220	48	Glass1	71.3	0.13	13.2	0.79	0.06	0.09	1.15	2.77	3.53	0.00	93.0	9.01	6.19	4.97	
			Glass3	71.4	0.15	13.1	0.86	0.02	0.14	1.11	2.80	3.42	0.01	93.1	8.67	6.19	4.98	
			Glass4	70.9	0.14	12.9	0.85	0.03	0.10	0.96	2.74	3.55	0.02	92.2	7.65	6.20	4.96	
			Glass5	71.7	0.17	13.1	0.73	0.02	0.11	1.03	2.95	3.67	0.03	93.4	7.90	6.23	4.95	
			Glass6	70.8	0.13	13.1	0.77	0.06	0.10	1.05	2.66	3.27	0.01	91.9	8.45	6.16	5.01	
			Glass7	71.2	0.10	13.0	0.75	0.01	0.12	1.20	2.77	3.59	0.03	92.8	9.35	6.20	4.96	

				Glass8	71.8	0.10	13.1	0.72	0.02	0.12	1.07	2.65	3.69	0.01	93.3	8.53	6.19	4.98
				Glass9	71.7	0.12	13.1	0.74	0.03	0.12	1.08	2.87	3.47	0.01	93.2	8.34	6.20	4.96
				Glass10	71.4	0.14	13.2	0.84	0.03	0.11	1.09	3.33	3.67	0.01	93.8	7.87	6.27	4.87
				Glass11	72.1	0.12	13.0	0.61	0.02	0.09	1.08	2.41	2.95	0.00	92.4	8.90	6.11	5.12
				Glass12	71.4	0.09	13.2	0.67	0.05	0.11	1.16	2.91	3.56	0.02	93.2	8.88	6.20	4.95
				Glass13	71.4	0.15	13.1	0.70	0.01	0.09	1.10	2.88	3.45	0.01	92.8	8.49	6.20	4.97
				Glass14	71.6	0.17	13.1	0.78	0.04	0.23	1.03	2.87	3.60	0.05	93.4	7.99	6.22	4.97
				Glass16	71.8	0.17	13.1	0.65	0.00	0.10	1.07	3.15	3.88	0.02	93.9	7.93	6.27	4.90
				Glass17	71.4	0.10	13.2	0.72	0.02	0.12	1.10	2.70	3.47	0.01	92.8	8.77	6.17	5.00
				Glass18	70.7	0.13	12.9	0.69	0.02	0.11	1.14	2.72	3.19	0.03	91.6	9.00	6.17	5.02
				Glass19	71.0	0.09	12.9	0.72	0.04	0.10	1.16	2.56	3.32	0.13	92.0	9.42	6.16	5.06
				Average	71.4	0.13	13.1	0.74	0.03	0.11	1.09	2.81	3.49	0.02	92.9	8.54	6.20	4.98
				1σ	0.4	0.03	0.1	0.07	0.02	0.03	0.06	0.21	0.22	0.03	0.7	0.53	0.04	0.06
				Recalc Totals	76.9	0.14	14.1	0.80	0.03	0.12	1.18	3.02	3.76	0.02	100.0	8.54	6.20	4.98
	750	200	48	Glass1	68.1	0.17	12.9	2.09	0.02	0.31	1.09	3.56	4.38	0.08	92.6	7.92	6.06	4.64
				Glass2	69.5	0.10	13.1	1.17	0.04	0.16	1.14	3.77	4.06	0.04	93.1	7.96	6.05	4.74
				Glass3	69.5	0.44	13.0	1.29	0.09	0.11	1.14	3.98	4.10	0.13	93.8	7.71	6.08	4.81
				Glass4	69.9	0.16	13.0	1.06	0.03	0.16	1.05	3.21	4.52	0.03	93.1	7.88	6.02	4.84
				Glass5	70.1	0.14	13.1	1.12	0.04	0.10	1.05	4.19	4.37	0.07	94.2	6.94	6.12	4.69
				Glass6	70.8	0.11	12.9	0.85	0.07	0.11	1.13	4.02	3.94	0.04	93.9	7.47	6.08	4.76
				Glass7	69.7	0.08	13.1	1.22	0.05	0.08	1.13	3.91	4.20	0.08	93.5	7.70	6.07	4.73
				Glass8	69.9	0.16	13.2	0.97	0.07	0.09	1.10	4.14	4.16	0.06	93.7	7.32	6.09	4.72
				Average	69.7	0.17	13.0	1.22	0.04	0.14	1.10	3.85	4.22	0.01	93.5	7.60	6.07	4.74
				1σ	0.8	0.11	0.1	0.38	0.04	0.08	0.04	0.33	0.19	0.07	0.5	0.35	0.03	0.06
				Recalc Totals	74.5	0.18	13.9	1.31	0.05	0.15	1.18	4.12	4.51	0.01	100.0	7.60	6.07	4.74
	750	200	120	Glass1	68.1	0.15	13.0	1.89	0.01	0.41	1.30	3.66	4.48	0.07	93.2	8.65	6.07	4.61
				Glass2	69.0	0.09	12.8	1.22	0.05	0.22	1.24	3.58	4.26	0.04	92.5	8.77	6.06	4.71
				Glass3	69.5	0.34	13.0	1.29	0.09	0.17	1.14	3.98	4.18	0.13	93.8	7.71	6.09	4.77
				Glass4	69.9	0.16	13.2	1.06	0.04	0.19	1.16	3.81	4.32	0.03	93.9	8.01	6.06	4.77
				Glass5	70.1	0.15	12.9	1.12	0.04	0.10	1.08	3.92	4.47	0.07	93.9	7.31	6.11	4.72
				Glass6	70.8	0.10	13.0	0.85	0.02	0.11	1.11	4.02	4.08	0.04	94.1	7.36	6.09	4.75
				Average	69.6	0.17	13.0	1.24	0.04	0.20	1.17	3.83	4.30	0.06	93.5	7.97	6.08	4.72
				1σ	0.9	0.09	0.1	0.354	0.044	0.113	0.08	0.179	0.15	0.07	0.7	0.6296	0.018	0.05984421

			Recalc Totals	74.4	0.18	13.9	1.32	0.03	0.21	1.25	4.09	4.60	0.01	100.0	7.97	6.08	4.72
750	100	72	Glass1	72.0	0.11	13.1	1.12	0.00	0.16	0.76	3.34	4.92	0.02	95.5	5.56	4.22	5.49
			Glass2	73.3	0.07	13.0	0.96	0.01	0.09	0.68	2.86	5.09	0.00	96.0	5.27	4.21	5.57
			Glass3	71.0	0.18	12.9	1.89	0.08	0.42	0.73	2.90	4.84	0.01	94.9	5.76	4.20	5.45
			Glass4	71.4	0.18	12.3	1.32	0.06	0.10	0.74	2.94	4.91	0.08	94.0	5.64	4.22	5.51
			Glass5	71.4	0.07	12.7	0.73	0.11	0.04	0.78	3.07	4.92	0.13	94.0	5.91	4.22	5.58
			Glass6	73.4	0.09	12.6	0.83	0.10	0.07	0.56	3.14	4.60	0.27	95.7	4.13	4.21	5.70
			Glass7	72.3	0.05	12.8	0.92	0.06	0.08	0.68	2.86	5.14	0.00	94.9	5.31	4.21	5.54
			Glass8	71.0	0.04	12.8	0.85	0.02	0.07	0.78	2.98	5.11	0.14	93.8	6.03	4.22	5.58
			Glass9	73.4	0.07	12.8	0.99	0.01	0.15	0.70	2.89	5.05	0.26	96.4	5.35	4.21	5.66
			Average	72.1	0.10	12.8	1.07	0.04	0.13	0.71	3.00	4.95	0.10	95.0	5.43	4.21	5.56
			1 σ	1.0	0.05	0.2	0.35	0.05	0.11	0.07	0.16	0.17	0.11	0.9	0.56	0.01	0.08
			Recalc Totals	75.9	0.10	13.4	1.12	0.05	0.14	0.75	3.16	5.21	0.10	100.0	5.43	4.21	5.56
800	300	48	Glass1	68.3	0.17	12.6	1.33	0.08	0.20	1.21	3.64	4.28	0.19	92.0	8.53	7.47	4.03
			Glass2	68.0	0.20	12.7	1.34	0.06	0.15	1.17	3.47	4.28	0.01	91.3	8.49	7.44	4.02
			Glass3	68.6	0.16	12.6	1.25	0.04	0.31	1.16	3.99	4.21	0.12	92.5	7.81	7.53	3.98
			Glass4	68.1	0.05	12.6	1.32	0.00	0.15	1.08	3.22	4.15	0.06	90.8	8.10	7.39	4.08
			Glass5	68.4	0.12	12.7	1.41	0.06	0.21	1.12	3.57	4.42	0.07	92.1	8.03	7.47	3.99
			Glass6	68.4	0.13	12.7	1.32	0.02	0.16	1.14	3.65	4.26	0.01	91.7	8.08	7.46	4.00
			Glass7	67.8	0.18	12.6	1.34	0.10	0.17	1.09	3.33	4.25	0.00	90.9	8.09	7.41	4.04
			Glass8	68.1	0.16	12.8	1.38	0.05	0.23	1.10	3.42	4.28	0.02	91.5	8.14	7.41	4.03
			Average	68.2	0.15	12.7	1.34	0.05	0.20	1.14	3.54	4.27	0.05	91.6	8.15	7.45	4.02
			1 σ	0.3	0.05	0.1	0.05	0.03	0.05	0.05	0.24	0.08	0.08	0.6	0.24	0.04	0.03
			Recalc Totals	74.5	0.16	13.8	1.46	0.06	0.22	1.24	3.86	4.66	0.05	100.0	8.15	7.45	4.02
800	160	48	Glass1	72.2	0.18	13.1	1.08	0.05	0.18	1.09	3.01	3.91	0.02	94.8	8.13	5.17	4.76
			Glass2	72.0	0.16	12.9	1.17	0.03	0.14	1.07	2.90	3.91	0.00	94.3	8.14	5.17	4.76
			Glass3	72.3	0.17	13.0	1.25	0.05	0.15	1.07	2.95	3.60	0.04	94.5	8.03	5.15	4.79
			Glass4	71.8	0.16	13.4	1.17	0.02	0.15	1.14	3.07	3.69	0.01	94.6	8.53	5.15	4.77
			Glass5	71.7	0.19	13.2	1.09	0.01	0.15	1.18	2.92	3.60	0.04	94.1	8.97	5.14	4.82
			Glass6	72.3	0.19	13.2	1.08	0.02	0.17	1.18	2.94	3.72	0.01	94.8	8.89	5.15	4.79

				Glass7	72.2	0.13	13.2	1.11	0.01	0.19	1.14	3.36	3.95	0.00	95.2	8.08	5.20	4.69
				Glass8	71.8	0.20	13.0	1.13	0.05	0.19	1.14	2.88	3.70	0.05	94.1	8.70	5.15	4.80
				Glass9	72.4	0.20	13.1	1.14	0.05	0.16	1.15	2.84	3.71	0.03	94.8	8.82	5.14	4.81
				Glass10	72.0	0.21	13.1	1.18	0.01	0.26	0.98	2.75	3.63	0.03	94.1	7.76	5.13	4.83
				Glass11	72.3	0.18	13.4	1.14	0.02	0.15	1.11	2.79	3.76	0.04	94.9	8.67	5.13	4.83
				Glass12	71.6	0.36	13.4	2.49	0.00	0.20	1.10	2.95	3.61	0.01	95.7	8.46	5.13	4.68
				Glass13	72.4	0.14	13.4	1.14	0.02	0.17	1.10	2.66	3.49	0.03	94.5	8.78	5.10	4.87
				Glass14	72.0	0.25	13.4	1.34	0.03	0.29	1.03	2.92	3.85	0.00	95.1	7.97	5.14	4.77
				Glass15	72.2	0.15	13.4	1.16	0.03	0.17	1.23	2.90	3.66	0.01	95.0	9.35	5.13	4.80
				Glass16	71.9	0.17	13.3	1.09	0.02	0.15	1.16	3.00	3.61	0.01	94.4	8.75	5.14	4.80
				Glass17	71.2	0.14	13.0	1.21	0.08	0.15	1.05	2.64	3.71	0.03	93.2	8.43	5.13	4.82
				Average	72.0	0.19	13.2	1.23	0.03	0.18	1.11	2.91	3.71	0.02	94.6	8.49	5.14	4.79
				1σ	0.3	0.05	0.2	0.33	0.02	0.04	0.06	0.16	0.13	0.02	0.6	0.43	0.02	0.05
				Recalc Totals	76.1	0.20	14.0	1.30	0.03	0.19	1.18	3.08	3.92	0.02	100.0	8.49	5.14	4.79
	800	150	48	Glass1	71.9	0.31	13.4	1.27	0.06	0.27	1.05	3.42	4.17	0.02	95.9	7.51	5.03	4.74
				Glass2	71.1	0.21	13.3	1.53	0.00	0.28	1.20	4.25	4.43	0.00	96.3	7.77	5.11	4.51
				Glass3	71.3	0.20	13.5	1.58	0.05	0.33	1.22	4.11	4.22	0.05	96.5	8.04	5.08	4.56
				Glass4	71.2	0.22	13.7	1.32	0.02	0.31	1.15	4.09	4.53	0.03	96.6	7.67	5.08	4.58
				Glass5	70.9	0.23	13.7	1.64	0.05	0.29	1.13	3.97	4.21	0.06	96.1	7.67	5.06	4.60
				Glass6	70.4	0.27	13.5	1.39	0.05	0.30	1.21	4.16	4.47	0.02	95.8	8.01	5.10	4.55
				Glass7	71.4	0.27	13.6	1.41	0.01	0.25	1.26	4.03	4.42	0.03	96.6	8.38	5.08	4.59
				Average	71.2	0.24	13.5	1.45	0.03	0.29	1.17	4.01	4.35	0.03	96.3	7.86	5.08	4.59
				1σ	0.5	0.04	0.2	0.14	0.02	0.02	0.07	0.27	0.14	0.02	0.3	0.30	0.03	0.07
				Recalc Totals	73.9	0.25	14.0	1.50	0.03	0.30	1.22	4.16	4.52	0.03	100.0	7.86	5.08	4.59
	800	100	72	Glass1	70.7	0.17	12.8	0.87	0.03	0.15	0.79	3.53	4.47	0.01	93.4	5.65	4.08	5.12
				Glass2	71.1	0.15	12.5	0.96	0.06	0.16	0.88	3.86	4.69	0.06	94.4	5.89	4.11	5.03
				Glass3	72.4	0.16	13.5	1.02	0.07	0.15	0.80	3.97	4.37	0.05	96.5	5.45	4.08	5.10
				Glass4	72.8	0.12	13.2	0.97	0.01	0.15	0.77	3.86	4.84	0.05	96.7	5.25	4.10	5.07
				Glass5	72.6	0.15	13.2	1.19	0.01	0.23	0.87	3.90	4.50	0.06	96.7	5.82	4.09	5.06
				Glass6	73.2	0.17	12.7	1.10	0.02	0.16	0.72	3.64	4.53	0.00	96.2	4.94	4.09	5.10
				Glass7	72.8	0.19	13.1	0.99	0.01	0.13	0.93	3.91	4.67	0.00	96.7	6.20	4.10	5.05
				Average	72.2	0.16	13.0	1.01	0.03	0.16	0.82	3.81	4.58	0.03	95.8	5.60	4.09	5.07
				1σ	0.9	0.02	0.3	0.11	0.03	0.03	0.07	0.16	0.16	0.03	1.3	0.42	0.01	0.03

				Recalc Totals	75.4	0.17	13.5	1.06	0.03	0.17	0.86	3.98	4.78	0.03	100.0	5.60	4.09	5.07
850	250	48	Glass1	69.9	0.23	13.0	1.54	0.08	0.34	1.13	3.89	4.24	0.13	94.5	7.67	6.66	3.77	
			Glass2	69.9	0.23	12.8	1.52	0.03	0.21	1.11	3.88	4.59	0.16	94.4	7.55	6.70	3.76	
			Glass3	69.8	0.28	12.8	1.48	0.01	0.20	1.14	3.99	4.34	0.00	94.0	7.61	6.70	3.74	
			Glass4	70.0	0.21	12.8	1.56	0.06	0.33	1.17	3.91	4.33	0.02	94.3	7.90	6.68	3.73	
			Glass5	70.2	0.21	13.0	1.52	0.06	0.29	1.15	4.05	4.51	0.02	95.0	7.65	6.70	3.71	
			Glass6	68.7	0.24	13.0	1.54	0.04	0.22	1.17	3.87	4.23	0.10	93.1	8.07	6.65	3.77	
			Glass7	69.7	0.27	12.9	1.44	0.02	0.31	1.17	4.70	4.49	0.07	95.1	7.25	6.80	3.64	
			Glass8	69.5	0.27	13.1	1.34	0.02	0.25	1.12	4.31	4.29	0.09	94.3	7.36	6.71	3.74	
			Glass9	69.6	0.25	12.9	1.46	0.10	0.15	1.16	3.79	4.52	0.02	94.0	8.01	6.67	3.75	
			Glass10	69.6	0.28	12.8	1.65	0.05	0.24	1.15	3.91	4.27	0.04	93.9	7.79	6.68	3.75	
			Average	69.6	0.25	12.9	1.50	0.02	0.25	1.15	4.07	4.37	0.04	94.2	7.69	6.70	3.73	
			1σ	0.4	0.03	0.1	0.09	0.05	0.06	0.02	0.30	0.12	0.04	0.6	0.26	0.04	0.04	
			Recalc Totals	73.9	0.27	13.7	1.59	0.02	0.26	1.22	4.32	4.64	0.04	100.0	7.69	6.70	3.73	
850	200	48	Glass1	69.8	0.22	12.7	1.57	0.07	0.29	1.15	3.82	4.37	0.06	94.0	7.81	5.87	3.92	
			Glass2	70.1	0.26	12.9	1.68	0.04	0.22	1.12	4.11	4.38	0.04	94.8	7.39	5.89	3.89	
			Glass3	69.9	0.24	12.7	1.57	0.06	0.22	1.21	3.80	4.35	0.08	94.1	8.21	5.86	3.93	
			Glass4	69.9	0.28	12.8	1.65	0.01	0.25	1.16	3.80	4.16	0.04	94.1	7.89	5.84	3.95	
			Glass5	70.0	0.28	12.8	1.58	0.07	0.17	1.14	3.60	4.29	0.02	93.9	7.94	5.83	3.97	
			Glass6	69.6	0.27	12.9	1.58	0.05	0.27	1.14	4.01	4.31	0.08	94.2	7.62	5.87	3.92	
			Glass7	69.9	0.30	12.8	1.52	0.02	0.20	1.17	3.69	4.30	0.08	93.9	8.08	5.84	3.98	
			Glass8	69.9	0.20	12.9	1.67	0.02	0.21	1.15	4.11	4.51	0.05	94.7	7.58	5.90	3.87	
			Glass9	70.0	0.20	12.8	1.52	0.03	0.26	1.17	4.15	4.46	0.04	94.6	7.63	5.90	3.87	
			Glass10	69.8	0.29	12.8	1.63	0.03	0.26	1.16	3.73	4.14	0.09	93.9	7.98	5.83	3.98	
			Glass11	69.7	0.25	12.9	1.60	0.01	0.21	1.19	4.10	4.45	0.00	94.4	7.82	5.89	3.87	
			Glass12	69.7	0.29	12.8	1.56	0.06	0.22	1.14	3.71	4.17	0.07	93.8	7.86	5.83	3.98	
			Glass13	70.1	0.27	12.9	1.54	0.00	0.21	1.17	4.16	4.39	0.04	94.8	7.65	5.90	3.89	
			Glass14	69.5	0.22	12.8	1.52	0.05	0.22	1.12	4.12	4.36	0.04	93.9	7.39	5.89	3.87	
			Glass15	66.2	0.23	13.5	1.55	0.03	0.23	1.15	4.14	4.08	0.14	91.3	8.15	5.82	3.93	
			Glass16	69.9	0.28	12.8	1.59	0.02	0.19	1.24	4.23	4.30	0.00	94.5	7.97	5.90	3.87	
			Glass17	69.8	0.26	12.9	1.54	0.05	0.17	1.09	3.71	4.31	0.01	93.8	7.57	5.84	3.96	
			Glass18	70.2	0.23	12.9	1.54	0.04	0.24	1.09	4.10	4.33	0.03	94.7	7.23	5.88	3.90	
			Glass19	70.0	0.23	12.8	1.56	0.13	0.24	1.12	3.82	4.41	0.02	94.4	7.60	5.86	3.92	

