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NEW DATA ON METAMORPHIC CHLORITE AS A PETROGENETIC INDICATOR MINERAL, WITH SPECIAL REGARD TO GREENSCHIST-FACIES ROCKS

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ABSTRACT

For rock-forming minerals, the extent and the behavior of solid solution are understandable only if considered in the context of a rigorous petrological framework, as has been shown repeatedly in the metamorphic petrology literature. Herein, we present a study of the composition of trioctahedral chlorites, with special focus on non-limiting mineral assemblages in rocks of low metamorphic grade. The goal has been to discern and understand any systematic changes of chlorite composition due to changing T, P, and bulk-rock composition. The three main compositional variations shown by the metamorphic chlorite in this study include the ratio Fe/Mg, the extent of Tschermak substitution, and deviation from trioctahedral toward dioctahedral chlorite. Our database includes 2619 chlorite compositions, of which 450 are selected from literature covering the temperature range subgreenschist – amphibolite facies, and 2169 are newly determined compositions from greenschist-facies rocks. All samples used are classified according to metamorphic grade, pressure, and bulk-rock composition, thereby establishing groups and subgroups of analytical data. These data are plotted on diagrams aimed at enabling one to discern more specifically how bulk-rock composition, temperature and pressure affect the three main compositional variations of chlorite from typical metamorphic rocks. Each of these parameters controls chlorite composition to some extent, but the control by the bulk-rock chemistry is clearly dominant. Commonly, it largely obscures the systematic compositional changes caused by temperature and pressure. Thus, despite numerous attempts, it is evident that chlorite composition by itself is non-viable for geothermobarometric purposes in the case of the non-limiting assemblages typical of the greenschist facies. Attempts to use chlorite from such assemblages for geothermobarometry should be restricted solely to approaches involving cation exchange with some coexisting phase(s).

Keywords: chlorite, electron-microprobe data, low-grade metamorphism, compositional variation, geothermobarometry.

SOMMAIRE

On peut parvenir à comprendre l'étendue et le comportement des séries de solution solide parmi les minéraux des roches seulement dans un contexte rigoureusement défini du point de vue pétrologique, comme celà a maintes fois été prouvé dans la littérature sur la pétrologie métamorphique. Nous présentons ici les résultats d'une étude sur la composition des chlorites trioctaédriques, portant en particulier sur les assemblages non limitatifs équilibrés à faible degré de métamorphisme. Le but de notre étude était de discerner et de comprendre les changements systématiques de la composition de la chlorite dus aux variables T, P, et la composition globale des roches. Les trois variables compositionnelles de la chlorite métamorphique sont le rapport Fe/Mg, l'étendue de la substitution dite de Tschermak, et l'écart de la stoechiométrie trioctaédrique vers les pôles dioctaédriques. Notre banque de données compte 2619 compositions de chlorite, dont 450 sont tirées de la littérature sur l'intervalle de température représentatif du faciès inférieur aux schistes verts jusqu'au faciès amphibolite, et 2169 ont été déterminées récemment dans le contexte de notre travail sur les roches du faciès schistes-verts. Tous les assemblages ont été classés selon intensité du métamorphisme, pression et composition globale des roches, ce qui a mené à des groupes et des sous-groupes de données analytiques. Ces données ont été reportées sur des diagrammes conçus pour faire ressortir clairement l'influence de la composition globale des roches, la température et la pression sur les trois variables compositionnelles de la chlorite typique des roches métamorphiques. Chacun de ces paramètres exerce un contrôle jusqu'à un certain point, mais l'influence de la composition globale d'une roche est prédominante. Des plusieurs cas, c'est ce paramètre qui domine, et obscurcit, par ce fait même, l'influence systématique de la température et de la pression. Malgré plusieurs tentatives, il semble

