Table S1 - SEM-EDS analyses of relict green spinel.

An. N°	8	10	15	16	25	6	4	5	12	9	11	18
MgO	9.62	9.67	10.40	10.45	10.54	10.49	10.57	10.71	10.99	11.18	11.31	11.73
Al_2O_3	60.93	61.48	59.45	60.72	62.03	60.44	61.43	62.33	60.66	61.46	61.02	62.48
Cr_2O_3	1.32	1.21	3.11	1.17		1.14		1.71	1.60		1.64	0.82
FeO	28.13	27.65	27.04	27.66	27.43	27.93	28.00	25.24	26.75	27.36	26.02	24.97
Mg^{2+}	0.390	0.390	0.421	0.422	0.423	0.425	0.426	0.428	0.443	0.449	0.454	0.467
Fe^{2+}	0.612	0.611	0.578	0.579	0.577	0.576	0.574	0.565	0.558	0.551	0.547	0.533
Sum	1.002	1.001	0.999	1.001	1.000	1.001	1.000	0.993	1.001	1.000	1.001	1.000
Al^{3+}	1.953	1.964	1.909	1.943	1.973	1.937	1.961	1.969	1.935	1.956	1.939	1.967
Cr^{3+}	0.029	0.026	0.067	0.025	0.000	0.025	0.000	0.036	0.034	0.000	0.035	0.018
Fe^{3+}	0.018	0.010	0.025	0.032	0.027	0.039	0.039	0.000	0.031	0.044	0.026	0.015
Sum	2.000	2.000	2.001	2.000	2.000	2.001	2.000	2.005	2.000	2.000	2.000	2.000

An. N°	34	35	31	38	41	39	2	32	3	33	40
MgO	15.06	15.27	15.33	15.53	15.71	15.83	16.00	15.94	16.01	16.22	16.27
Al_2O_3	63.45	64.77	64.44	63.68	63.91	64.25	65.21	64.27	63.68	65.05	63.52
Cr_2O_3				1.00	0.93	0.68			1.00		1.25
FeO	21.49	19.96	20.23	19.79	19.45	19.25	18.79	19.80	19.31	18.73	18.96
Mg^{2+}	0.588	0.591	0.594	0.603	0.608	0.612	0.615	0.617	0.620	0.624	0.630
Fe^{2+}	0.412	0.409	0.406	0.397	0.391	0.389	0.384	0.383	0.379	0.376	0.371
Sum	1.000	1.000	1.000	1.000	0.999	1.001	0.999	1.000	0.999	1.000	1.001
Al^{3+}	1.961	1.984	1.978	1.958	1.960	1.967	1.986	1.969	1.953	1.981	1.947
Cr^{3+}	0.000	0.000	0.000	0.020	0.019	0.014	0.000	0.000	0.020	0.000	0.026
Fe^{3+}	0.039	0.016	0.022	0.022	0.021	0.019	0.014	0.031	0.027	0.019	0.027
Sum	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000