				Glass20	69.8	0.20	12.8	1.53	0.04	0.26	1.17	3.84	4.22	0.05	93.9	7.94	5.85	3.95
				Glass21	70.2	0.33	12.9	1.53	0.02	0.20	1.11	4.27	4.42	0.04	95.1	7.22	5.90	3.90
				Glass22	70.0	0.30	12.9	1.49	0.04	0.26	1.13	3.92	4.37	0.06	94.5	7.59	5.87	3.94
				Glass23	69.8	0.29	12.7	1.57	0.06	0.23	1.20	3.93	4.11	0.03	94.0	8.02	5.86	3.93
				Glass24	69.7	0.25	12.9	1.58	0.05	0.20	1.13	3.61	4.15	0.08	93.6	7.97	5.82	4.00
				Average	69.7	0.26	12.9	1.57	0.03	0.23	1.15	3.94	4.31	0.05	94.1	7.75	5.87	3.92
				1 σ	0.8	0.04	0.2	0.05	0.04	0.03	0.04	0.21	0.12	0.04	0.7	0.28	0.03	0.04
				Recalc Totals	74.1	0.27	13.7	1.67	0.03	0.24	1.22	4.18	4.57	0.05	100.0	7.75	5.87	3.92
850	150	48		Glass1	70.4	0.28	12.9	1.63	0.03	0.19	1.18	4.02	4.45	0.02	95.1	7.85	4.98	4.16
				Glass2	71.2	0.24	13.0	1.64	0.07	0.21	1.16	1.34	4.13	0.03	93.1	12.53	4.74	4.61
				Glass3	70.5	0.23	13.0	1.56	0.06	0.25	1.17	3.80	4.45	0.06	95.1	7.94	4.96	4.20
				Glass4	71.1	0.20	12.9	1.57	0.00	0.23	1.21	4.11	4.47	0.05	95.8	7.85	4.99	4.14
				Glass5	70.2	0.29	12.9	1.60	0.02	0.30	1.17	3.84	4.45	0.11	94.9	7.95	4.97	4.20
				Glass6	70.0	0.29	12.8	1.67	0.03	0.21	1.18	3.72	4.27	0.10	94.2	8.08	4.96	4.22
				Glass7	70.9	0.18	12.9	1.47	0.03	0.26	1.16	3.99	4.17	0.04	95.0	7.68	4.97	4.20
				Glass8	71.0	0.29	12.9	1.60	0.04	0.24	1.15	3.80	4.42	0.10	95.6	7.74	4.96	4.22
				Glass9	70.8	0.23	12.9	1.57	0.00	0.20	1.16	3.85	4.41	0.03	95.2	7.80	4.97	4.19
				Average	70.7	0.24	12.9	1.59	0.03	0.24	1.17	3.56	4.35	0.07	94.9	8.16	4.94	4.24
				1 σ	0.4	0.04	0.1	0.06	0.02	0.03	0.02	0.91	0.13	0.03	0.9	1.56	0.08	0.14
				Recalc Totals	74.5	0.26	13.6	1.67	0.03	0.25	1.23	3.75	4.58	0.07	100.0	8.16	4.94	4.24
850	125	48		Glass1	70.3	0.17	13.4	1.57	0.04	0.37	1.11	4.01	4.35	0.02	95.4	7.53	4.47	4.34
				Glass2	70.0	0.26	13.0	1.61	0.00	0.28	1.15	4.11	4.24	0.13	94.8	7.58	4.49	4.36
				Glass3	70.6	0.18	13.0	1.61	0.19	0.26	1.13	4.04	4.26	0.04	95.3	7.46	4.48	4.32
				Glass4	70.4	0.30	13.1	1.80	0.05	0.27	1.17	4.26	4.32	0.04	95.6	7.62	4.50	4.27
				Glass5	70.6	0.22	13.2	1.68	0.03	0.30	1.18	4.23	4.23	0.02	95.7	7.70	4.49	4.31
				Glass6	70.1	0.30	13.1	1.58	0.04	0.23	1.15	3.90	4.57	0.12	95.1	7.80	4.48	4.38
				Glass7	70.4	0.20	13.2	1.49	0.04	0.20	1.14	4.36	4.40	0.05	95.3	7.33	4.50	4.28
				Glass8	70.0	0.24	13.1	1.57	0.02	0.22	1.12	4.08	4.17	0.02	94.5	7.47	4.48	4.35
				Glass9	70.5	0.23	13.1	1.55	0.05	0.20	1.16	4.13	4.25	0.03	95.1	7.63	4.49	4.34
				Average	70.3	0.23	13.1	1.61	0.04	0.27	1.14	4.13	4.32	0.03	95.2	7.56	4.49	4.33
				1 σ	0.2	0.05	0.1	0.09	0.07	0.06	0.03	0.14	0.12	0.06	0.4	0.14	0.01	0.04
				Recalc Totals	73.8	0.24	13.8	1.69	0.04	0.28	1.20	4.33	4.54	0.03	100.0	7.94	4.49	4.33

850	100	48	Glass1	71.0	0.24	13.3	1.48	0.05	0.20	1.20	3.83	4.62	0.22	96.2	8.17	3.95	4.66			
			Glass2	70.8	0.25	13.1	1.50	0.05	0.19	1.13	4.41	4.54	0.01	96.0	7.18	3.98	4.50			
			Glass3	71.2	0.22	13.2	1.59	0.02	0.15	1.15	3.71	4.44	0.00	95.6	7.90	3.94	4.62			
			Glass4	71.3	0.27	13.0	1.34	0.05	0.15	1.13	4.07	4.45	0.10	95.7	7.42	3.96	4.56			
			Glass5	71.4	0.23	13.1	1.53	0.04	0.28	1.12	4.10	4.41	0.00	96.2	7.36	3.96	4.56			
			Glass6	71.3	0.27	13.2	1.44	0.01	0.30	1.13	4.47	4.39	0.04	96.4	7.12	3.98	4.54			
			Glass7	71.5	0.23	13.2	1.42	0.16	0.20	1.19	4.30	4.21	0.09	96.5	7.59	3.96	4.58			
			Glass8	71.0	0.23	13.2	1.53	0.02	0.11	1.15	4.16	4.43	0.02	95.8	7.51	3.96	4.56			
			Glass9	71.3	0.24	13.2	1.49	0.00	0.26	1.14	4.24	4.45	0.04	96.3	7.37	3.97	4.53			
			Average	71.2	0.24	13.2	1.48	0.04	0.20	1.14	4.18	4.41	0.00	96.1	7.42	3.96	4.56			
			1 σ	0.2	0.02	0.1	0.08	0.06	0.07	0.02	0.24	0.10	0.06	0.3	0.34	0.01	0.05			
			Recalc Totals	74.1	0.25	13.7	1.54	0.04	0.21	1.19	4.35	4.60	0.00	100.0	7.42	3.96	4.56			
			850	80	48	Glass1	71.3	0.21	12.7	1.47	0.00	0.17	0.91	2.84	5.99	0.01	95.6	7.09	3.50	4.85
Glass2	71.8	0.31				12.7	1.42	0.00	0.20	0.90	2.80	6.14	0.07	96.3	6.99	3.50	4.87			
Glass3	71.7	0.31				12.7	1.43	0.00	0.18	0.89	2.79	6.10	0.06	96.1	6.94	3.50	4.87			
Glass4	71.3	0.24				12.9	1.37	0.08	0.21	0.85	2.85	5.96	0.01	95.8	6.71	3.49	4.86			
Glass5	70.4	0.24				12.8	1.45	0.04	0.20	0.88	2.93	6.09	0.06	95.1	6.82	3.50	4.83			
Average	71.3	0.26				12.8	1.43	0.02	0.19	0.89	2.84	6.06	0.04	95.8	6.91	3.50	4.86			
1 σ	0.5	0.05				0.1	0.04	0.03	0.02	0.02	0.06	0.08	0.03	0.5	0.15	0.00	0.02			
Recalc Totals	74.4	0.27				13.3	1.49	0.02	0.20	0.92	2.97	6.32	0.04	100.0	6.91	3.50	4.86			
850	60	48				Glass1	71.7	0.34	13.1	1.02	0.03	0.15	0.83	3.75	6.35	0.00	97.2	5.72	3.02	5.06
						Glass2	73.2	0.28	11.9	1.44	0.17	0.16	0.62	2.40	5.82	0.00	95.9	5.04	2.98	5.23
			Glass3	74.2	0.23	12.2	1.69	0.01	0.17	0.69	2.64	6.06	0.00	97.9	5.33	2.99	5.17			
			Glass4	74.8	0.25	12.7	1.25	0.28	0.13	0.72	2.40	5.89	0.01	98.4	5.90	2.97	5.29			
			Glass5	74.1	0.24	13.2	1.62	0.00	0.09	0.72	2.99	6.03	0.00	99.0	5.46	2.98	5.18			
			Average	73.6	0.27	12.6	1.40	0.10	0.14	0.72	2.83	6.03	0.00	97.7	5.49	2.99	5.19			
			1 σ	1.2	0.04	0.6	0.27	0.13	0.03	0.07	0.56	0.21	0.00	1.2	0.33	0.02	0.09			
			Recalc Totals	75.3	0.27	12.9	1.44	0.10	0.14	0.73	2.90	6.17	0.00	100.0	5.49	2.99	5.19			
			875	200	48	Glass1	70.0	0.26	12.9	1.54	0.05	0.27	1.10	4.20	4.16	0.03	94.5	7.20	5.83	3.73
						Glass2	70.0	0.23	12.8	1.56	0.01	0.25	1.20	3.93	4.20	0.05	94.2	8.00	5.81	3.75
Glass3	70.2	0.22				12.8	1.51	0.03	0.28	1.14	3.94	4.29	0.02	94.5	7.61	5.82	3.74			

Glass4	70.1	0.21	12.8	1.58	0.01	0.25	1.10	3.98	4.26	0.07	94.4	7.37	5.82	3.75			
Glass5	70.5	0.26	12.7	1.67	0.05	0.22	1.18	4.09	4.19	0.11	95.0	7.64	5.83	3.74			
Glass6	69.5	0.24	12.8	1.57	0.04	0.26	1.11	3.77	4.39	0.09	93.8	7.68	5.80	3.77			
Glass7	70.1	0.31	12.8	1.55	0.01	0.28	1.17	4.23	4.29	0.14	94.9	7.54	5.85	3.73			
Glass8	69.7	0.31	12.8	1.62	0.02	0.28	1.14	4.06	4.50	0.09	94.5	7.56	5.84	3.72			
Glass9	70.0	0.23	12.8	1.46	0.02	0.25	1.10	4.09	4.35	0.04	94.4	7.26	5.84	3.73			
Glass10	69.2	0.22	12.6	1.67	0.00	0.37	1.15	3.55	4.25	0.04	93.1	8.12	5.78	3.77			
Glass11	69.2	0.28	12.8	1.52	0.03	0.23	1.17	3.52	4.32	0.08	93.2	8.36	5.77	3.82			
Glass12	69.5	0.30	12.8	1.52	0.02	0.21	1.13	3.89	4.34	0.07	93.8	7.70	5.81	3.77			
Glass13	69.7	0.25	12.8	1.54	0.05	0.28	1.13	4.04	4.23	0.02	94.0	7.52	5.82	3.73			
Glass14	69.6	0.18	12.8	1.53	0.06	0.26	1.19	4.07	4.48	0.01	94.2	7.86	5.84	3.69			
Glass15	69.8	0.27	12.8	1.60	0.00	0.24	1.15	3.72	4.36	0.07	94.0	7.93	5.80	3.78			
Glass16	70.3	0.32	12.9	1.60	0.04	0.21	1.10	3.87	4.23	0.03	94.6	7.48	5.80	3.78			
Glass17	69.5	0.19	12.8	1.54	0.08	0.29	1.17	4.06	4.14	0.04	93.7	7.74	5.82	3.71			
Glass18	70.1	0.24	12.9	1.59	0.07	0.25	1.20	3.75	4.34	0.01	94.4	8.19	5.79	3.75			
Glass19	70.5	0.22	12.9	1.63	0.05	0.21	1.16	4.07	4.36	0.08	95.1	7.65	5.83	3.73			
Glass20	70.1	0.28	13.0	1.58	0.01	0.26	1.17	3.94	4.30	0.03	94.6	7.85	5.81	3.74			
Glass21	69.8	0.36	13.0	1.54	0.05	0.27	1.08	4.32	4.28	0.05	94.8	7.03	5.84	3.72			
Glass22	70.4	0.18	13.0	1.63	0.02	0.26	1.14	3.89	4.45	0.01	95.0	7.71	5.81	3.73			
Average	69.9	0.25	12.8	1.57	0.03	0.26	1.14	3.95	4.30	0.05	94.3	7.67	5.82	3.74			
1 σ	0.4	0.05	0.1	0.05	0.03	0.03	0.03	0.20	0.10	0.04	0.6	0.32	0.02	0.03			
Recalc Totals	74.1	0.27	13.6	1.66	0.03	0.27	1.21	4.19	4.56	0.05	100.0	7.67	5.82	3.74			
900	150	48	Glass1	70.5	0.26	12.8	1.48	0.08	0.22	1.17	3.76	4.32	0.04	94.5	7.94	4.85	3.84
			Glass2	70.6	0.21	12.9	1.56	0.03	0.29	1.15	4.12	4.23	0.08	95.2	7.54	4.86	3.82
			Glass3	70.3	0.30	12.8	1.60	0.02	0.25	1.15	3.95	4.29	0.00	94.7	7.64	4.86	3.82
			Glass4	70.1	0.20	12.8	1.55	0.05	0.26	1.14	3.81	4.30	0.06	94.3	7.76	4.84	3.85
			Glass5	70.2	0.28	13.0	1.52	0.00	0.37	1.15	3.93	4.20	0.07	94.8	7.74	4.84	3.85
			Glass6	69.5	0.23	12.9	1.49	0.03	0.21	1.18	4.15	4.67	0.03	94.4	7.75	4.89	3.76
			Glass7	69.9	0.31	12.8	1.44	0.04	0.23	1.17	3.76	4.36	0.05	94.1	7.99	4.85	3.86
			Glass8	70.0	0.30	12.8	1.47	0.00	0.24	1.19	4.02	4.20	0.02	94.2	7.88	4.86	3.83
			Glass9	69.7	0.27	12.8	1.59	0.02	0.28	1.17	4.30	4.45	0.19	94.8	7.57	4.89	3.78
			Glass10	70.3	0.23	12.8	1.55	0.05	0.23	1.21	4.15	4.26	0.12	94.9	7.84	4.87	3.81
			Glass11	70.3	0.32	12.8	1.51	0.03	0.23	1.19	3.90	4.39	0.01	94.7	7.96	4.86	3.82
			Glass12	70.2	0.24	12.8	1.69	0.03	0.27	1.16	3.77	4.38	0.14	94.8	7.89	4.85	3.85

				Glass13	70.2	0.24	13.0	1.60	0.08	0.19	1.19	4.16	4.30	0.08	95.0	7.77	4.87	3.80
				Glass14	70.3	0.25	13.1	1.58	0.02	0.30	1.11	3.76	4.39	0.02	94.7	7.69	4.83	3.85
				Glass15	69.8	0.13	12.9	1.58	0.06	0.25	1.20	4.06	4.34	0.07	94.4	7.96	4.86	3.79
				Glass16	69.5	0.25	12.9	1.50	0.03	0.32	1.17	3.54	4.46	0.05	93.7	8.33	4.83	3.86
				Glass17	70.2	0.27	12.9	1.57	0.01	0.22	1.21	3.85	4.57	0.02	94.9	8.15	4.86	3.81
				Glass18	70.1	0.29	13.1	1.58	0.07	0.34	1.14	3.85	4.27	0.04	94.7	7.80	4.84	3.82
				Glass19	69.7	0.29	12.8	1.54	0.02	0.22	1.15	3.91	4.33	0.05	94.0	7.76	4.86	3.83
				Glass20	70.2	0.23	12.9	1.51	0.01	0.30	1.17	4.00	4.40	0.10	94.7	7.79	4.86	3.83
				Glass21	70.4	0.27	12.9	1.59	0.01	0.26	1.20	3.99	4.29	0.06	95.0	7.92	4.86	3.83
				Glass22	70.1	0.26	13.1	1.53	0.02	0.25	1.11	3.83	4.24	0.09	94.5	7.63	4.83	3.88
				Average	70.1	0.26	12.9	1.55	0.03	0.26	1.17	3.94	4.35	0.06	94.6	7.83	4.86	3.83
				1 σ	0.3	0.04	0.1	0.06	0.03	0.05	0.03	0.18	0.12	0.05	0.4	0.18	0.02	0.03
				Recalc Totals	74.1	0.27	13.6	1.63	0.03	0.28	1.23	4.16	4.60	0.06	100.0	7.83	4.86	3.83
	900	100	48	Glass1	73.0	0.25	13.4	1.42	0.09	0.25	1.22	1.64	3.66	0.31	95.2	11.85	3.67	4.88
				Glass2	74.2	0.24	13.4	1.44	0.02	0.27	1.12	1.48	3.54	0.15	95.8	11.33	3.66	4.85
				Glass3	73.0	0.27	13.7	1.29	0.04	0.28	1.15	1.57	3.62	0.09	95.0	11.59	3.65	4.80
				Glass4	72.9	0.28	13.2	1.5	0.02	0.25	1.13	1.5	3.52	0.13	94.4	11.49	3.66	4.80
				Glass5	75.2	0.26	13.4	1.5	0	0.3	1.23	1.45	3.46	0.08	96.9	12.32	3.65	4.80
				Glass6	73.7	0.27	13.3	1.63	0.02	0.26	1.08	1.53	3.55	0.11	95.4	10.86	3.66	4.78
				Glass7	73.8	0.27	13.3	1.52	0	0.3	1.04	1.43	3.48	0.19	95.3	10.82	3.65	4.88
				Glass8	73.5	0.25	13.0	1.62	0.09	0.25	1.23	1.38	3.42	0.14	94.9	12.67	3.66	4.79
				Glass9	73.2	0.23	13.0	1.56	0.02	0.29	0.98	1.49	3.55	0.16	94.5	10.04	3.67	4.84
				Glass10	73.8	0.31	13.2	1.51	0.05	0.24	1.18	1.55	3.41	0.14	95.4	11.63	3.66	4.80
				Average	73.6	0.26	13.3	1.50	0.03	0.27	1.14	1.50	3.52	0.15	95.3	11.46	3.66	4.82
				1 σ	0.7	0.02	0.2	0.10	0.04	0.02	0.08	0.07	0.08	0.06	0.7	0.76	0.01	0.04
				Recalc Totals	77.3	0.28	14.0	1.57	0.03	0.28	1.19	1.58	3.70	0.16	100.0	11.46	3.66	4.82
	900	50	48	Glass1	72.6	0.28	13.5	1.63	0.02	0.14	1.22	3.96	4.57	0.07	98.0	8.07	2.58	4.98
				Glass2	72.4	0.30	13.6	1.60	0.02	0.19	1.24	4.26	4.53	0.15	98.3	7.96	2.59	4.96
				Glass3	71.3	0.19	13.4	1.78	0.08	0.28	1.23	4.28	4.52	0.06	97.1	7.93	2.59	4.80
				Glass4	72.4	0.25	13.6	1.67	0.03	0.25	1.23	4.30	4.41	0.07	98.2	7.85	2.59	4.92
				Glass5	72.2	0.25	13.6	1.61	0.02	0.34	1.18	4.50	4.43	0.17	98.2	7.39	2.59	4.94
				Glass6	71.8	0.22	13.3	1.63	0.03	0.25	1.24	3.93	4.26	0.15	96.8	8.19	2.58	5.03

