

OT0700-1	1	2	3	4	5	6	7	8	9	10	11	12	mean	sd						
SiO ₂	60.01	60.87	62.61	61.1	61.68	62.37	62.18	62.5	61.67	60.88	61.98	61.38	61.6	0.79						
TiO ₂	0.59	0.36	0.3	0.51	0.47	0.34	0.4	0.33	0.4	0.25	0.26	0.32	0.38	0.1						
Al ₂ O ₃	18.85	18.75	18.41	18.85	18.84	18.67	18.5	18.63	18.94	18.72	18.87	18.85	18.74	0.16						
FeO	3.8	3.1	2.76	3.26	2.91	2.51	2.78	2.72	3.02	3.36	2.87	3.26	3.03	0.35						
MnO	0.24	0.13	0.14	0.08	0.13	0	0.26	0.06	0	0	0	0.13	0.1	0.09						
MgO	0.9	0.69	0.58	0.81	0.65	0.49	0.47	0.49	0.68	0.93	0.53	0.83	0.67	0.16						
CaO	2.93	2.49	1.96	2.4	2.1	2.08	2.07	1.9	2.46	2.72	2.16	2.28	2.3	0.31						
Na ₂ O	3.28	3.5	4	3.38	3.84	4.44	4.31	4.19	3.07	3.2	3.94	3.74	3.74	0.45						
K ₂ O	9.11	9.7	8.59	9.2	8.84	8.59	8.42	8.37	9.33	9.6	8.9	8.66	8.94	0.45						
P ₂ O ₅	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
ClO	0.29	0.41	0.65	0.41	0.54	0.51	0.6	0.8	0.43	0.34	0.48	0.55	0.5	0.14						
	100	100	100	100	100	100	99.99	99.99	100	100	99.99	100	100							
total alkali	12.39	13.2	12.59	12.58	12.68	13.03	12.73	12.56	12.4	12.8	12.84	12.4	12.68	0.25						
alkali ratio	2.78	2.77	2.15	2.72	2.3	1.93	1.95	2	3.04	3	2.26	2.32	2.43	0.41						
OT0700-2	1	2	3	4	5	6	7	8	9	10	11	mean	sd	1	2	3	4	mean	sd	16
SiO ₂	60.59	60.5	60.57	60.59	60.59	60.82	60.68	61.19	61.36	60.96	60.99	60.8	0.29	61.23	61.03	61.37	61.06	61.17	0.16	59.85
TiO ₂	0.34	0.36	0.41	0.35	0.28	0.51	0.4	0.2	0.4	0.36	0.43	0.37	0.08	0.5	0.37	0.29	0.58	0.44	0.13	0.45
Al ₂ O ₃	19.2	19.29	19.14	19.33	19.15	19.18	19.37	19.33	18.93	19.38	19.11	19.22	0.14	19.14	19.33	19.34	19.45	19.32	0.13	18.73
FeO	3.03	2.97	2.89	2.98	2.97	2.84	2.86	2.85	2.99	3.07	3.07	2.96	0.08	2.87	2.99	2.86	2.82	2.89	0.07	3.64
MnO	0.25	0.14	0.21	0.15	0.17	0.26	0.2	0.05	0.17	0.13	0.23	0.18	0.06	0.26	0.32	0.26	0.34	0.3	0.04	0.12
MgO	0.31	0.47	0.5	0.44	0.36	0.33	0.44	0.36	0.31	0.43	0.33	0.39	0.07	0.4	0.46	0.39	0.34	0.4	0.05	0.84
CaO	1.58	1.8	1.64	1.62	1.78	1.75	1.74	1.66	1.83	1.64	1.64	1.7	0.08	1.73	1.83	1.69	1.67	1.73	0.07	2.71
Na ₂ O	6.66	6.46	6.72	6.55	6.6	6.38	6.45	6.32	6.17	6.35	6.2	6.44	0.18	5.69	5.65	5.78	5.85	5.74	0.09	3.18
K ₂ O	7.32	7.27	7.22	7.41	7.28	7.26	7.11	7.33	7.1	7.12	7.26	7.24	0.1	7.53	7.33	7.32	7.15	7.33	0.16	10.19
P ₂ O ₅	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ClO	0.72	0.75	0.7	0.57	0.8	0.7	0.75	0.71	0.73	0.56	0.75	0.7	0.07	0.65	0.7	0.7	0.72	0.69	0.03	0.3
	100	100.01	100	99.99	99.98	100.03	100	100	99.99	100	100.01	100		100	100.01	100	99.98	100		100.01
total alkali	13.98	13.73	13.94	13.96	13.88	13.64	13.56	13.65	13.27	13.47	13.46	13.69	0.24	13.22	12.98	13.1	13	13.08	0.11	13.37
alkali ratio	1.1	1.13	1.07	1.13	1.1	1.14	1.1	1.16	1.15	1.12	1.17	1.13	0.03	1.32	1.3	1.27	1.22	1.28	0.04	3.2