Glass7	72.4	0.27	13.4	1.60	0.06	0.31	1.22	3.93	4.63	0.04	97.8	8.06	2.58	4.88
Glass8	72.7	0.28	13.6	1.67	0.08	0.20	1.23	4.30	4.77	0.17	99.0	7.83	2.59	4.92
Glass9	71.7	0.14	13.7	1.61	0.03	0.13	1.25	4.24	4.43	0.25	97.5	8.10	2.58	5.08
Glass10	71.8	0.26	13.5	1.70	0.10	0.21	1.19	4.19	4.43	0.08	97.5	7.75	2.59	4.91
Glass11	72.6	0.25	13.5	1.64	0.05	0.33	1.21	3.98	4.40	0.06	97.9	7.94	2.58	4.97
Average	72.2	0.24	13.5	1.65	0.02	0.24	1.22	4.17	4.49	0.10	97.8	7.91	2.59	4.94
1 σ	0.5	0.05	0.1	0.06	0.05	0.07	0.02	0.19	0.14	0.09	0.6	0.22	0.00	0.07
Recalc Totals	73.8	0.25	13.8	1.68	0.02	0.24	1.25	4.26	4.59	0.10	100.0	7.91	2.59	4.94

TEQ34 GLASS COMPOSITIONS

750	300	120	Glass1	67.9	0.09	14.9	0.97	0.03	0.08	1.07	2.99	4.75	0.09	92.8	9.03	7.25	4.61
			Glass2	67.6	0.15	14.8	1.1	0.01	0.1	1.37	4.13	3.56	0.14	93.0	9.75	7.32	4.52
			Glass3	67.9	0.13	15.1	1.05	0.05	0.01	1.1	3.23	4.47	0.15	93.0	8.98	7.24	4.62
			Glass4	67.3	0.14	15.3	1.15	0.11	0.13	1.14	4.16	4.03	0.08	93.6	8.38	7.33	4.48
			Glass5	64.1	0.63	15.2	2.48	0.08	0.57	1.11	4.84	4.55	0.19	93.8	7.97	7.51	4.30
			Average	67.0	0.22 8	15.1	1.35	0.056	0.178	1.15 8	3.87	4.27 2	0.13	93.2	8.83	7.33	4.50
			1 σ	1.6	0.23	0.2	0.64	0.07	0.22	0.12	0.75	0.48	0.05	0.4	0.68	0.11	0.13
			Recalc Totals	71.8	0.24	16.2	1.45	0.03	0.19	1.24	4.15	4.58	0.14	100.0	8.83	7.33	4.50
750	250	120	Glass1	68.6	0.16	14.0	0.76	0.01	0.00	0.60	5.12	4.24	0.03	93.5	3.94	6.93	4.49
			Glass2	66.2	0.32	14.7	1.42	0.02	0.52	0.75	5.29	4.00	0.24	93.4	5.05	6.87	4.48
			Glass3	67.0	0.35	14.0	1.29	0.09	0.32	0.60	4.99	4.46	0.21	93.4	4.08	6.93	4.48
			Glass4	66.8	0.66	14.7	1.33	0.11	0.11	0.56	4.99	4.88	0.17	94.3	4.92	6.91	4.56
			Glass5	67.6	0.19	13.8	1.81	0.02	0.12	0.53	5.89	4.09	0.06	93.1	5.25	7.04	4.23
			Average	67.2	0.34	14.2	1.32	0.05	0.21	0.61	5.26	4.34	0.14	93.5	4.65	6.94	4.45
			1 σ	0.9	0.20	0.4	0.38	0.06	0.21	0.08	0.38	0.35	0.09	0.4	0.60	0.06	0.13
			Recalc Totals	71.9	0.36	15.2	1.41	0.04	0.23	0.65	5.62	4.64	0.15	100.0	4.65	6.94	4.45
750	250	48	Glass1	64.5	0.19	13.9	1.77	0.08	0.19	1.08	4.60	4.39	0.29	92.0	5.01	6.04	4.64
			Glass2	67.1	0.11	14.0	1.17	0.09	0.04	0.73	4.82	4.58	0.00	92.6	4.99	6.14	4.58
			Glass3	66.4	0.11	14.2	1.07	0.09	0.03	0.89	4.62	4.57	0.11	92.1	4.70	6.10	4.64
			Glass4	66.3	0.12	14.4	1.07	0.02	0.02	0.84	4.97	4.34	0.11	92.1	5.74	6.11	4.63

				Glass5	66.2	0.18	14.1	1.36	0.05	0.13	0.87	5.22	4.81	0.05	93.0	5.72	6.19	4.49
				Average	65.7	0.41	14.3	1.65	0.08	0.15	0.88	4.79	4.56	0.11	92.6	6.14	6.12	4.63
				1 σ	1.3	0.65	0.3	0.94	0.04	0.19	0.11	0.27	0.17	0.10	0.7	0.53	0.06	0.06
				Recalc Totals	70.9	0.44	15.4	1.79	0.09	0.17	0.95	5.17	4.92	0.12	100.0	5.29	6.12	4.63
750	200	120		Glass1	65.9	0.85	14.4	1.86	0.04	0.11	0.69	5.11	4.83	0.06	93.8	4.74	6.16	4.71
				Glass2	67.0	0.09	14.9	0.94	0.11	0.03	0.37	3.21	5.59	0.05	92.3	3.24	5.97	4.84
				Glass3	66.0	1.10	14.5	1.98	0.07	0.03	0.54	5.07	4.63	0.10	94.0	3.76	6.14	4.85
				Glass4	63.8	0.70	14.1	5.54	0.06	0.14	0.69	4.92	4.55	0.01	94.5	4.91	6.14	4.34
				Average	65.7	0.69	14.5	2.58	0.07	0.07	0.57	4.58	4.90	0.05	93.7	4.16	6.10	4.67
				1 σ	1.4	0.43	0.3	2.02	0.03	0.08	0.15	0.92	0.48	0.04	0.9	0.79	0.09	0.24
				RecalcTotal s	70.1	0.73	15.5	2.76	0.07	0.07	0.61	4.89	5.23	0.05	100.0	4.16	6.10	4.67
750	200	144		Glass1	66.1	0.50	16.5	1.74	0.09	0.15	1.93	5.78	3.93	0.12	96.9	12.24	6.03	4.60
				Glass2	65.7	0.29	14.9	2.13	0.06	0.50	1.54	4.30	4.59	0.14	94.2	10.94	6.02	4.59
				Glass3	65.4	0.25	15.2	2.17	0.12	0.52	1.53	4.23	4.39	0.30	94.1	11.11	5.98	4.64
				Glass4	63.3	0.88	15.4	4.33	0.19	1.12	1.29	5.00	4.86	0.24	96.6	9.13	6.09	4.45
				Glass5	67.0	0.36	15.7	3.69	0.12	0.73	1.60	4.70	3.97	0.22	98.1	10.98	5.98	4.50
				Glass6	65.8	0.39	16.2	1.91	0.08	0.15	1.83	6.03	3.86	0.14	96.4	11.40	6.08	4.51
				Glass7	62.4	0.41	14.8	2.22	0.10	0.40	1.56	4.57	4.63	0.14	91.2	11.26	6.06	4.53
				Glass8	64.7	0.70	14.1	2.75	0.12	0.36	1.81	4.64	4.48	0.30	94.0	12.07	6.11	4.56
				Glass9	61.9	0.77	15.5	5.41	0.12	0.64	1.33	5.02	4.42	0.09	95.2	9.63	6.05	4.36
				Glass10	65.4	0.38	14.9	3.03	0.07	0.26	1.15	4.58	4.69	0.16	94.6	8.20	6.06	4.50
				Glass11	65.7	0.29	14.8	1.48	0.12	0.23	1.69	5.16	4.33	0.07	93.8	10.95	6.11	4.53
				Glass12	65.4	0.42	14.6	2.47	0.11	0.25	1.21	5.01	4.67	0.17	94.3	8.19	6.13	4.49
				Average	64.9	0.47	15.2	2.78	0.11	0.44	1.54	4.92	4.40	0.17	94.9	10.53	6.06	4.51
				1 σ	1.6	0.21	0.7	1.16	0.03	0.28	0.25	0.54	0.33	0.08	1.8	1.39	0.05	0.07
				Recalc Totals	68.4	0.50	16.0	2.93	0.11	0.46	1.62	5.18	4.64	0.18	100.0	10.53	6.06	4.51
800	300	48		Glass1	65.9	0.19	15.1	1.54	0.05	0.12	1.34	3.89	3.64	0.04	91.8	10.15	7.18	4.10
				Glass2	66.7	0.16	15.2	1.50	0.09	0.10	1.38	3.86	3.51	0.03	92.6	10.43	7.15	4.11
				Glass3	66.5	0.23	15.2	1.47	0.07	0.10	1.62	4.15	3.49	0.12	92.9	11.57	7.21	4.08

				Glass4	65.0	0.09	14.7	1.57	0.04	0.14	1.30	4.01	3.62	0.03	90.5	9.78	7.24	4.03
				Glass5	63.4	0.37	15.2	3.16	0.05	0.13	1.38	4.77	3.69	0.08	92.2	9.86	7.33	3.83
				Glass6	66.4	0.20	15.1	1.44	0.08	0.09	1.43	4.68	3.47	0.01	93.0	9.82	7.30	4.00
				Glass7	65.5	0.15	15.2	1.45	0.07	0.06	1.44	4.18	3.65	0.06	91.8	10.55	7.23	4.05
				Glass8	66.3	0.20	15.2	1.49	0.01	0.13	1.36	4.43	3.57	0.08	92.8	9.70	7.26	4.05
				Average	65.7	0.20	15.1	1.70	0.06	0.11	1.41	4.25	3.58	0.06	92.2	10.22	7.24	4.03
				1 σ	1.1	0.08	0.2	0.59	0.03	0.03	0.10	0.35	0.08	0.04	0.8	0.63	0.06	0.09
				Recalc Totals	71.3	0.21	16.4	1.85	0.06	0.12	1.53	4.61	3.88	0.06	100.0	10.22	7.24	4.03
800	250	48		Glass1	63.1	0.52	14.6	3.61	0.10	0.45	1.40	4.73	4.27	0.07	92.9	9.89	6.73	3.86
				Glass2	65.2	0.23	15.1	1.24	0.06	0.16	1.28	4.72	4.21	0.10	92.3	9.04	6.67	4.10
				Glass3	65.3	0.35	15.2	1.56	0.05	0.41	1.16	5.21	4.44	0.05	93.8	7.91	6.76	4.00
				Glass4	65.2	0.30	15.1	2.12	0.09	0.21	1.52	5.40	4.38	0.16	94.5	9.91	6.79	3.88
				Glass5	65.1	0.23	15.8	1.52	0.05	0.18	1.44	5.66	4.18	0.11	94.2	9.45	6.75	3.95
				Glass6	65.2	0.26	15.3	1.50	0.09	0.08	1.22	5.02	4.23	0.02	92.9	8.46	6.70	4.03
				Glass7	66.2	0.11	15.7	1.15	0.05	0.10	1.24	4.99	4.35	0.14	94.0	8.58	6.68	4.08
				Average	65.0	0.29	15.3	1.82	0.07	0.23	1.33	5.10	4.29	0.09	93.5	9.04	6.73	3.98
				1 σ	0.9	0.13	0.4	0.85	0.02	0.15	0.13	0.35	0.10	0.05	0.8	0.76	0.04	0.09
				Recalc Totals	69.5	0.31	16.3	1.94	0.08	0.24	1.42	5.46	4.59	0.10	100.0	9.04	6.73	3.98
800	200	48		Glass1	63.1	0.21	16.6	1.60	0.02	0.25	1.13	4.79	4.01	0.04	91.7	8.63	5.78	4.29
				Glass2	64.6	0.18	15.3	1.42	0.01	0.12	1.02	5.36	4.36	0.01	92.4	7.00	5.97	4.15
				Glass3	64.4	0.21	15.2	1.27	0.08	0.13	1.11	4.82	4.15	0.12	91.5	7.93	5.90	4.28
				Glass4	64.8	0.31	15.5	1.64	0.08	0.14	1.19	5.50	4.32	0.13	93.6	7.98	5.97	4.15
				Glass5	62.6	0.89	14.5	5.76	0.11	0.33	0.99	5.04	4.45	0.14	94.9	7.07	6.00	3.93
				Glass6	64.7	0.37	15.6	1.91	0.01	0.14	1.18	5.46	4.44	0.11	93.8	7.98	5.97	4.14
				Average	64.0	0.36	15.5	2.27	0.05	0.19	1.10	5.16	4.29	0.08	93.0	7.76	5.93	4.14
				1 σ	0.9	0.27	0.7	1.73	0.04	0.09	0.08	0.32	0.18	0.08	1.3	0.62	0.08	0.13
				Recalc Totals	68.9	0.39	16.6	2.44	0.06	0.20	1.19	5.55	4.61	0.08	100.0	7.76	5.93	4.14
800	150	48		Glass1	66.2	0.24	14.9	1.57	0.08	0.24	1.14	5.04	4.67	0.16	94.3	7.74	5.11	4.42
				Glass2	65.5	0.28	14.9	1.95	0.08	0.30	0.97	4.99	5.00	0.01	93.9	6.71	5.12	4.34

				Glass3	65.7	0.24	14.5	1.57	0.07	0.24	1.24	5.20	4.45	0.09	93.2	8.15	5.13	4.37
				Glass4	66.5	0.33	14.7	1.94	0.04	0.33	1.18	5.11	4.68	0.09	94.9	7.82	5.12	4.37
				Glass5	65.9	0.28	15.1	1.80	0.12	0.29	1.09	5.24	4.59	0.09	94.5	7.34	5.11	4.37
				Glass6	66.5	0.29	15.0	1.72	0.08	0.28	1.00	4.75	4.59	0.13	94.4	7.02	5.07	4.48
				Glass7	65.2	0.27	14.6	1.54	0.05	0.24	1.08	5.27	4.93	0.09	93.3	7.20	5.15	4.34
				Glass8	65.8	0.23	14.7	1.83	0.12	0.25	0.99	4.69	4.86	0.16	93.6	6.95	5.10	4.42
				Average	65.9	0.27	14.8	1.74	0.08	0.27	1.09	5.04	4.72	0.10	94.0	7.37	5.11	4.39
				1 σ	0.5	0.03	0.2	0.17	0.03	0.03	0.10	0.22	0.19	0.05	0.6	0.50	0.02	0.05
				Recalc Totals	70.1	0.29	15.7	1.85	0.09	0.29	1.15	5.36	5.02	0.11	100.0	7.37	5.11	4.39
800	110	48		Glass1	67.2	0.43	13.7	3.00	0.08	0.51	0.71	4.86	5.20	0.20	95.9	4.80	4.36	4.57
				Glass2	68.3	0.35	14.5	2.56	0.14	0.33	0.91	3.01	4.78	0.08	94.9	7.62	4.21	4.93
				Glass3	67.8	0.31	13.6	3.01	0.11	0.13	0.68	4.31	5.00	0.06	95.0	4.78	4.33	4.63
				Glass4	67.1	0.30	15.2	1.97	0.04	0.47	1.29	4.69	4.42	0.13	95.6	8.92	4.27	4.77
				Glass5	67.8	0.13	13.5	1.40	0.03	0.26	1.19	4.61	4.83	0.24	93.9	7.82	4.34	4.77
				Glass6	67.3	0.27	15.4	1.78	0.05	0.27	1.51	5.44	4.40	0.25	96.7	9.64	4.31	4.70
				Glass7	69.5	0.25	14.0	1.38	0.02	0.10	0.66	4.49	5.43	0.03	95.8	4.51	4.34	4.78
				Glass8	70.3	0.23	13.7	1.48	0.07	0.34	0.90	4.84	5.07	0.06	97.0	5.73	4.36	4.71
				Average	68.2	0.28	14.2	2.07	0.06	0.30	0.98	4.53	4.89	0.13	95.6	6.72	4.32	4.72
				1 σ	1.2	0.09	0.8	0.69	0.05	0.14	0.32	0.70	0.36	0.09	1.0	2.02	0.05	0.11
				Recalc Totals	71.3	0.30	14.9	2.17	0.06	0.32	1.03	4.74	5.12	0.14	100.0	6.72	4.32	4.72
850	250	48		Glass1	61.3	0.67	14.4	3.95	0.07	0.28	1.48	4.83	3.95	0.06	91.0	10.54	6.63	3.48
				Glass2	62.8	0.20	14.6	1.86	0.11	0.33	1.66	5.24	4.05	0.26	91.1	11.09	6.68	3.53
				Glass3	63.2	0.33	14.6	2.04	0.09	0.23	1.46	5.17	3.88	0.00	91.0	9.88	6.66	3.55
				Glass4	63.2	0.23	14.7	1.92	0.07	0.22	1.56	4.97	4.01	0.27	91.1	10.69	6.64	3.60
				Glass5	63.2	0.26	14.8	1.87	0.05	0.31	1.49	5.02	4.11	0.05	91.1	10.25	6.65	3.57
				Glass6	63.5	0.23	14.6	2.00	0.07	0.31	1.47	5.19	4.18	0.08	91.6	9.88	6.69	3.52
				Glass7	64.0	0.25	14.7	2.00	0.09	0.29	1.54	5.08	4.03	0.09	92.1	10.35	6.65	3.56
				Glass8	63.9	0.35	14.9	1.98	0.08	0.27	1.55	5.34	4.27	0.18	92.8	10.26	6.70	3.54
				Glass9	62.5	0.29	14.6	1.98	0.06	0.22	1.83	5.38	4.15	0.34	91.3	11.99	6.71	3.51
				Glass10	64.0	0.25	14.8	2.00	0.08	0.22	1.54	4.89	3.90	0.00	91.7	10.54	6.60	3.59
				Glass11	63.0	0.26	14.7	2.03	0.07	0.22	1.42	5.61	4.13	0.08	91.5	9.31	6.74	3.48
				Average	63.1	0.30	14.7	2.15	0.08	0.27	1.55	5.16	4.06	0.13	91.5	10.43	6.67	3.53
				1 σ	0.8	0.13	0.1	0.60	0.02	0.04	0.11	0.23	0.12	0.12	0.6	0.70	0.04	0.04

			Recalc Totals	69.0	0.33	16.0	2.35	0.08	0.29	1.69	5.64	4.44	0.14	100.0	10.43	6.67	3.53
850	200	48	Glass1	64.7	0.30	15.3	1.77	0.06	0.21	1.56	4.90	4.22	0.22	93.2	10.74	5.80	3.83
			Glass2	64.9	0.30	15.4	1.56	0.12	0.26	1.63	3.63	4.20	0.07	92.1	12.72	5.64	4.00
			Glass3	63.7	0.48	15.0	2.54	0.12	0.31	1.59	4.89	4.26	0.04	92.9	10.97	5.82	3.72
			Glass4	64.8	0.36	15.2	1.56	0.00	0.12	1.59	5.10	4.12	0.26	93.1	10.70	5.82	3.85
			Glass5	64.5	0.31	15.2	1.54	0.05	0.29	1.37	5.25	4.38	0.07	92.8	9.24	5.86	3.75
			Glass6	64.6	0.34	15.4	1.64	0.07	0.20	1.42	5.38	4.23	0.10	93.4	9.47	5.85	3.77
			Glass7	65.0	0.35	15.3	1.62	0.12	0.27	1.45	4.52	4.32	0.03	92.9	10.35	5.76	3.87
			Glass8	64.1	0.35	15.2	1.52	0.09	0.19	1.50	5.20	4.17	0.10	92.4	10.13	5.83	3.79
			Glass9	64.2	0.27	15.4	1.69	0.10	0.22	1.43	5.35	4.46	0.11	93.2	9.62	5.86	3.73
			Glass10	63.7	0.39	15.1	1.72	0.05	0.24	1.44	5.00	4.41	0.10	92.2	9.94	5.84	3.78
			Glass11	63.3	0.41	15.1	2.06	0.06	0.46	1.37	4.67	4.26	0.08	91.7	9.91	5.79	3.80
			Average	64.3	0.35	15.2	1.75	0.08	0.25	1.49	4.90	4.28	0.09	92.7	10.30	5.81	3.81
			1σ	0.6	0.06	0.1	0.30	0.04	0.08	0.09	0.50	0.11	0.09	0.5	0.96	0.06	0.08
			Recalc Totals	69.4	0.38	16.4	1.88	0.08	0.27	1.60	5.28	4.61	0.10	100.0	10.30	5.81	3.81
850	150	48	Glass1	64.4	0.37	15.7	2.17	0.07	0.30	1.40	5.51	4.11	0.06	94.1	9.38	4.94	3.96
			Glass2	65.2	0.27	15.6	1.75	0.05	0.23	1.37	5.54	4.05	0.07	94.1	9.02	4.95	4.00
			Glass3	64.9	0.40	15.5	2.15	0.08	0.34	1.39	5.15	4.44	0.07	94.4	9.50	4.94	3.98
			Glass4	65.7	0.39	15.6	1.83	0.12	0.26	1.40	5.27	4.38	0.01	94.9	9.37	4.95	4.01
			Glass5	65.3	0.36	15.5	2.16	0.11	0.26	1.29	5.38	4.27	0.03	94.5	8.67	4.96	3.96
			Glass6	64.7	0.39	15.5	2.06	0.14	0.30	1.32	5.43	4.40	0.02	94.3	8.88	4.97	3.95
			Glass7	64.9	0.30	15.5	2.09	0.13	0.28	1.34	3.05	4.22	0.02	91.9	11.59	4.75	4.30
			Glass8	65.1	0.49	15.4	1.95	0.09	0.28	1.49	5.25	4.20	0.08	94.3	9.97	4.95	4.02
			Glass9	66.0	0.34	15.7	1.98	0.08	0.30	1.28	5.81	4.36	0.11	95.9	8.26	4.99	3.94
			Average	65.1	0.37	15.6	2.02	0.10	0.28	1.37	5.15	4.27	0.05	94.3	9.31	4.93	4.01
			1σ	0.5	0.06	0.1	0.15	0.03	0.03	0.06	0.81	0.14	0.04	1.1	0.96	0.07	0.11
			Recalc Totals	69.1	0.39	16.5	2.14	0.10	0.30	1.45	5.47	4.53	0.05	100.0	9.31	4.93	4.01
850	100	48	Glass1	65.5	0.63	14.5	3.38	0.08	0.74	0.82	5.08	5.15	0.14	96.0	5.64	3.99	4.22
			Glass2	63.1	1.00	14.3	4.29	0.18	1.40	0.77	4.46	5.26	0.26	95.0	5.77	3.97	4.23
			Glass3	66.5	0.45	14.3	2.61	0.04	0.17	0.85	5.09	4.81	0.14	95.0	5.71	3.99	4.33
			Glass4	66.8	0.28	15.3	1.59	0.04	0.10	1.16	5.11	4.63	0.06	95.1	7.82	3.95	4.44

				Glass5	64.9	0.45	15.9	2.09	0.05	0.55	1.44	5.18	4.54	0.02	95.1	9.84	3.93	4.35
				Glass6	66.7	0.49	14.8	2.14	0.05	0.52	0.99	5.18	5.03	0.12	96.1	6.59	3.98	4.34
				Glass7	66.3	0.40	15.2	1.83	0.04	0.28	1.18	4.68	4.78	0.05	94.7	8.27	3.93	4.45
				Glass8	67.4	0.29	14.4	1.58	0.07	0.19	0.78	5.09	4.98	0.07	94.9	5.17	3.99	4.41
				Average	65.9	0.50	14.8	2.44	0.07	0.49	1.00	4.99	4.90	0.11	95.2	6.85	3.97	4.34
				1 σ	1.4	0.23	0.6	0.95	0.05	0.43	0.24	0.26	0.25	0.07	0.5	1.63	0.03	0.09
				Recalc Totals	69.2	0.52	15.6	2.56	0.07	0.52	1.05	5.24	5.14	0.11	100.0	6.85	3.97	4.34
875	200	48		Glass1	65.0	0.40	15.1	2.13	0.06	0.41	1.54	5.46	4.26	0.11	94.5	10.00	5.83	3.51
				Glass2	63.6	0.40	14.9	1.92	0.02	0.38	1.58	5.31	4.63	0.19	92.9	10.49	5.85	3.51
				Glass3	64.7	0.35	15.2	1.96	0.07	0.37	1.58	5.01	4.40	0.05	93.7	10.70	5.78	3.56
				Glass4	64.1	0.37	15.0	1.92	0.10	0.34	1.59	5.31	4.27	0.08	93.1	10.50	5.81	3.53
				Glass5	64.2	0.36	14.9	2.05	0.08	0.31	1.50	5.41	4.27	0.05	93.2	9.86	5.83	3.50
				Glass6	63.7	0.38	15.0	2.04	0.07	0.49	1.69	5.01	4.50	0.19	93.1	11.49	5.80	3.53
				Glass7	63.7	0.44	14.9	1.97	0.14	0.37	1.55	5.24	4.15	0.08	92.6	10.38	5.80	3.54
				Glass8	64.0	0.30	14.8	1.88	0.04	0.37	1.62	4.74	4.15	0.15	92.1	11.19	5.76	3.61
				Glass9	64.5	0.45	15.2	2.09	0.07	0.39	1.49	5.33	4.27	0.05	93.8	9.90	5.81	3.54
				Glass10	63.7	0.41	14.9	1.99	0.12	0.39	1.93	4.90	4.30	0.48	93.1	12.95	5.78	3.59
				Average	64.1	0.39	15.0	1.99	0.08	0.38	1.61	5.17	4.32	0.14	93.2	10.74	5.80	3.54
				1 σ	0.5	0.05	0.1	0.08	0.04	0.05	0.13	0.24	0.15	0.13	0.7	0.94	0.03	0.03
				Recalc Totals	68.8	0.41	16.1	2.14	0.08	0.41	1.72	5.55	4.63	0.15	100.0	10.74	5.80	3.54
900	150	48		Glass1	63.8	0.37	14.6	2.22	0.10	0.45	1.85	4.92	4.27	0.62	93.2	12.37	4.84	3.66
				Glass2	59.3	1.63	14.2	8.25	0.06	0.55	1.52	5.13	3.49	0.24	94.3	10.73	4.84	3.35
				Glass3	64.6	0.34	14.7	2.26	0.02	0.36	1.49	4.79	4.22	0.21	92.9	10.21	4.83	3.65
				Glass4	63.6	0.43	14.7	2.46	0.12	0.45	1.51	5.08	4.03	0.08	92.4	10.18	4.84	3.57
				Glass5	63.9	0.38	14.8	2.33	0.15	0.55	1.59	5.52	4.22	0.11	93.6	10.34	4.88	3.49
				Glass6	63.9	0.42	14.7	2.34	0.06	0.47	1.68	4.92	4.16	0.24	92.8	11.34	4.83	3.60
				Glass7	64.3	0.43	14.9	2.42	0.04	0.47	1.50	5.04	4.37	0.04	93.4	10.14	4.85	3.56
				Glass8	63.5	0.38	14.8	2.49	0.07	0.41	1.54	5.53	4.19	0.12	93.1	10.07	4.88	3.49
				Glass9	64.5	0.44	14.7	2.38	0.07	0.46	1.54	5.27	4.15	0.01	93.6	10.09	4.86	3.55
				Glass10	64.0	0.42	14.7	2.58	0.15	0.46	1.67	5.21	4.13	0.22	93.5	11.00	4.86	3.53
				Average	63.5	0.52	14.7	2.97	0.08	0.46	1.59	5.14	4.12	0.19	93.3	10.64	4.85	3.52
				1 σ	1.5	0.39	0.2	1.86	0.05	0.06	0.11	0.25	0.24	0.17	0.5	0.74	0.02	0.09

			Recalc Totals	68.1	0.56	15.7	3.19	0.08	0.50	1.70	5.51	4.42	0.20	100.0	10.64	4.85	3.52
900	100	48	Glass1	64.8	0.57	15.7	2.59	0.10	0.43	1.21	4.29	4.73	0.02	94.4	9.14	3.77	4.05
			Glass2	64.4	0.65	16.0	3.01	0.08	0.41	1.40	4.34	4.41	0.17	94.6	10.52	3.75	4.07
			Glass3	65.8	0.42	15.8	2.13	0.07	0.41	1.62	3.82	4.86	0.30	95.1	12.38	3.75	4.20
			Glass4	65.7	0.44	15.9	2.42	0.13	0.39	1.34	4.29	4.53	0.00	95.1	9.97	3.76	4.07
			Glass5	65.5	0.41	15.4	2.41	0.15	0.42	1.30	4.15	4.68	0.02	94.5	9.73	3.77	4.05
			Glass6	66.5	0.46	15.7	2.30	0.09	0.43	1.43	4.15	4.75	0.01	95.8	10.56	3.76	4.07
			Glass7	66.6	0.48	15.7	2.15	0.12	0.38	1.38	4.29	4.64	0.00	95.8	10.06	3.77	4.09
			Glass8	66.6	0.47	15.8	2.43	0.02	0.41	1.30	4.27	5.01	0.10	96.4	9.57	3.78	4.07
			Glass9	66.3	0.29	15.7	2.45	0.26	0.42	1.32	4.05	4.58	0.26	95.6	9.95	3.75	4.13
			Glass10	65.8	0.41	15.8	2.23	0.06	0.47	1.37	4.01	4.85	0.04	94.9	10.42	3.76	4.08
			Glass11	64.9	0.46	16.1	2.39	0.00	0.36	1.29	4.13	4.68	0.26	94.6	9.94	3.75	4.16
			Average	65.7	0.46	15.8	2.41	0.07	0.41	1.36	4.16	4.70	0.09	95.1	10.20	3.76	4.09
			1 σ	0.8	0.09	0.2	0.24	0.10	0.03	0.11	0.16	0.17	0.13	0.6	0.84	0.01	0.05
			Recalc Totals	69.1	0.48	16.6	2.53	0.07	0.43	1.43	4.37	4.94	0.10	100.0	10.20	3.76	4.09
900	50	48	Glass1	68.6	0.38	14.5	1.86	0.13	0.23	0.88	4.87	5.57	0.09	97.1	5.89	2.61	4.69
			Glass2	68.0	0.34	15.1	1.83	0.06	0.18	1.10	5.10	5.19	0.24	97.1	7.29	2.60	4.77
			Glass3	68.9	0.38	14.8	1.91	0.11	0.26	0.96	4.25	5.44	0.14	97.1	6.85	2.58	4.81
			Glass4	69.1	0.42	14.4	1.88	0.07	0.23	0.73	4.75	5.45	0.13	97.2	4.94	2.60	4.76
			Glass5	67.3	0.38	15.4	2.49	0.02	0.39	1.06	5.24	5.12	0.01	97.4	7.06	2.60	4.56
			Glass6	69.5	0.38	14.5	1.85	0.04	0.15	0.73	5.08	5.25	0.07	97.5	4.78	2.61	4.74
			Glass7	69.6	0.43	14.6	1.95	0.08	0.27	0.76	4.79	5.61	0.13	98.1	5.07	2.61	4.73
			Glass8	69.4	0.40	14.5	1.79	0.05	0.21	0.73	4.73	5.50	0.15	97.5	4.95	2.60	4.80
			Average	68.8	0.39	14.7	1.95	0.07	0.24	0.87	4.85	5.39	0.12	97.4	5.84	2.60	4.73
			1 σ	0.8	0.03	0.4	0.22	0.04	0.07	0.15	0.31	0.18	0.07	0.3	1.06	0.01	0.08
			Recalc Totals	70.6	0.40	15.1	2.00	0.07	0.24	0.89	4.98	5.54	0.12	100.0	5.84	2.60	4.73
950	50	48	Glass1	65.9	0.67	15.5	2.99	0.14	0.61	1.62	5.32	4.47	0.08	97.3	10.59	2.48	4.09
			Glass2	66.3	0.55	15.6	3.16	0.16	0.73	1.61	5.57	4.36	0.20	98.2	10.28	2.48	4.07
			Glass3	66.0	0.59	15.5	3.05	0.08	0.58	1.63	5.56	4.46	0.23	97.7	10.39	2.49	4.09
			Glass4	65.8	0.57	15.3	3.09	0.12	0.56	1.60	5.18	4.40	0.19	96.8	10.54	2.48	4.12
			Glass5	66.2	0.60	15.6	3.15	0.06	0.55	1.61	5.44	4.45	0.16	97.8	10.40	2.48	4.10

Glass6	65.9	0.54	15.4	3.04	0.10	0.54	1.62	5.55	4.41	0.19	97.3	10.35	2.49	4.09
Glass7	66.4	0.51	15.5	2.98	0.14	0.62	1.61	5.43	4.22	0.12	97.5	10.37	2.48	4.11
Glass8	65.3	0.60	15.4	2.93	0.09	0.55	1.62	5.36	4.67	0.21	96.8	10.59	2.49	4.10
Glass9	66.1	0.60	15.6	2.99	0.13	0.55	1.64	5.70	4.35	0.11	97.8	10.33	2.49	4.07
Average	66.0	0.58	15.5	3.04	0.12	0.59	1.62	5.46	4.42	0.17	97.5	10.42	2.48	4.09
1 σ	0.3	0.05	0.1	0.08	0.03	0.06	0.01	0.16	0.12	0.05	0.5	0.12	0.00	0.02
Recalc Totals	67.7	0.60	15.9	3.12	0.12	0.60	1.66	5.60	4.54	0.17	100.0	10.42	2.48	4.09

Table C5: Experimental Plagioclase Analyses

Temp (°C)	Pressure (MPa)	Duration (h)	Phase	SiO ₂	TiO ₂	Al ₂ O ₃	FeO	MnO	MgO	CaO	BaO	Na ₂ O	K ₂ O	Total	XAn	XAb	XOr
MLV44 Experimental Plagioclase Analyses																	
750	200	96	Plag1	60.62	0.13	23.57	0.47	0.00	0.08	5.28	0.13	6.97	1.21	98.46	27.3	65.2	7.5
			Plag2	62.08	0.03	23.94	0.24	-0.02	0.03	5.47	0.15	7.43	0.95	100.31	27.3	67.1	5.6
			Plag3	62.60	0.11	24.05	0.46	0.02	0.10	5.46	0.10	6.82	0.99	100.71	28.8	65.0	6.2
			Plag4	63.61	0.00	23.53	0.10	0.01	-0.01	5.11	0.08	7.12	1.08	100.62	26.5	66.8	6.7
			Plag5	64.18	0.03	22.96	0.17	0.03	0.04	4.99	0.26	6.80	1.05	100.82	26.9	66.4	6.7
			Plag6	62.01	0.02	24.20	0.16	0.04	0.03	5.57	0.17	7.10	1.17	100.46	28.1	64.9	7.0
			average	62.52	0.05	23.71	0.27	0.01	0.05	5.31	0.15	7.04	1.08	100.23	27.5	65.9	6.6
<i>1σ</i>	<i>1.27</i>	<i>0.05</i>	<i>0.45</i>	<i>0.16</i>	<i>0.02</i>	<i>0.04</i>	<i>0.23</i>	<i>0.06</i>	<i>0.23</i>	<i>0.10</i>	<i>0.89</i>	<i>0.8</i>	<i>1.0</i>	<i>0.6</i>			
750	200	48	Plag1	60.62	0.13	23.57	0.47	0.00	0.08	5.28	0.13	6.97	1.21	98.46	27.3	65.2	7.5
			Plag2	62.60	0.11	24.05	0.46	0.02	0.10	5.26	0.10	7.02	0.99	100.71	27.5	66.4	6.2
			Plag3	62.01	0.02	24.20	0.16	0.04	0.03	5.57	0.17	7.10	1.17	100.46	28.1	64.9	7.0
			Plag4	62.08	0.03	23.94	0.24	-0.02	0.03	5.47	0.15	7.43	0.95	100.31	27.3	67.1	5.6
			Plag5	63.61	0.00	23.53	0.10	0.01	-0.01	5.11	0.08	7.12	1.08	100.62	26.5	66.8	6.7
			average	62.18	0.06	23.86	0.29	0.01	0.05	5.34	0.13	7.13	1.08	100.11	27.3	66.1	6.6
			<i>1σ</i>	<i>1.08</i>	<i>0.06</i>	<i>0.30</i>	<i>0.17</i>	<i>0.02</i>	<i>0.04</i>	<i>0.18</i>	<i>0.04</i>	<i>0.18</i>	<i>0.11</i>	<i>0.94</i>	<i>0.6</i>	<i>1.0</i>	<i>0.7</i>
750	100	72	Plag1	66.05	0.02	19.99	0.45	-0.04	0.04	3.35	0.36	6.43	2.48	100.71	19.2	66.6	14.2
			Plag2	65.82	0.16	20.33	0.90	-0.03	0.20	3.68	0.26	6.71	1.90	99.44	20.3	67.1	12.5
			Plag3	65.82	0.16	20.33	0.90	-0.03	0.20	3.68	0.26	6.71	1.80	99.44	20.3	67.1	12.5
			Plag4	66.07	0.07	19.40	0.52	0.05	0.03	3.36	0.23	6.73	2.01	99.86	19.7	67.9	11.3
			average	65.94	0.10	20.01	0.69	-0.01	0.12	3.52	0.28	6.65	2.05	99.86	19.9	67.2	12.6
			<i>1σ</i>	<i>0.14</i>	<i>0.07</i>	<i>0.44</i>	<i>0.24</i>	<i>0.04</i>	<i>0.10</i>	<i>0.19</i>	<i>0.06</i>	<i>0.14</i>	<i>0.30</i>	<i>0.60</i>	<i>0.6</i>	<i>0.5</i>	<i>1.2</i>
			800	100	72	Plag1	65.24	0.02	21.51	0.72	0.08	0.13	4.05	0.3	6.65	1.73	100.42
Plag2	64	0.03				21.65	0.68	0.03	0.06	4.24	0.15	6.37	1.6	98.83	24.0	65.2	10.8
Plag3	64.17	0.08				22.14	0.64	0	0.11	5	0.36	6.71	1.38	100.61	25.4	65.7	8.9
Plag4	66.03	0.05				21.18	0.59	0	0.07	4.32	0.31	6.12	1.66	100.34	24.9	63.8	11.4
average	64.86	0.05				21.62	0.66	0.03	0.09	4.40	0.28	6.46	1.59	100.05	24.5	65.0	10.6
<i>1σ</i>	<i>0.95</i>	<i>0.03</i>				<i>0.40</i>	<i>0.06</i>	<i>0.04</i>	<i>0.03</i>	<i>0.41</i>	<i>0.09</i>	<i>0.27</i>	<i>0.15</i>	<i>0.82</i>	<i>0.8</i>	<i>0.8</i>	<i>1.1</i>

850	70	48	plagioclase present, but too small for analysis														
950	30	48	Plag1	64.50	0.20	18.37	0.52	0.04	0.16	4.85		7.41	2.59	98.63	22.7	62.9	14.4
			Plag2	65.27	0.10	18.41	0.56	0.00	0.11	4.51		6.95	2.94	98.85	21.9	61.1	17.0
			Plag3	65.82	0.18	18.10	0.75	0.00	0.10	4.51		6.83	3.03	99.32	22.0	60.4	17.6
			average	65.20	0.16	18.29	0.61	0.01	0.12	4.62		7.06	2.85	98.93	22.2	61.4	16.4
			<i>1σ</i>	<i>0.66</i>	<i>0.05</i>	<i>0.17</i>	<i>0.12</i>	<i>0.02</i>	<i>0.03</i>	<i>0.19</i>		<i>0.31</i>	<i>0.24</i>	<i>0.35</i>	<i>0.4</i>	<i>1.3</i>	<i>1.7</i>

MLV36 Experimental Plagioclase Analyses				SiO ₂	TiO ₂	Al ₂ O ₃	FeO	MnO	MgO	CaO	BaO	Na ₂ O	K ₂ O	Total	XAn	XAb	XOr
750	220	48	Plag1	57.88	0.01	26.17	0.30	0.00	0.02	8.59		6.36	0.70	100.03	41.0	55.0	4.0
			Plag2	57.49	0.01	26.75	0.38	0.02	0.03	8.80		6.51	0.54	100.53	41.5	55.5	3.0
			Plag3	58.80	0.02	26.87	0.38	0.05	0.04	8.64		5.64	0.63	101.06	44.1	52.1	3.8
			Plag4	57.67	0.00	26.69	0.36	0.03	0.03	9.03		6.25	0.52	100.59	43.1	53.9	3.0
			average	57.96	0.01	26.62	0.35	0.02	0.03	8.77		6.19	0.60	100.55	42.4	54.2	3.5
			<i>1σ</i>	<i>0.58</i>	<i>0.01</i>	<i>0.31</i>	<i>0.03</i>	<i>0.02</i>	<i>0.01</i>	<i>0.20</i>		<i>0.38</i>	<i>0.08</i>	<i>0.42</i>	<i>1.4</i>	<i>1.5</i>	<i>0.5</i>
750	200	120	Plag1	59.52	0.06	24.62	0.44	-0.05	0.01	5.96	0.19	7.41	0.64	98.80	29.6	66.6	3.8
			Plag2	59.87	0.01	24.33	0.24	0.05	0.01	6.59	0.13	7.41	0.68	99.29	31.7	64.4	3.9
			Plag3	59.35	0.08	25.04	0.48	0.00	0.11	6.52	0.15	7.33	0.71	99.77	31.6	64.3	4.1
			Plag4	59.62	0.00	24.06	0.26	-0.01	0.03	5.99	0.10	7.34	0.65	98.05	29.9	66.2	3.9
			Plag5	61.57	0.04	23.37	0.34	0.02	0.00	5.90	0.28	7.70	0.87	100.09	28.2	66.8	5.0
			Plag6	59.98	0.01	24.24	0.30	-0.02	0.01	6.34	0.24	7.86	0.93	99.90	29.2	65.6	5.1
			Plag7	63.33	0.05	23.12	0.36	-0.05	0.02	5.56	0.08	6.73	1.10	100.31	29.2	64.0	6.9
			Plag8	60.65	0.07	25.21	0.31	-0.04	0.03	6.19	0.01	7.20	0.77	100.42	30.7	64.7	4.6
			Plag9	60.89	0.01	23.58	0.28	0.04	0.02	6.03	0.08	7.56	0.76	99.23	29.3	66.3	4.4
			average	60.53	0.03	24.18	0.34	0.00	0.03	6.12	0.14	7.39	0.79	99.54	29.9	65.4	4.6
			<i>1σ</i>	<i>1.28</i>	<i>0.04</i>	<i>0.72</i>	<i>0.08</i>	<i>0.04</i>	<i>0.03</i>	<i>0.33</i>	<i>0.08</i>	<i>0.32</i>	<i>0.15</i>	<i>0.77</i>	<i>1.2</i>	<i>1.1</i>	<i>1.0</i>
750	200	48	Plag1	59.10	0.10	25.17	0.88	-0.01	0.15	5.66	0.21	7.27	0.21	98.74	29.7	69.0	1.3
			Plag2	60.70	0.20	24.86	0.55	0.15	0.39	5.56	0.07	6.97	0.22	99.67	30.1	68.4	1.4
			Plag3	60.15	0.07	24.88	0.70	0.08	0.08	5.88	0.06	7.82	0.42	100.16	28.7	68.9	2.5
			Plag4	60.42	0.27	24.66	0.15	0.12	0.54	5.93	0.28	7.04	0.47	99.87	30.9	66.2	2.9
			Plag5	59.21	0.06	25.20	0.83	0.17	0.13	5.67	0.08	6.98	0.48	98.83	30.0	66.9	3.1

				Plag6	60.35	0.08	25.02	0.55	0.01	0.13	6.00	0.19	7.03	0.50	99.86	31.0	65.9	3.1
				Plag7	60.79	0.05	24.21	0.70	0.03	0.09	6.36	0.06	7.58	0.36	100.23	31.0	66.9	2.1
				Plag8	60.65	0.07	25.21	0.31	-0.04	0.03	6.19	0.01	7.20	0.77	100.42	30.7	64.7	4.6
				average	60.17	0.11	24.90	0.58	0.06	0.19	5.91	0.12	7.24	0.43	99.72	30.3	67.1	2.6
				<i>1σ</i>	0.66	0.08	0.34	0.25	0.08	0.18	0.28	0.09	0.31	0.18	0.63	0.8	1.5	1.0
750	100	72		Plag1	63.94	0.27	21.39	1.03	0.01	0.3	3.56	0.12	7.08	1.98	99.67	19.0	68.4	12.6
				Plag2	63.45	0.09	21.82	0.74	0.01	0.22	3.82	0.4	7.09	2.03	99.69	20.0	67.3	12.7
				Plag3	63.94	0.08	21.81	0.64	0.08	0.11	3.68	0.29	7.29	2.06	100	19.0	68.3	12.7
				Plag4	63.53	0.08	21.02	0.53	0.01	0.05	3.35	0.26	7.11	2.04	99.98	17.9	69.1	13.0
				Average	63.72	0.13	21.51	0.74	0.03	0.17	3.60	0.27	7.14	2.03	99.84	19.0	68.3	12.8
				<i>1σ</i>	0.26	0.09	0.38	0.21	0.04	0.11	0.20	0.12	0.10	0.03	0.18	0.9	0.8	0.2
800	150	48		Plag1	59.06	0.02	25.31	0.34	0.05	0.05	7.25	0.03	5.83	0.57	98.51	39.2	57.1	3.7
				Plag2	63.60	0.04	24.87	0.27	0.00	0.09	6.62		4.71	0.85	101.12	41.0	52.8	6.3
				Plag3	61.44	0.02	25.56	0.30	0.00	0.02	7.79		6.51	0.88	100.20	37.8	57.1	5.1
				Plag4	62.36	0.00	24.84	0.18	0.00	0.04	6.91		5.80	0.83	100.93	37.6	57.1	5.3
				Plag5	62.37	0.02	24.31	0.19	0.00	0.01	7.04		5.58	0.75	100.27	39.0	56.0	5.0
				Plag6	63.34	0.04	24.83	0.25	0.00	0.04	6.72		4.15	0.65	100.00	44.8	50.0	5.2
				Average	62.03	0.02	24.95	0.26	0.01	0.04	7.06	0.03	5.43	0.76	100.17	39.9	55.0	5.1
				<i>1σ</i>	1.65	0.01	0.43	0.06	0.02	0.03	0.42		0.85	0.12	0.92	3.0	3.1	0.5
800	100	72		Plag1	62.56	0.12	23.17	0.44	-0.01	0.02	5.95	0.15	6.70	1.42	100.54	30.1	61.4	8.5
				Plag2	62.01	0.47	23.38	1.02	0.02	0.13	6.12	0.02	6.73	1.13	101.02	31.1	62.0	6.9
				Plag3	63.13	0.14	22.99	0.75	-0.02	0.07	5.35	0.15	6.75	1.40	100.71	27.8	63.5	8.7
				Plag4	62.86	0.03	22.70	0.61	-0.03	0.11	5.46	0.33	6.50	1.62	100.19	28.5	61.4	10.0
				Plag5	63.51	0.07	22.54	0.54	0.01	0.08	5.23	0.04	6.68	1.63	100.33	27.2	62.8	10.1
				Average	62.81	0.16	22.96	0.67	-0.01	0.08	5.62	0.14	6.67	1.44	100.56	28.9	62.2	8.8
				<i>1σ</i>	0.57	0.17	0.34	0.23	0.02	0.04	0.39	0.12	0.10	0.20	0.32	1.6	0.9	1.3
850	100	48		Plag1	59.16	0.05	24.47	0.76	-0.01	0.08	8.68	0.19	4.32	0.92	98.61	49.4	44.4	6.2
				Plag2	59.94	0.09	25.04	0.65	-0.02	0.10	8.68	0.05	4.40	0.95	99.87	48.9	44.8	6.4
				Plag3	59.82	0.03	24.96	0.54	-0.02	0.06	8.93	0.19	4.82	0.82	100.15	48.9	46.8	5.2
				Plag4	58.79	0.02	25.42	0.65	-0.01	0.09	9.18	-0.02	4.19	0.70	99.00	51.1	44.1	4.9
				Plag5	57.89	0.06	25.61	0.68	-0.01	0.11	9.14	0.05	4.74	0.61	98.88	49.6	46.5	3.9
				Average	59.48	0.04	25.01	0.66	-0.01	0.09	8.76	0.11	4.26	0.80	99.30	49.6	45.3	5.3
				<i>1σ</i>	1.16	0.03	0.45	0.07	0.01	0.02	0.26	0.09	0.62	0.13	0.67	0.9	1.3	1.0

850	80	48	Plag1	60.19	0.11	22.80	0.39	0.00	0.02	8.28	6.97	0.25	99.01	39.0	59.5	1.4
			Plag2	58.09	0.12	23.68	0.33	0.00	0.07	8.01	7.68	1.06	99.03	34.6	60.0	5.5
			Plag3	58.23	0.17	23.32	0.25	0.32	0.01	7.98	7.86	0.80	98.94	34.5	61.4	4.1
			Plag4	58.65	0.17	23.79	0.46	0.03	0.05	8.03	7.41	0.66	99.26	36.1	60.3	3.6
			Plag5	60.59	0.10	23.98	0.33	0.08	0.08	7.17	6.97	0.65	99.96	34.9	61.3	3.8
			Plag6	60.90	0.11	23.36	0.37	0.11	0.09	6.98	7.09	0.36	99.36	34.5	63.4	2.1
			Average	59.44	0.13	23.49	0.35	0.09	0.05	7.74	7.33	0.63	99.26	35.6	61.0	3.4
<i>1σ</i>	<i>1.26</i>	<i>0.03</i>	<i>0.42</i>	<i>0.07</i>	<i>0.12</i>	<i>0.03</i>	<i>0.53</i>	<i>0.38</i>	<i>0.29</i>	<i>0.38</i>	<i>1.8</i>	<i>1.4</i>	<i>1.4</i>			
850	60	48	Plag1	62.78	0.09	21.91	0.50	0.00	0.00	5.10	7.64	1.03	99.25	25.3	68.6	6.1
			Plag2	65.09	0.13	20.91	0.84	0.00	0.41	4.75	6.87	1.03	100.24	25.8	67.5	6.6
			Plag3	61.72	0.75	20.99	0.80	0.19	0.07	5.34	7.94	1.01	98.79	25.5	68.7	5.7
			Plag4	63.13	0.05	20.86	0.38	0.00	0.14	5.21	7.58	1.03	97.88	25.8	68.1	6.1
			Plag5	62.72	0.10	21.24	0.60	0.00	0.07	4.81	7.64	1.07	98.19	24.1	69.5	6.4
			Average	63.09	0.22	21.18	0.62	0.04	0.14	5.04	7.53	1.03	98.87	25.3	68.5	6.2
			<i>1σ</i>	<i>1.24</i>	<i>0.29</i>	<i>0.43</i>	<i>0.20</i>	<i>0.08</i>	<i>0.16</i>	<i>0.25</i>	<i>0.40</i>	<i>0.02</i>	<i>0.93</i>	<i>0.7</i>	<i>0.7</i>	<i>0.3</i>
900	50	48	Plag1	63.20	0.07	23.20	0.55	0.02	0.11	6.76	5.86	1.26	101.03	35.8	56.2	8.0
			Plag2	62.69	0.09	23.00	0.51	0.00	0.12	6.97	5.88	1.73	101.00	35.4	54.1	10.5
			Plag3	64.43	0.08	20.42	0.90	0.00	0.13	5.36	5.17	2.18	98.66	31.0	54.0	15.0
			Plag4	64.76	0.13	20.76	0.68	0.00	0.11	5.72	5.17	2.08	99.41	32.6	53.3	14.1
			Average	63.77	0.10	21.84	0.66	0.01	0.12	6.20	5.52	1.81	100.03	33.7	54.4	11.9
			<i>1σ</i>	<i>0.98</i>	<i>0.03</i>	<i>1.46</i>	<i>0.18</i>	<i>0.01</i>	<i>0.01</i>	<i>0.78</i>	<i>0.41</i>	<i>0.41</i>	<i>1.18</i>	<i>2.3</i>	<i>1.2</i>	<i>3.3</i>

TEQ34 Experimental Plagioclase Analyses			SiO ₂	TiO ₂	Al ₂ O ₃	FeO	MnO	MgO	CaO	BaO	Na ₂ O	K ₂ O	Total	XAn	XAb	XOr	
750	300	120	Plag1	58.74	0.36	23.39	1.46	0.04	0.72	6.71	0.26	6.24	0.61	98.53	35.8	60.3	3.9
			Plag2	60.53	0.04	23.74	0.38	0.00	0.02	6.68	0.44	7.42	0.30	99.55	32.6	65.6	1.8
			Plag3	59.02	0.02	24.92	0.24	-0.01	-0.02	6.66	0.42	6.78	0.58	98.61	33.9	62.5	3.5
			Plag4	58.18	0.06	25.84	0.49	-0.02	-0.02	7.42	0.22	7.77	0.22	100.15	34.1	64.7	1.2
			Plag5	60.43	0.05	24.18	0.39	0.01	0.01	6.61	0.40	6.83	0.45	99.35	33.9	63.4	2.7
			Plag6	58.13	-	24.65	0.23	0.04	-0.01	8.54	0.24	7.49	0.56	99.85	37.5	59.5	2.9
			Plag7	58.77	0.10	23.91	0.61	0.01	0.15	7.95	0.48	8.09	0.37	100.45	34.5	63.6	1.9
Average	59.11	0.09	24.38	0.54	0.01	0.12	7.22	0.35	7.23	0.44	99.50	34.6	62.8	2.6			
<i>1σ</i>	<i>0.99</i>	<i>0.12</i>	<i>0.83</i>	<i>0.43</i>	<i>0.02</i>	<i>0.27</i>	<i>0.77</i>	<i>0.11</i>	<i>0.64</i>	<i>0.15</i>	<i>0.73</i>	<i>1.6</i>	<i>2.2</i>	<i>1.0</i>			

750	250	120	Plag1	62.39	0.08	21.41	0.68	-0.16	0.13	4.35	0.23	8.46	0.49	98.07	21.5	75.6	2.9
			Plag2	60.93	1.52	22.25	2.34	-0.08	0.04	4.56	-0.09	8.56	0.18	100.20	22.5	76.5	1.0
			Plag3	62.49	0.02	21.58	0.43	0.02	0.03	4.20	-0.02	8.12	1.41	98.26	20.4	71.4	8.1
			Plag4	63.64	0.05	20.77	0.54	0.02	0.03	4.88	0.27	7.16	0.68	98.05	26.2	69.5	4.4
			Plag5	63.46	0.13	21.45	0.59	-0.06	0.12	4.53	0.21	8.35	0.66	99.45	22.2	74.0	3.9
			Plag6	60.74	0.33	22.18	0.28	0.14	0.14	4.53	0.16	8.51	1.15	98.17	21.3	72.3	6.4
			Plag7	61.18	0.09	21.24	0.11	-0.08	0.06	4.69	0.04	8.87	0.60	96.79	21.9	74.8	3.3
			Plag8	63.58	0.00	23.58	0.45	-0.01	0.06	4.69	0.12	8.51	0.88	101.85	22.2	72.8	5.0
			Plag9	62.96	0.06	22.51	0.62	0.11	0.12	4.55	0.02	7.75	1.36	100.07	22.5	69.5	8.0
			Average	62.37	0.25	21.88	0.67	-0.01	0.08	4.55	0.10	8.26	0.82	98.99	22.3	72.9	4.8
<i>I</i> σ	<i>1.16</i>	<i>0.48</i>	<i>0.84</i>	<i>0.65</i>	<i>0.10</i>	<i>0.05</i>	<i>0.20</i>	<i>0.12</i>	<i>0.51</i>	<i>0.41</i>	<i>1.53</i>	<i>1.6</i>	<i>2.5</i>	<i>2.4</i>			
750	250	48	Plag1	62.66	0.36	24.04	0.29	0.02	0.31	4.20	0.16	7.20	0.72	99.98	23.2	72.0	4.8
			Plag2	62.09	0.15	23.02	0.87	-0.04	0.13	4.24	0.11	7.63	0.51	98.72	22.7	74.0	3.3
			Plag3	62.16	0.42	23.73	0.39	0.06	0.25	4.31	0.33	7.85	0.19	99.70	23.0	75.8	1.2
			Plag4	62.99	0.12	23.61	0.17	0.02	0.10	4.26	0.22	7.50	0.36	99.35	23.3	74.3	2.4
			Plag5	62.23	0.16	23.76	0.56	-0.11	0.22	4.46	0.08	7.79	0.71	99.86	23.0	72.6	4.4
			Average	62.43	0.24	23.63	0.46	-0.01	0.20	4.29	0.18	7.59	0.50	99.52	23.0	73.8	3.2
<i>I</i> σ	<i>0.39</i>	<i>0.14</i>	<i>0.38</i>	<i>0.27</i>	<i>0.07</i>	<i>0.09</i>	<i>0.10</i>	<i>0.10</i>	<i>0.26</i>	<i>0.23</i>	<i>0.51</i>	<i>0.2</i>	<i>1.5</i>	<i>1.5</i>			
750	200	120	Plag1	63.44	0.38	18.69	2.54	-0.10	0.53	2.63	0.16	6.68	2.29	97.32	15.1	69.3	15.6
			Plag2	63.63	0.29	21.44	1.89	0.17	0.33	3.24	0.23	7.68	2.39	101.25	16.2	69.6	14.2
			Plag3	64.66	0.36	21.04	0.29	0.02	0.31	3.02	0.16	7.20	1.72	98.80	16.7	72.0	11.3
			Plag4	63.09	0.15	21.02	0.87	-0.04	0.13	3.24	0.11	7.36	1.51	97.44	17.6	72.6	9.8
			Plag5	64.99	0.12	20.61	0.17	0.02	0.10	3.26	0.22	7.01	1.56	98.06	18.3	71.2	10.5
			Plag6	65.25	0.06	20.22	0.75	-0.09	0.03	3.27	0.18	7.28	1.50	98.55	17.9	72.3	9.8
			Plag7	62.23	0.16	20.76	1.56	-0.11	0.22	3.46	0.08	7.79	1.71	98.09	17.7	71.9	10.4
			Plag8	63.06	0.32	20.81	1.99	0.02	0.29	3.07	0.23	7.31	1.71	99.00	16.8	72.2	11.1
			Average	63.79	0.23	20.57	1.26	-0.01	0.24	3.15	0.17	7.29	1.80	98.57	17.0	71.4	11.6
			<i>I</i> σ	<i>1.07</i>	<i>0.12</i>	<i>0.84</i>	<i>0.86</i>	<i>0.09</i>	<i>0.16</i>	<i>0.25</i>	<i>0.06</i>	<i>0.35</i>	<i>0.35</i>	<i>1.24</i>	<i>1.1</i>	<i>1.3</i>	<i>2.2</i>
750	200	96	plagioclase present, but too small for analysis														
750	200	48	plagioclase present, but too small for analysis														
800	250	48	Plag1	60.88	0.25	23.41	0.23	0.15	0.39	5.91	0.36	7.87	0.13	99.58	29.1	70.1	0.8
			Plag2	61.55	0.10	23.35	0.21	-0.08	0.26	5.82	0.21	8.06	0.14	99.60	28.3	70.9	0.8
			Plag3	61.11	0.13	22.38	0.64	-0.03	0.41	5.81	0.32	7.22	0.28	98.25	30.2	68.0	1.7

				Plag4	61.18	0.05	24.48	0.68	0.05	0.08	5.84	0.13	7.55	0.43	100.47	29.2	68.3	2.5	
				Plag5	62.33	0.05	24.12	0.52	0.00	0.04	5.75	0.12	6.62	0.84	100.40	30.7	64.0	5.3	
				Plag6	61.90	0.08	23.72	0.43	-0.02	0.39	5.73	0.33	7.28	0.23	100.07	29.9	68.7	1.4	
				Plag7	61.11	0.13	22.84	0.68	0.24	0.40	5.79	0.42	7.42	0.01	99.04	30.1	69.8	0.0	
				Plag8	60.21	0.07	23.06	0.63	0.15	0.06	5.92	0.29	7.65	0.80	98.85	28.6	66.8	4.6	
				Average	61.28	0.11	23.42	0.50	0.06	0.25	5.82	0.27	7.46	0.36	99.53	29.5	68.3	2.2	
				<i>1σ</i>	<i>0.65</i>	<i>0.07</i>	<i>0.68</i>	<i>0.20</i>	<i>0.11</i>	<i>0.17</i>	<i>0.07</i>	<i>0.11</i>	<i>0.44</i>	<i>0.31</i>	<i>0.78</i>	<i>0.9</i>	<i>2.2</i>	<i>1.9</i>	
800	200	48		Plag1	61.38	0.02	23.81	0.52	0.01	0.03	5.45	0.06	7.85	0.88	100.00	26.3	68.6	5.0	
				Plag2	61.51	0.03	24.22	0.45	0.01	0.01	5.72	-0.02	7.83	0.77	100.52	27.5	68.1	4.4	
				Plag3	62.47	0.21	21.49	0.62	0.04	0.05	5.37	0.24	7.46	0.77	98.71	27.1	68.3	4.6	
				Plag4	62.79	0.01	23.83	0.35	0.01	0.03	5.46	0.20	7.15	0.85	100.66	28.1	66.7	5.2	
				Plag5	61.39	0.00	24.35	0.53	0.00	0.04	5.67	0.09	7.68	0.83	98.59	27.6	67.6	4.8	
				Average	61.91	0.05	23.54	0.49	0.01	0.03	5.53	0.11	7.60	0.82	99.70	27.3	67.9	4.8	
				<i>1σ</i>	<i>0.67</i>	<i>0.09</i>	<i>1.17</i>	<i>0.10</i>	<i>0.01</i>	<i>0.02</i>	<i>0.16</i>	<i>0.11</i>	<i>0.29</i>	<i>0.05</i>	<i>0.99</i>	<i>0.7</i>	<i>0.8</i>	<i>0.3</i>	
800	150	48		Plag1	63.61	0.22	22.16	0.92	0.01	0.04	3.59	0.37	7.07	1.76	99.82	19.4	69.2	11.3	
				Plag2	63.83	0.26	22.10	0.82	0.09	0.01	3.60	0.28	6.19	1.64	98.82	21.5	66.9	11.7	
				Plag3	64.37	0.21	21.62	1.59	-0.02	0.13	3.56	0.30	5.52	1.86	99.19	22.6	63.4	14.1	
				Plag4	64.59	0.14	22.12	0.67	0.01	0.08	3.10	0.60	6.11	1.61	99.77	19.3	68.8	11.9	
				Plag5	65.08	0.10	21.59	0.72	0.02	0.09	3.23	0.58	5.95	1.61	99.53	20.3	67.7	12.0	
				Average	64.30	0.19	21.92	0.94	0.02	0.07	3.42	0.43	6.17	1.69	99.43	20.6	67.3	12.2	
				<i>1σ</i>	<i>0.59</i>	<i>0.07</i>	<i>0.29</i>	<i>0.37</i>	<i>0.04</i>	<i>0.05</i>	<i>0.23</i>	<i>0.15</i>	<i>0.57</i>	<i>0.11</i>	<i>0.42</i>	<i>1.4</i>	<i>2.3</i>	<i>1.1</i>	
800	110	48		plagioclase present, but too small for analysis															
900	50	48		Plag1	63.93	0.13	20.46	0.96	-0.05	0.03	3.29	0.70	7.07	2.52	99.05	17.2	67.1	15.7	
				Plag2	64.09	0.22	20.57	1.19	0.06	0.02	2.91	0.56	6.77	2.44	99.14	16.1	67.8	16.1	
				Plag3	64.62	0.26	20.67	1.14	-0.05	0.07	3.21	0.50	6.14	2.54	99.20	18.5	64.0	17.5	
				Plag4	63.01	0.17	21.38	1.12	-0.02	0.10	3.92	0.34	7.40	2.03	99.47	19.9	67.9	12.3	
				Plag5	63.51	0.24	21.13	1.17	0.07	0.06	3.66	0.47	6.09	2.60	98.99	20.6	62.0	17.4	
				Plag6	61.91	0.32	21.17	2.49	-0.01	0.10	4.05	0.52	6.97	2.13	99.67	21.1	65.7	13.2	
				Average	63.51	0.22	20.90	1.35	0.00	0.07	3.51	0.51	6.74	2.38	99.25	18.9	65.7	15.4	
				<i>1σ</i>	<i>0.95</i>	<i>0.07</i>	<i>0.38</i>	<i>0.57</i>	<i>0.05</i>	<i>0.03</i>	<i>0.44</i>	<i>0.12</i>	<i>0.53</i>	<i>0.24</i>	<i>0.26</i>	<i>2.0</i>	<i>2.3</i>	<i>2.2</i>	

Table C6: Experimental Orthopyroxene Analyses

	Temp (°C)	Pressure (MPa)	Duration (h)	Phase	SiO ₂	TiO ₂	Al ₂ O ₃	FeO	MnO	MgO	CaO	Na ₂ O	K ₂ O	Total	XMgO	XFeO	Mg#
MLV36	750	100	72	orthopyroxene present, but too small for analysis													
MLV36	800	150	48	orthopyroxene present, but too small for analysis													
MLV36	800	100	72	orthopyroxene present, but too small for analysis													
MLV36	850	100	48	Opx1	51.4	0.52	2.35	24.3	0.71	17.5	1.86	0.21	0.35	99.2	0.25	0.20	55.8
				Opx2	53.7	0.20	2.46	22.8	0.70	17.3	1.42	0.20	0.39	99.1	0.25	0.19	57.0
				Opx3	53.2	0.19	2.39	23.5	0.74	18.5	1.39	0.04	0.21	100.1	0.26	0.19	57.9
				Opx4	51.7	0.22	1.24	24.1	0.76	19.3	1.61	0.04	0.07	99.1	0.28	0.20	58.3
				Opx5	53.0	0.16	1.35	23.9	0.78	19.0	1.58	0.08	0.20	100.0	0.27	0.19	58.2
				Opx6	52.2	0.13	0.92	23.9	0.73	19.5	1.35	0.06	0.14	99.0	0.28	0.20	58.8
				Opx7	52.3	0.14	0.92	23.9	0.84	19.5	1.49	0.02	0.08	99.1	0.28	0.19	58.8
				Opx8	52.2	0.12	1.01	23.7	0.80	19.3	1.86	0.04	0.15	99.2	0.27	0.19	58.6
				Opx9	52.4	0.26	1.22	24.3	0.80	19.5	1.96	0.06	0.06	100.5	0.27	0.20	58.3
				Opx10	52.7	0.15	1.60	23.3	0.74	19.0	1.47	0.06	0.18	99.1	0.27	0.19	58.8
				Opx11	52.0	0.22	0.96	23.5	0.87	19.3	2.63	0.03	0.07	99.6	0.27	0.19	58.9
				Opx12	52.1	0.19	1.01	24.1	0.78	19.6	2.03	0.05	0.06	100.0	0.28	0.19	58.8
				Opx13	52.2	0.19	1.08	24.0	0.84	19.8	1.48	0.04	0.07	99.6	0.28	0.19	59.1
				Opx14	51.7	0.53	1.06	24.4	0.75	19.6	1.55	0.03	0.10	99.7	0.28	0.20	58.4
				Opx15	52.0	0.51	1.56	23.7	0.79	19.1	1.69	0.06	0.23	99.7	0.27	0.19	58.5
				Average	52.3	0.25	1.41	23.8	0.77	19.1	1.69	0.07	0.16	99.5	0.27	0.19	58.3
				1σ	0.61	0.15	0.55	0.43	0.05	0.75	0.34	0.06	0.10	0.5	0.01	0.00	0.9
MLV36	850	80	48	orthopyroxene present, but too small for analysis													
MLV36	850	60	48	orthopyroxene present, but too small for analysis													

Table C7: Experimental Clinopyroxene Analyses

	Temp (°C)	Pressure (MPa)	Duration (h)	Phase	SiO ₂	TiO ₂	Al ₂ O ₃	Cr ₂ O ₃	FeO	MnO	MgO	CaO	Na ₂ O	K ₂ O	Total	XMgO	XFeO	Mg#	
MLV44	750	100	72	clinopyroxene present, but too small for analysis															
MLV44	800	100	48	Clinopyroxene 1	51.6	0.17	0.84	-0.01	19.0	1.16	14.24	12.4	0.15	0.10	99.7	0.20	0.16	56.7	
				Clinopyroxene 2	52.2	0.14	0.82	-0.01	18.8	1.14	14.12	12.0	0.15	0.11	99.5	0.20	0.15	56.8	
				Clinopyroxene 3	51.5	0.35	0.10	0.00	19.0	0.87	14.16	12.0	0.33	0.65	99.0	0.20	0.16	56.6	
				Clinopyroxene 4	51.3	0.21	0.09	-0.03	19.0	0.86	14.27	12.1	0.52	0.66	99.0	0.21	0.16	56.8	
				Average	51.7	0.22	0.46	-0.01	18.9	1.01	14.20	12.1	0.29	0.38	99.3	0.20	0.16	56.7	
				1σ	0.4	0.10	0.42	0.01	0.1	0.17	0.07	0.2	0.18	0.32	0.4	0.00	0.00	0.1	
MLV36	750	100	72	Clinopyroxene 1	52.0	0.09	5.26		13.0	0.04	9.35	17.3	0.03	0.01	97.0	0.14	0.11	55.8	
				Clinopyroxene 2	53.3	0.23	5.07		13.3	0.37	8.95	18.1	0.45	0.10	99.9	0.13	0.11	54.1	
				Clinopyroxene 3	52.2	0.76	5.16		13.1	0.11	9.02	17.3	0.64	0.11	98.3	0.13	0.11	54.6	
				Clinopyroxene 4	53.4	0.54	4.95		13.1	0.70	8.95	17.8	0.89	0.01	100.4	0.13	0.11	54.3	
				Clinopyroxene 5	52.7	0.40	5.11		13.1	0.31	9.07	17.6	0.50	0.06	98.9	0.13	0.11	54.7	
				Average	52.7	0.40	5.11		13.1	0.31	9.07	17.6	0.50	0.06	98.9	0.13	0.11	54.7	
				1σ	0.6	0.26	0.12		0.1	0.26	0.17	0.4	0.31	0.05	1.3	0.00	0.00	0.3	
MLV36	800	150	48	Clinopyroxene 1	51.9	0.37	1.83		15.9	0.44	11.25	16.2	0.40	0.45	100.7	0.16	0.13	55.3	
				Clinopyroxene 2	52.1	0.26	2.04		15.0	0.52	11.68	17.8	0.31	0.28	100.1	0.17	0.12	57.6	
				Clinopyroxene 3	52.8	0.15	1.67		16.1	0.75	12.44	15.3	0.25	0.25	99.7	0.18	0.13	57.5	
				Clinopyroxene 4	52.1	0.24	1.92		14.6	0.61	11.98	17.6	0.31	0.29	99.7	0.17	0.12	58.8	
				Clinopyroxene 5	53.7	0.17	2.09		16.1	0.75	12.24	15.6	0.22	0.24	101.0	0.17	0.13	57.1	
				Average	52.5	0.24	1.91		15.5	0.62	11.92	16.5	0.30	0.30	100.3	0.17	0.13	57.3	
				1σ	0.7	0.09	0.17		0.7	0.14	0.47	1.2	0.07	0.08	0.6	0.00	0.01	0.8	
MLV36	800	100	72	Clinopyroxene 1	54.5	0.25	4.88		13.5	0.64	10.57	15.1	0.65	0.24	100.3	0.15	0.11	57.8	
				Clinopyroxene 2	53.3	0.23	5.07		13.3	0.37	8.95	18.1	0.45	0.10	99.9	0.13	0.11	54.1	
				Clinopyroxene 3	52.2	0.76	5.16		13.1	0.11	9.02	17.3	0.64	0.11	98.3	0.13	0.11	54.6	
				Clinopyroxene 4	53.4	0.54	4.95		13.1	0.70	8.95	17.8	0.89	0.01	100.4	0.13	0.11	54.3	
				Average	53.3	0.44	5.01		13.3	0.46	9.37	17.1	0.66	0.11	99.7	0.14	0.11	55.3	
				1σ	1.0	0.25	0.12		0.2	0.27	0.80	1.4	0.18	0.10	1.0	0.01	0.00	1.7	
MLV36	850	60	48																
TEQ34	750	300	120	clinopyroxene 1	50.3	0.32	1.46		15.6	0.98	8.54	21.5	0.58	0.11	99.4	0.21	0.22	49.4	
				clinopyroxene 2	48.5	0.45	2.32		16.5	0.86	8.43	21.2	0.74	0.12	99.1	0.21	0.23	47.7	
				clinopyroxene 3	48.5	0.58	2.56		15.6	0.96	8.18	20.4	0.73	0.17	98.7	0.20	0.22	48.3	

				clinopyroxene 4	48.5	0.52	2.41		16.8	1.04	7.73	21.0	0.79	0.15	98.9	0.19	0.23	45.1
				Average	48.9	0.47	2.19		16.1	0.96	8.22	21.0	0.71	0.14	99.0	0.20	0.22	47.6
				1 σ	0.9	0.11	0.49		0.6	0.08	0.36	0.5	0.09	0.03	0.3	0.01	0.01	1.8
TEQ34	750	250	48	clinopyroxene- present, but too small to measure														
TEQ34	750	250	120	clinopyroxene- present, but too small to measure														
TEQ34	800	300	48	clinopyroxene 1	52.2	0.3712	3.6976		12.6	0.7348	8.2013	19.5	0.7062	0.3936	98.4	0.20	0.18	53.6
				clinopyroxene 2	51.2	0.337	3.2529		12.8	0.7333	8.5736	20.1	0.5569	0.2397	98.4	0.21	0.18	54.4
				clinopyroxene 3	52.2	0.3412	3.4976		12.7	0.7338	8.3013	19.5	0.2052	0.4036	98.6	0.21	0.18	53.8
				clinopyroxene 4	51.7	0.537	3.2623		12.7	0.7453	8.3736	20.2	0.3565	0.3397	99.2	0.21	0.18	53.9
				Average	51.9	0.40	3.43		12.7	0.74	8.36	19.8	0.46	0.34	98.6	0.21	0.18	53.9
				1 σ	0.5	0.09	0.21		0.1	0.01	0.16	0.4	0.22	0.08	0.4	0.00	0.00	0.3
TEQ34	800	250	48	clinopyroxene 1	50.9	0.45	2.88	0.04	13.0	0.78	10.08	20.3	0.70	0.26	99.4	0.25	0.18	58.1
				clinopyroxene 2	49.4	0.75	3.58	0.04	12.6	0.81	9.90	20.6	0.83	0.18	98.7	0.25	0.17	58.4
				clinopyroxene 3	50.4	0.80	4.02	-0.03	12.9	0.85	9.95	20.5	0.84	0.23	100.5	0.25	0.18	57.9
				clinopyroxene 4	51.8	0.39	3.79	0.01	12.7	0.78	9.66	19.6	0.65	0.32	99.7	0.24	0.18	57.5
				clinopyroxene 5	50.1	0.40	2.86	0.00	13.1	0.82	9.72	20.8	0.72	0.32	98.9	0.24	0.18	56.9
				clinopyroxene 6	50.6	0.95	4.91	0.01	13.5	0.88	8.41	20.0	1.16	0.40	100.8	0.21	0.19	52.6
				clinopyroxene 7	48.3	1.02	3.82	0.00	13.4	0.81	9.25	20.6	0.97	0.14	98.3	0.23	0.19	55.1
				clinopyroxene 8	51.3	0.78	5.44	0.01	12.0	0.72	8.61	18.6	1.76	0.55	99.7	0.21	0.17	56.1
				Average	50.3	0.69	3.91	0.03	12.9	0.81	9.45	20.1	0.95	0.30	99.5	0.23	0.18	56.6
				1 σ	1.1	0.25	0.90	0.00	0.5	0.05	0.63	0.7	0.36	0.13	0.9	0.02	0.01	1.9
TEQ34	800	200	48	clinopyroxene 1	49.3	0.59	2.20		14.6	0.90	10.13	21.1	0.45	0.18	98.4	0.25	0.20	55.4
				clinopyroxene 2	52.6	0.55	4.05		12.7	0.72	9.20	19.5	0.71	0.45	100.6	0.23	0.18	56.3
				clinopyroxene 3	49.5	0.61	2.03		14.1	0.74	10.07	20.9	0.55	0.17	98.7	0.25	0.20	55.9
				clinopyroxene 4	49.4	0.58	1.94		14.5	0.78	10.08	21.0	0.59	0.15	99.0	0.24	0.19	55.9
				Average	50.2	0.58	2.55		14.0	0.78	9.87	20.7	0.57	0.24	99.2	0.24	0.19	55.9
				1 σ	1.6	0.02	1.00		0.9	0.08	0.45	0.8	0.11	0.14	1.0	0.01	0.01	0.4
TEQ34	800	150	48	clinopyroxene 1	51.7	1.80	10.57		13.6	0.58	8.09	10.3	1.75	1.23	99.6	0.20	0.19	51.5
				clinopyroxene 2	49.4	1.02	12.70		14.5	0.36	8.23	11.0	1.79	0.90	99.9	0.20	0.20	50.4
				clinopyroxene 3	48.8	0.94	12.70		14.9	0.36	8.61	11.1	1.69	0.65	99.7	0.21	0.21	50.8
				Average	50.0	1.25	11.99		14.3	0.43	8.31	10.8	1.74	0.92	99.7	0.21	0.20	50.9
				1 σ	1.5	0.48	1.23		0.7	0.13	0.27	0.5	0.05	0.29	0.2	0.01	0.01	0.6
TEQ34	800	110	48	clinopyroxene- present, but too small to measure														

TEQ34	850	150	48	clinopyroxene- present, but too small to measure														
TEQ34	850	100	48	clinopyroxene 1	49.7	1.10	12.57		14.6	0.58	8.09	10.8	1.75	0.62	99.6	0.12	0.13	49.3
				clinopyroxene 2	49.4	1.02	12.70		14.5	0.36	8.23	11.0	1.79	0.90	99.9	0.13	0.13	49.9
				clinopyroxene 3	48.8	0.94	12.70		14.9	0.36	8.61	11.1	1.69	0.65	99.7	0.13	0.13	50.3
				Average	49.3	1.02	12.66		14.6	0.43	8.31	11.0	1.74	0.72	99.7	0.13	0.13	49.8
				1 σ	0.5	0.08	0.08		0.2	0.13	0.27	0.2	0.05	0.15	0.2	0.00	0.00	0.5
TEQ34	900	100	48	clinopyroxene 1	52.0	0.64	2.76	-0.01	10.8	0.68	13.53	19.7	0.51	0.22	100.9	0.34	0.15	69.0
				clinopyroxene 2	51.4	0.61	2.35	-0.01	11.4	0.79	14.03	19.3	0.43	0.12	100.4	0.35	0.16	68.7
				clinopyroxene 3	52.3	0.36	0.94	0.02	11.4	0.87	14.65	18.9	0.29	0.10	99.8	0.36	0.16	69.7
				clinopyroxene 4	52.9	0.67	2.54	0.01	10.9	0.68	13.02	19.1	0.50	0.21	100.5	0.32	0.15	68.0
				clinopyroxene 5	51.5	0.61	1.93	-0.02	11.3	0.65	13.90	19.2	0.43	0.09	99.6	0.34	0.16	68.7
				clinopyroxene 6	51.8	0.48	1.36	0.00	11.5	0.79	14.31	19.0	0.35	0.11	99.7	0.36	0.16	68.9
				clinopyroxene 7	52.5	0.36	0.85	0.00	11.6	0.88	14.79	18.6	0.28	0.08	99.9	0.37	0.16	69.5
				clinopyroxene 8	52.0	0.37	0.92	-0.04	11.8	0.84	14.75	18.6	0.26	0.11	99.7	0.37	0.16	69.0
				Average	52.0	0.51	1.71	-0.01	11.3	0.77	14.12	19.1	0.38	0.13	100.1	0.32	0.23	68.9
				1 σ	0.5	0.14	0.79	0.02	0.3	0.09	0.63	0.4	0.10	0.05	0.5	0.01	0.00	0.5
TEQ34	900	50	48	clinopyroxene 1	48.7	2.02	5.02		16.1	0.64	12.19	14.5	0.66	0.35	100.2	0.30	0.22	57.4
				clinopyroxene 2	48.6	1.03	5.34		16.5	1.38	13.44	14.9	0.28	0.78	100.3	0.33	0.23	59.2
				clinopyroxene 3	49.3	0.57	5.29		16.6	1.20	12.86	16.2	0.77	0.86	100.7	0.32	0.23	58.0
				clinopyroxene 4	49.7	1.61	6.24		16.1	0.54	12.51	15.7	0.71	0.41	98.5	0.31	0.22	58.0
				Average	49.2	1.07	5.62		16.4	1.04	12.93	15.6	0.59	0.68	99.8	0.32	0.23	58.4
				1 σ	0.5	0.52	0.54		0.3	0.45	0.47	0.7	0.27	0.24	1.1	0.01	0.00	0.7

Table C8: Plagioclase Analyses from decompression experiments

T (°C)	P _i (MPa)	P _f (MPa)	Rate (MPa/hr)		SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MnO	MgO	CaO	Na ₂ O	K ₂ O	Total	XAn	XAb	XOr
850	150	89	0.8	Plag1	59.6	0.06	25.2	0.19	0.00	0.03	7.68	6.31	0.78	99.8	38.3	57.0	4.6
850	150	89	0.8	Plag2	58.4	0.00	24.9	0.38	0.04	0.04	7.93	6.58	0.74	99.0	38.3	57.5	4.3
850	150	89	0.8	Plag3	58.0	0.10	25.1	0.40	0.25	0.05	8.80	6.64	0.88	100.2	40.2	55.0	4.8
850	150	89	0.8	Plag4	59.3	0.08	25.6	0.29	0.00	0.06	7.60	6.25	0.84	100.1	38.1	56.8	5.0
850	150	89	0.8	Plag5	58.4	0.03	25.7	0.29	0.00	0.08	7.98	6.36	0.83	99.7	39.0	56.2	4.8
850	150	89	0.8	Plag6	58.3	0.15	24.9	0.21	0.00	0.00	8.45	6.79	0.79	99.7	39.0	56.7	4.4
850	150	89	0.8	Plag7	58.9	0.03	25.8	0.21	0.00	0.00	7.45	6.76	0.66	99.8	36.4	59.8	3.8
850	150	89	0.8	Plag8	58.0	0.16	25.0	0.19	0.16	0.00	8.58	7.24	0.78	100.0	37.9	57.9	4.1
850	150	89	0.8	Plag9	58.1	0.07	25.3	0.38	0.00	0.14	8.40	7.17	0.87	100.4	37.5	57.9	4.6
850	150	89	0.8	Plag10	57.9	0.07	25.9	0.48	0.04	0.00	7.98	7.14	0.14	99.6	37.9	61.3	0.8
850	150	89	0.8	Plag11	58.0	0.12	26.2	0.80	0.00	0.06	7.56	5.31	1.52	99.6	39.8	50.6	9.5
850	150	89	0.8	Plag12	57.9	0.07	27.0	0.82	0.00	0.02	7.45	5.05	0.35	98.7	43.8	53.8	2.4
850	150	89	0.8	Plag13	56.3	0.04	26.8	0.29	0.01	0.04	9.18	5.57	0.47	98.7	46.3	50.9	2.8
850	150	89	0.8	Plag14	57.1	0.10	26.2	0.40	0.01	0.47	7.98	6.26	0.77	99.3	39.5	56.0	4.5
850	150	89	0.8	Plag15	56.4	0.15	24.9	0.46	0.06	0.32	7.94	6.13	0.85	97.1	39.6	55.4	5.0
850	150	89	0.8	Plag16	58.5	0.01	26.4	0.40	0.11	0.04	7.81	6.66	0.72	100.7	37.7	58.2	4.1
850	150	89	0.8	Plag17	55.1	0.10	27.8	0.69	0.00	0.10	9.91	5.60	1.20	100.4	46.2	47.2	6.7
850	150	89	0.8	Plag18	57.4	0.13	24.6	0.84	0.02	0.23	7.68	6.51	0.84	98.3	37.5	57.6	4.9
850	150	89	0.8	Plag19	57.4	0.08	26.1	0.48	0.00	0.03	8.24	7.02	0.58	100.0	38.1	58.7	3.2
850	150	89	0.8	Plag20	58.7	0.00	25.5	0.36	0.12	0.11	8.04	6.10	0.90	99.9	39.9	54.8	5.3
850	150	89	0.8	Plag21	57.7	0.00	26.5	0.21	0.00	0.00	8.29	6.58	0.57	99.9	39.7	57.0	3.2
850	150	89	0.8	Plag22	58.9	0.04	25.1	0.08	0.00	0.04	7.70	6.25	0.79	98.2	38.6	56.7	4.7
850	150	89	0.8	Plag23	57.8	0.06	25.0	0.50	0.05	0.08	7.92	5.55	0.80	97.8	41.9	53.1	5.1
850	150	89	0.8	Plag24	57.6	0.09	24.8	0.15	0.04	0.06	7.41	6.05	0.62	97.1	38.8	57.4	3.9
850	150	89	0.8	Plag25	58.9	0.09	26.6	0.25	0.00	0.05	7.82	6.78	0.55	101.0	37.7	59.2	3.1
850	150	89	0.8	Plag26	57.6	0.10	24.9	0.42	0.12	0.13	8.05	6.05	0.66	98.0	40.7	55.4	4.0
850	150	89	0.8	Plag27	58.3	0.13	26.6	0.50	0.00	0.08	7.38	6.15	0.14	99.3	39.5	59.6	0.9
850	150	89	0.8	Plag28	56.3	0.12	26.4	0.44	0.00	0.02	8.61	7.21	0.99	100.1	37.7	57.1	5.2
850	150	89	0.8	Plag29	56.4	0.01	26.7	0.36	0.00	0.00	8.37	7.14	0.57	99.8	38.1	58.8	3.1
850	150	89	0.8	Plag30	55.5	0.05	26.7	0.06	0.14	0.00	10.32	6.93	0.79	100.7	43.4	52.7	4.0
850	150	58	0.8	Plag1	57.5	0.06	25.0	0.21	0.15	0.04	7.98	7.33	0.74	98.9	36.1	60.0	4.0
850	150	58	0.8	Plag2	58.6	0.03	25.0	0.15	0.00	0.02	6.72	6.53	0.99	98.1	34.1	59.9	6.0
850	150	58	0.8	Plag3	58.8	0.02	24.4	0.25	0.07	0.00	8.32	7.16	0.62	99.7	37.8	58.9	3.4
850	150	58	0.8	Plag4	59.1	0.10	25.1	0.36	0.00	0.08	6.43	6.64	0.90	98.7	33.0	61.6	5.5
850	150	58	0.8	Plag5	59.3	0.09	24.6	0.42	0.21	0.08	6.80	7.25	0.86	99.6	32.5	62.7	4.9
850	150	58	0.8	Plag6	59.0	0.11	24.1	0.15	0.04	0.04	6.66	7.64	0.88	98.6	30.9	64.2	4.8
850	150	58	0.8	Plag7	58.7	0.02	24.8	0.21	0.00	0.00	7.70	7.38	0.86	99.6	34.9	60.5	4.6
850	150	58	0.8	Plag8	59.3	0.00	23.6	0.31	0.00	0.03	7.39	7.75	0.88	99.2	32.9	62.4	4.7
850	150	58	0.8	Plag9	61.4	0.06	24.7	0.25	0.17	0.00	6.18	7.61	0.73	101.1	29.7	66.2	4.2

850	150	58	0.8	Plag10	63.8	0.00	23.1	0.15	0.11	0.08	6.02	7.40	0.70	101.4	29.7	66.2	4.1
850	150	58	0.8	Plag11	58.3	0.08	24.2	0.25	0.00	0.02	7.57	8.34	0.84	99.6	32.0	63.8	4.2
850	150	58	0.8	Plag12	59.2	0.19	25.0	0.36	0.00	0.00	6.57	7.24	0.74	99.3	32.0	63.8	4.3
850	150	58	0.8	Plag13	60.1	0.05	24.2	0.33	0.11	0.05	6.70	7.84	1.33	100.8	29.8	63.2	7.0
850	150	58	0.8	Plag14	58.3	0.09	24.9	0.34	0.00	0.05	7.16	6.86	0.69	98.4	35.1	60.9	4.0
850	150	58	0.8	Plag15	57.9	0.03	25.0	0.04	0.08	0.02	8.51	8.26	0.74	100.6	34.9	61.4	3.6
850	150	58	0.8	Plag16	57.3	0.06	25.9	0.44	0.12	0.03	7.72	6.78	0.68	99.1	37.1	59.0	3.9
850	150	58	0.8	Plag17	57.2	0.04	26.1	0.38	0.30	0.06	7.88	6.59	0.61	99.1	38.4	58.1	3.5
850	150	58	0.8	Plag18	57.0	0.04	25.1	0.19	0.04	0.07	8.09	7.97	0.87	99.3	34.3	61.2	4.4
850	150	58	0.8	Plag19	57.0	0.01	27.7	0.36	0.13	0.03	7.86	7.40	0.68	101.2	35.6	60.7	3.7
850	150	58	0.8	Plag20	56.9	0.06	25.8	0.36	0.00	0.00	8.02	6.82	0.65	98.6	37.9	58.4	3.7
850	150	58	0.8	Plag21	56.7	0.04	25.1	0.36	0.02	0.00	8.73	7.52	0.60	99.0	37.9	59.0	3.1
850	150	58	0.8	Plag22	56.2	0.00	25.9	0.23	0.00	0.05	7.97	7.44	0.50	98.4	36.2	61.1	2.7
850	150	58	0.8	Plag23	58.1	0.00	24.9	0.44	0.00	0.06	8.28	7.39	0.74	99.9	36.8	59.3	3.9
850	150	58	0.8	Plag24	56.6	0.23	25.4	0.42	0.06	0.07	8.60	7.65	0.61	99.7	37.1	59.7	3.1
850	150	58	0.8	Plag25	59.7	0.04	24.1	0.50	0.00	0.01	7.12	6.61	0.78	98.8	35.6	59.8	4.7
850	150	58	0.8	Plag26	57.6	0.00	25.8	0.27	0.12	0.02	7.36	7.20	0.66	98.9	34.7	61.5	3.7
850	150	58	0.8	Plag27	62.2	0.00	24.8	0.57	0.10	0.07	6.68	6.26	0.89	101.5	35.0	59.4	5.6
850	150	58	0.8	Plag28	59.3	0.03	23.1	0.31	0.00	0.07	6.88	7.62	1.20	98.5	31.1	62.4	6.5
850	150	58	0.8	Plag29	61.3	0.02	22.7	0.48	0.05	0.00	5.48	7.55	1.29	98.9	26.5	66.1	7.4
850	150	58	0.8	Plag30	61.0	0.03	26.1	0.31	0.00	0.00	6.62	7.00	0.86	101.9	32.6	62.4	5.1
850	150	58	0.8	Plag31	58.6	0.15	22.9	0.17	0.00	0.11	6.96	9.31	0.83	99.0	28.1	68.0	4.0

Table C9: Glass Analyses from the Decompression Experiments

T (°C)	P _i (MPa)	P _f (MPa)	Rate (MPa/hr)		SiO ₂	TiO ₂	Al ₂ O ₃	FeO	MnO	MgO	CaO	Na ₂ O	K ₂ O	P ₂ O ₅	Total
850	150	89	0.8	Glass 1	68.8	0.14	13.6	1.44	0.02	0.20	0.92	4.18	6.39	0.1	95.7
850	150	89	0.8	Glass 2	71.8	0.35	13.0	1.40	0.01	0.21	0.81	2.83	6.20	0.1	96.7
850	150	89	0.8	Glass 3	71.5	0.25	13.4	1.67	0.09	0.21	0.91	2.73	6.11	0.1	96.9
850	150	89	0.8	Glass 4	71.1	0.18	13.4	1.68	0.06	0.24	0.84	2.99	6.21	0.1	96.9
850	150	89	0.8	Glass 5	71.1	0.21	13.7	1.50	0.02	0.19	0.86	3.11	6.57	0.0	97.3
850	150	89	0.8	Ave	70.9	0.23	13.4	1.54	0.04	0.21	0.87	3.17	6.29	0.1	96.7
850	150	89	0.8	Stdev	1.2	0.08	0.3	0.13	0.03	0.02	0.05	0.58	0.18	0.0	0.6
850	150	89	0.8	Recalc	73.3	0.23	13.9	1.59	0.04	0.21	0.90	3.28	6.51	0.1	100.0
850	150	58	0.8	Glass 1	70.89	0.22	12.25	1.51	0.00	0.27	1.07	3.42	6.07	0.09	95.8
850	150	58	0.8	Glass 2	70.25	0.30	12.50	1.58	0.02	0.22	1.07	3.42	6.03	0.07	95.5
850	150	58	0.8	Glass 3	72.00	0.18	13.62	1.42	0.04	0.22	0.73	3.25	6.37	0.06	97.9
850	150	58	0.8	Glass 4	72.23	0.28	13.33	1.41	0.00	0.20	0.67	3.28	6.53	0.00	97.9
850	150	58	0.8	Glass 5	72.40	0.28	13.54	1.42	0.11	0.26	0.86	3.22	6.66	0.06	98.8
850	150	58	0.8	Glass 6	72.10	0.18	12.91	1.54	0.01	0.21	1.03	2.81	6.06	0.00	96.8
850	150	58	0.8	Glass 7	72.01	0.23	13.51	1.40	0.09	0.25	1.06	3.22	6.18	0.06	98.0
850	150	58	0.8	Avg	71.70	0.24	13.10	1.47	0.04	0.23	0.93	3.23	6.27	0.05	97.2
850	150	58	0.8	Stdev	0.80	0.05	0.55	0.07	0.04	0.03	0.17	0.21	0.25	0.03	1.2
850	150	58	0.8	Recalc	73.73	0.25	13.47	1.51	0.04	0.24	0.95	3.32	6.45	0.05	100.0

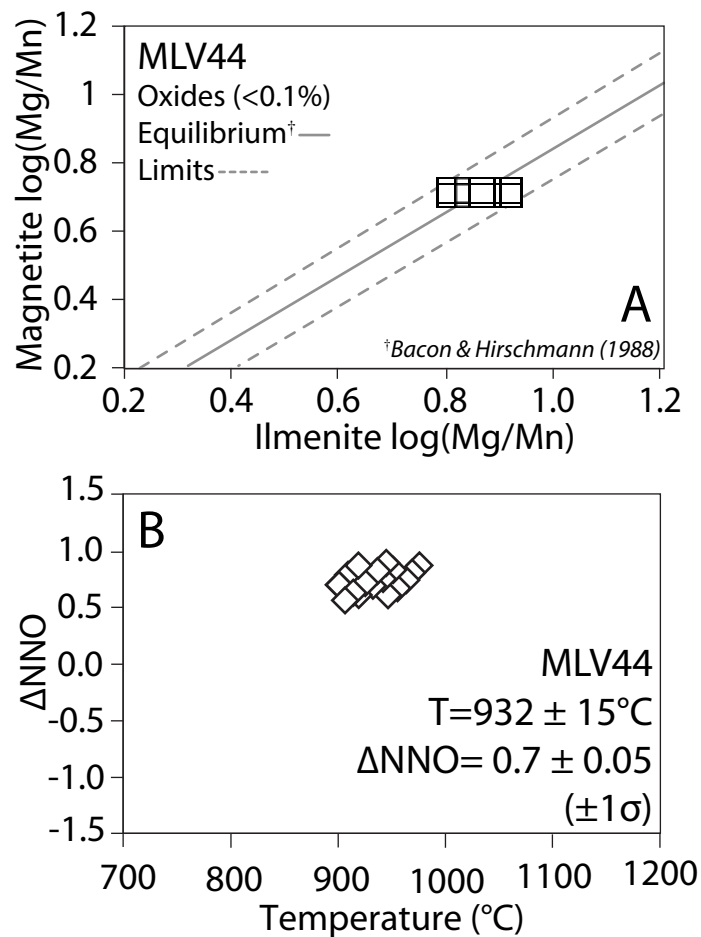


Figure C1: (a) Plots of $\log(XMg/XMn)_{\text{ilmenite}}$ v. $\log(XMg/XMn)_{\text{magnetite}}$ with the equilibrium proposed by Bacon & Hirschmann (1988). (b) Plots of the temperature and fO_2 (as a function of the nickel-nickel oxide buffer) results from the geo-thermometry and oxygen barometer of Ghiorso & Evans (2008) for all possible pairings of ilmenite and titanomagnetite. All possible pairings of ilmenite and titanomagnetite record a narrow range of temperatures and fO_2 values.

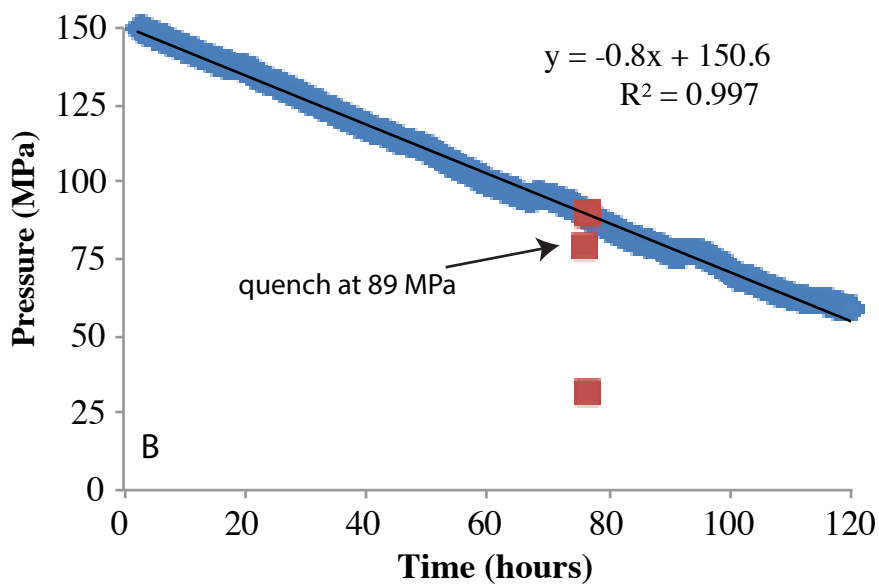
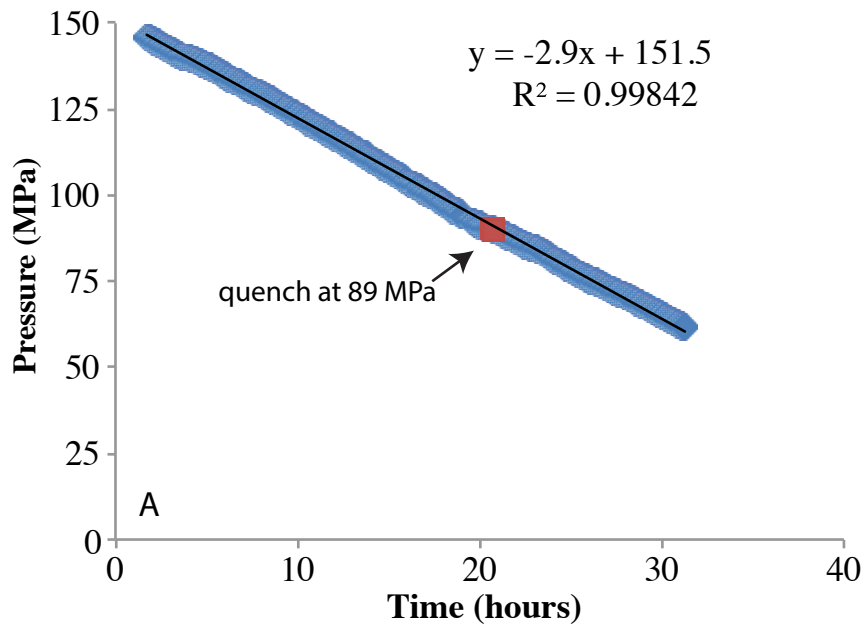


Figure C2: (a) Plot of experiment duration (hours) v. the pressure of the decompression experiment conducted at 2.9 MPa/hr. The experiment quenched at 89 MPa is shown with red squares. (b) Plot of experiment duration (hours) v. the pressure of the decompression experiment conducted at 0.8 MPa/hr. The experiment quenched at 89 MPa is shown with red squares.

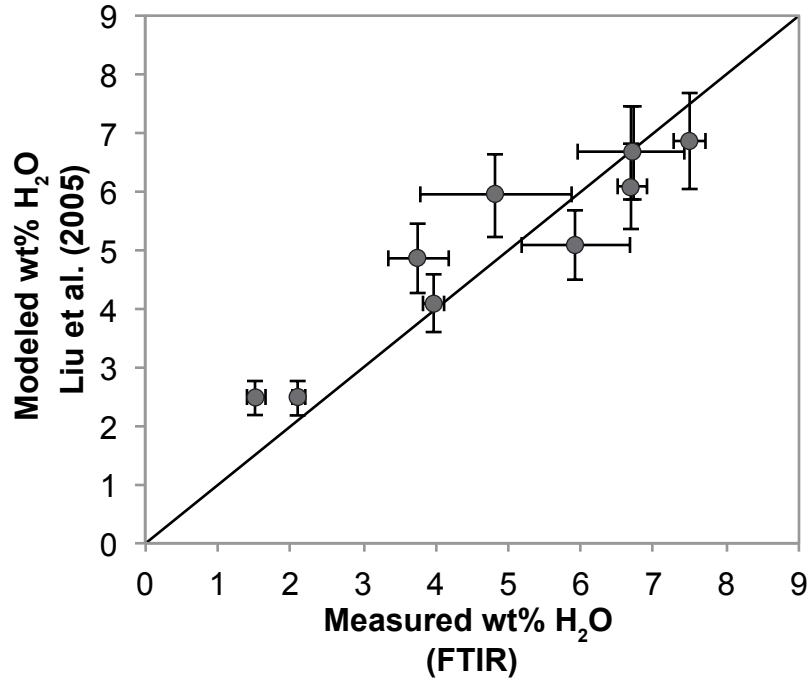


Figure C3: H₂O contents measured in selected experiments (presented in Table C3) by Fourier transform infrared (FTIR) spectroscopy versus H₂O contents modeled with the solubility model of Liu et al. (2005).

Table D1: Plagioclase-Liquid Phase Equilibrium Pairs Used for Calibration of the Rhyolite Hygrometer

Sample I.D.	XAn	XAb	T (°C)	P (bars)	SiO ₂ (wt%)	TiO ₂ (wt%)	Al ₂ O ₃ (wt%)	FeO ^T (wt%)	MgO (wt%)	CaO (wt%)	Na ₂ O (wt%)	K ₂ O (wt%)	H ₂ O (wt%)	viscosity* (log ₁₀ Pa s)	Total	Ref.
C02-9	0.50	0.51	900	980	75.06	0.17	14.17	2.07	0.31	1.99	4.73	1.31	3.69	4.35	92.04	1
C08-1	0.44	0.56	850	980	78.81	0.15	12.79	1.13	0.31	1.29	3.78	1.55	3.82	5.04	91.74	1
C05-2	0.37	0.63	825	980	77.91	0.11	13.08	1.47	0.17	1.20	4.21	1.64	3.90	5.10	91.34	1
C1010	0.50	0.50	825	1960	75.47	0.14	14.45	1.36	0.33	2.02	4.72	1.31	5.65	4.34	89.72	1
C1363	0.46	0.54	800	1960	75.75	0.14	14.33	1.17	0.30	2.07	4.70	1.34	5.71	4.55	90.10	1
CO9-4	0.39	0.61	790	1960	77.63	0.14	13.29	1.45	0.26	1.62	3.99	1.43	5.73	4.71	89.63	1
CO4-1	0.41	0.59	775	1960	78.07	0.14	13.14	1.00	0.22	1.30	4.41	1.54	5.83	4.83	89.83	1
CO9-6	0.39	0.62	775	1960	77.90	0.12	13.18	1.29	0.24	1.49	4.05	1.52	5.79	4.83	88.98	1
ACP 1	0.35	0.65	880	650	73.10	0.33	14.31	1.60	0.23	1.42	5.44	3.35	3.04	4.73		2
ACP 3	0.33	0.67	840	950	72.61	0.26	14.96	1.30	0.22	1.66	5.65	3.12	3.86	4.66		2
ACP 7	0.38	0.62	840	1100	71.80	0.26	14.66	2.02	0.29	1.45	6.33	3.04	4.23	4.34		2
ACP 9	0.35	0.65	870	1200	72.04	0.44	14.65	1.87	0.34	1.34	5.74	3.29	4.34	4.14		2
ACP 11	0.42	0.58	870	1500	70.29	0.36	15.70	2.27	0.29	1.66	6.16	2.94	4.90	3.86		2
ACP 14	0.38	0.62	891	1000	71.67	0.37	14.28	2.31	0.30	1.50	6.44	3.04	3.90	4.00		2
ACP 1	0.33	0.67	880	650	73.80	0.33	14.30	1.60	0.23	1.58	5.44	3.35	3.05	4.72		3
ACP3	0.34	0.66	880	950	72.60	0.26	14.90	1.30	0.22	1.84	5.65	3.12	3.76	4.34		3
ACP9	0.36	0.64	870	1200	71.90	0.46	15.00	1.87	0.33	1.76	5.56	3.15	4.31	4.15		3
ACP11	0.39	0.61	870	1500	70.60	0.33	15.70	2.36	0.35	1.89	5.50	2.91	4.84	3.92		3
ACP14	0.38	0.62	890	1000	71.70	0.37	14.30	2.31	0.30	1.67	6.44	3.04	3.90	3.99		3
ACP15	0.38	0.62	850	2000	70.20	0.49	15.40	2.10	0.33	2.23	6.26	2.94	5.86	3.73		3
R6ACP12	0.31	0.69	880	1300	76.10	0.72	13.50	1.00	0.80	0.80	3.84	3.58	4.45	4.36		3
HPE1750	0.54	0.46	850	1750	76.80	0.30	13.10	1.20	0.40	2.20	3.80	2.10	5.90	4.10	94.10	4
HPE1500	0.56	0.44	875	1500	76.50	0.30	13.00	1.90	0.40	2.40	3.60	2.00	5.20	4.02	94.80	4
PE1500	0.52	0.48	850	1500	77.70	0.30	12.50	1.10	0.40	1.90	3.80	2.10	5.30	4.30	94.70	4
PE1250	0.51	0.49	850	1250	78.20	0.20	12.50	1.60	0.40	1.80	3.00	2.10	5.20	4.38	94.80	4
PE1000	0.47	0.53	850	1000	79.70	0.30	11.70	1.10	0.40	1.50	2.90	2.20	4.70	4.65	95.30	4
PE750	0.42	0.59	850	750	79.70	0.30	11.30	1.10	0.40	1.10	3.50	2.60	3.90	4.92	96.10	4
PE1750B	0.54	0.46	850	1750	76.80	0.30	13.10	1.20	0.40	2.20	3.80	2.10	5.28	4.27	94.72	5
HPE1500	0.56	0.44	875	1500	76.50	0.30	13.00	1.90	0.40	2.40	3.60	2.00	4.77	4.16	95.23	5
PE1500C	0.52	0.48	850	1500	77.70	0.30	12.50	1.10	0.40	1.90	3.80	2.10	4.87	4.45	95.13	5
T1500B	0.54	0.46	850	1500	78.20	0.20	12.70	0.80	0.40	2.00	3.70	2.00	4.85	4.50	95.15	5
PE1250	0.51	0.49	850	1250	78.20	0.20	12.50	1.60	0.40	1.80	3.00	2.10	4.35	4.69	95.65	5
T1250	0.50	0.50	850	1250	79.30	0.10	11.70	0.90	0.40	1.40	3.10	2.30	4.40	4.78	95.60	5
HPE1000	0.50	0.50	875	1000	77.90	0.30	12.10	1.50	0.40	1.80	3.60	2.20	3.83	4.63	96.17	5
PE1000	0.47	0.53	850	1000	79.70	0.30	11.70	1.10	0.40	1.50	2.90	2.20	3.87	5.02	96.13	5
T1000	0.49	0.51	850	1000	79.60	0.30	11.80	1.30	0.40	1.40	2.90	2.30	3.87	4.99	96.13	5
PL500A	0.62	0.38	975	500	77.40	0.30	12.60	1.80	0.40	1.90	3.20	2.10	2.38	4.64	97.62	5
VM250	0.60	0.40	1040	250	76.60	0.30	12.90	2.40	0.40	2.20	3.20	1.80	1.52	4.66	98.48	5
LPE1000	0.37	0.63	800	1000	79.20	0.20	11.80	1.00	0.20	0.90	3.30	3.20	4.06	4.64	95.94	5
Puy 2	0.36	0.61	850	1000	73.00	0.32	14.50	2.02	0.28	1.45	5.01	3.00	3.92	4.683	99.99	6
Puy 7	0.37	0.61	800	2000	75.60	0.23	15.40	1.60	0.19	1.71	2.79	2.05	5.56	5.004	100.0	6
Puy 9	0.40	0.58	900	500	72.40	0.46	13.80	2.60	0.34	1.36	5.53	3.08	2.59	4.724	92.04	6
Puy 10	0.36	0.62	925	500	70.50	0.62	14.40	3.23	0.52	1.88	5.69	2.86	2.53	4.388	91.74	6
Puy 15	0.37	0.61	875	750	72.40	0.47	14.40	2.36	0.33	1.41	5.29	3.04	3.29	4.614	91.34	6

Table D1: Plagioclase-Liquid Phase Equilibrium Pairs Used for Calibration of the Rhyolite Hygrometer (Cont.)

Sample I.D.	XAn	XAb	T (°C)	P (bars)	SiO ₂ (wt%)	TiO ₂ (wt%)	Al ₂ O ₃ (wt%)	FeO ^T (wt%)	MgO (wt%)	CaO (wt%)	Na ₂ O (wt%)	K ₂ O (wt%)	H ₂ O (wt%)	viscosity* (log ₁₀ Pa s)	Total	Ref.
Puy 17	0.37	0.61	825	1500	72.80	0.29	14.80	1.75	0.26	1.49	5.42	2.96	4.99	4.449	89.72	6
MLV44_96h	0.27	0.66	750	2000	76.89	0.12	13.83	1.14	0.12	0.92	3.54	4.88	6.05	4.83	92.34	7
MLV44_48h	0.27	0.66	750	2000	75.91	0.14	13.50	0.80	0.08	0.88	3.83	4.82	6.09	4.82	93.56	7
MLV44_48h	0.24	0.65	800	1000	75.71	0.17	13.09	1.14	0.15	0.85	4.05	4.80	4.11	5.03	95.24	7
MLV36_48h	0.42	0.54	750	2200	76.86	0.14	14.08	0.80	0.12	1.18	3.02	3.76	6.20	4.98	92.87	7
MLV36_120	0.30	0.65	750	2000	74.41	0.18	13.89	1.32	0.21	1.25	4.09	4.60	6.08	4.72	93.48	7
MLV36_48h	0.30	0.67	750	2000	74.55	0.18	13.95	1.31	0.15	1.18	4.12	4.51	6.07	4.74	93.48	7
MLV36_48h	0.40	0.55	800	1500	73.93	0.25	14.04	1.50	0.30	1.22	4.16	4.52	5.08	4.59	96.26	7
MLV36_48h	0.29	0.62	800	1000	75.38	0.17	13.54	1.06	0.17	0.86	3.98	4.78	4.09	5.07	95.79	7
MLV36_48h	0.50	0.45	850	1000	74.12	0.25	13.70	1.54	0.21	1.19	4.35	4.60	3.96	4.56	96.07	7
MLV36_48h	0.36	0.61	850	800	74.42	0.27	13.33	1.49	0.20	0.92	2.97	6.32	3.50	4.86	95.79	7
MLV36_48h	0.34	0.54	900	500	73.78	0.25	13.82	1.68	0.24	1.25	4.26	4.59	2.59	4.94	97.83	7
TEQ34_120	0.35	0.63	750	3000	71.82	0.24	16.15	1.45	0.19	1.24	4.15	4.58	7.33	4.50	93.24	7
TEQ34_120	0.22	0.73	750	2500	71.88	0.36	15.23	1.41	0.23	0.65	5.62	4.64	6.94	4.45	93.54	7
TEQ34_120	0.17	0.71	750	2000	70.12	0.73	15.46	2.76	0.07	0.61	4.89	5.23	6.10	4.67	93.66	7
TEQ34_48h	0.30	0.68	800	2500	69.55	0.31	16.32	1.94	0.24	1.42	5.46	4.59	6.73	3.98	93.53	7
TEQ34_48h	0.27	0.68	800	2000	68.86	0.39	16.63	2.44	0.20	1.19	5.55	4.61	5.93	4.14	92.99	7
TEQ34_48h	0.21	0.67	800	1500	70.10	0.29	15.75	1.85	0.29	1.15	5.36	5.02	5.11	4.39	94.00	7
TEQ34_48h	0.19	0.66	900	500	70.63	0.40	15.12	2.00	0.24	0.89	4.98	5.54	2.60	4.73	97.39	7

*viscosity calculated with Hui and Zhang (2007); References: (1) Tomiya et al. (2010); (2) Larsen (2005); (3) Larsen (2006); (4) Martel et al. (2006); (5) Martel (2012); (6) Castro et al. (2013); (7) Waters et al. (2012)

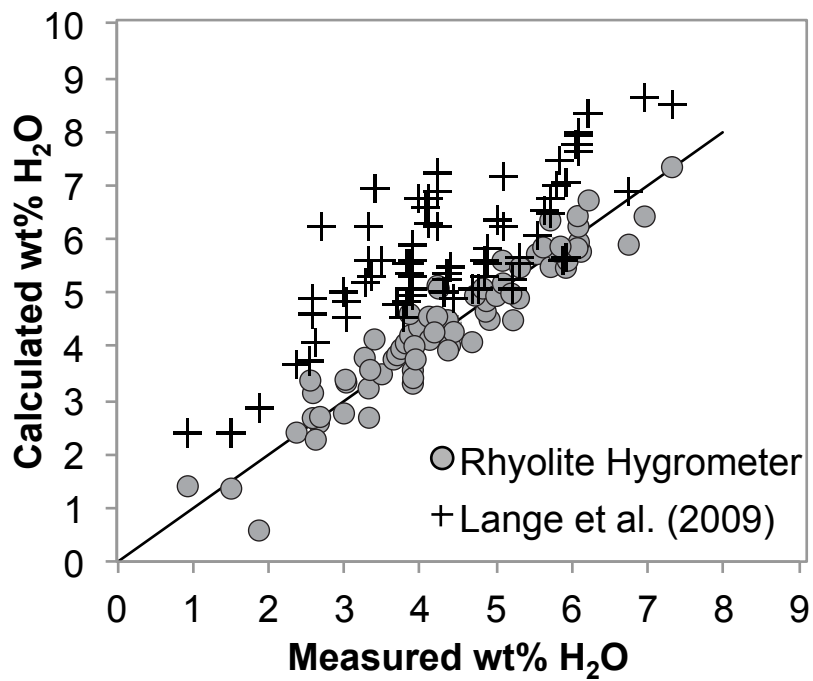


Figure D1: A plot of measured wt% H₂O versus calculated H₂O using the rhyolite hygrometer and the hygrometer of Lange et al. (2009). The hygrometer of Lange et al. (2009) overpredicts melt H₂O contents by >1 wt%.