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Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample C-A5. Comelico (Eastern Alps, Italy).													
Analysis	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65
SiO2	24.80	24.89	25.22	24.77	24.71	24.69	24.39	24.82	24.42	24.99	24.92	24.53	24.65
TiO2	0.08	0.09	0.06	0.08	0.05	0.07	0.08	0.07	0.09	0.06	0.08	0.06	0.06
Al2O3	21.27	20.86	20.95	21.44	21.21	21.79	21.26	21.37	21.50	21.12	21.07	21.39	21.46
Cr2O3	0.02	0.03	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01
FeO	28.94	29.10	29.12	29.31	28.53	28.67	28.95	28.66	28.42	27.98	27.74	28.27	28.27
MnO	0.31	0.32	0.30	0.35	0.34	0.33	0.31	0.33	0.30	0.37	0.27	0.34	0.34
MgO	12.22	12.23	12.21	12.29	12.02	12.16	12.12	12.07	12.10	12.28	12.37	11.87	12.26
CaO	0.01	0.00	0.02	0.00	0.02	0.00	0.01	0.02	0.00	0.01	0.00	0.00	0.00
Na2O	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.02	0.00	0.00	0.02
K2O	0.01	0.04	0.01	0.02	0.02	0.02	0.00	0.02	0.03	0.02	0.04	0.01	0.00
Total	87.65	87.55	87.91	88.25	86.93	87.72	87.12	87.36	86.89	86.86	86.49	86.49	87.07
Si+4	5.340	5.374	5.414	5.307	5.359	5.301	5.292	5.353	5.297	5.403	5.405	5.340	5.328
AlIV	2.660	2.626	2.586	2.693	2.641	2.699	2.708	2.647	2.703	2.597	2.595	2.660	2.672
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.738	2.683	2.715	2.720	2.780	2.815	2.730	2.788	2.794	2.787	2.790	2.829	2.794
Cr+3	0.003	0.004	0.004	0.000	0.003	0.000	0.001	0.000	0.000	0.001	0.000	0.003	0.001
Fe+2	5.211	5.253	5.228	5.251	5.174	5.148	5.252	5.170	5.155	5.061	5.031	5.147	5.110
Mn+2	0.056	0.058	0.055	0.063	0.062	0.060	0.057	0.061	0.056	0.068	0.049	0.063	0.062
Mg+2	3.923	3.936	3.907	3.926	3.886	3.893	3.920	3.881	3.912	3.957	4.001	3.852	3.951
Ti+4	0.012	0.015	0.009	0.012	0.009	0.011	0.013	0.011	0.014	0.010	0.013	0.009	0.009
totVI	11.944	11.948	11.919	11.972	11.913	11.927	11.972	11.911	11.931	11.885	11.884	11.903	11.926
K+1	0.004	0.012	0.004	0.006	0.006	0.005	0.000	0.006	0.008	0.006	0.010	0.003	0.000
Na+1	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.010	0.007	0.000	0.000	0.007
Ca+2	0.001	0.000	0.004	0.000	0.005	0.001	0.003	0.005	0.000	0.003	0.001	0.000	0.000
Cations	19.949	19.960	19.926	19.978	19.924	19.935	19.978	19.921	19.949	19.901	19.895	19.906	19.933
Altot	5.397	5.308	5.302	5.413	5.421	5.514	5.438	5.434	5.497	5.384	5.385	5.489	5.466
Fe/Fe+Mg	0.571	0.572	0.572	0.572	0.571	0.569	0.573	0.571	0.569	0.561	0.557	0.572	0.564
ALVI+2Ti+	2.765	2.717	2.737	2.744	2.801	2.837	2.757	2.810	2.822	2.808	2.816	2.850	2.813
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Sample C2. Comelico (Eastern Alps, Italy).													
Analysis	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31
SiO2	23.86	24.02	24.16	24.24	24.07	24.06	24.24	24.28	24.26	24.60	24.68	24.34	23.95
TiO2	0.05	0.08	0.05	0.06	0.06	0.07	0.03	0.09	0.07	0.06	0.26	0.22	0.20
Al2O3	21.25	21.14	21.09	21.15	21.03	20.74	21.07	21.33	21.26	21.26	21.31	21.25	20.92
Cr2O3	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.06	0.00	0.00	0.01	0.03	0.02
FeO	28.47	28.97	29.36	28.90	28.66	29.17	28.68	28.74	29.02	29.10	28.21	28.41	28.35
MnO	0.35	0.37	0.33	0.37	0.30	0.38	0.35	0.32	0.39	0.35	0.29	0.24	0.27
MgO	11.55	11.77	11.48	11.59	11.88	11.72	11.76	11.71	11.61	11.50	12.13	12.01	11.30
CaO	0.01	0.01	0.03	0.02	0.00	0.00	0.00	0.01	0.02	0.03	0.00	0.03	0.04
Na2O	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.00
K2O	0.00	0.00	0.04	0.00	0.00	0.01	0.05	0.06	0.05	0.06	0.03	0.00	0.00
Total	85.55	86.38	86.54	86.33	86.01	86.16	86.17	86.59	86.69	86.98	86.93	86.53	85.04
Si+4	5.274	5.268	5.298	5.313	5.291	5.301	5.319	5.299	5.300	5.350	5.342	5.304	5.322
AlIV	2.726	2.732	2.702	2.687	2.709	2.699	2.681	2.701	2.700	2.650	2.658	2.696	2.678
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.808	2.733	2.749	2.777	2.740	2.687	2.767	2.786	2.773	2.801	2.777	2.760	2.800
Cr+3	0.002	0.002	0.001	0.001	0.002	0.000	0.000	0.010	0.000	0.000	0.002	0.005	0.004
Fe+2	5.262	5.315	5.385	5.297	5.269	5.375	5.263	5.246	5.302	5.292	5.105	5.177	5.267
Mn+2	0.065	0.068	0.062	0.069	0.056	0.071	0.064	0.059	0.072	0.064	0.053	0.045	0.050
Mg+2	3.803	3.849	3.753	3.787	3.893	3.849	3.847	3.811	3.780	3.728	3.913	3.902	3.742
Ti+4	0.008	0.013	0.007	0.009	0.010	0.012	0.005	0.015	0.011	0.009	0.042	0.035	0.033
totVI	11.948	11.980	11.957	11.940	11.971	11.993	11.945	11.927	11.939	11.894	11.892	11.924	11.895
K+1	0.000	0.000	0.011	0.000	0.000	0.002	0.013	0.016	0.015	0.017	0.009	0.000	0.000
Na+1	0.000	0.006	0.000	0.000	0.003	0.000	0.000	0.000	0.002	0.009	0.003	0.000	0.000
Ca+2	0.003	0.002	0.006	0.005	0.000	0.000	0.001	0.003	0.005	0.007	0.000	0.007	0.010
Cations	19.950	19.989	19.974	19.945	19.975	19.996	19.959	19.946	19.961	19.928	19.903	19.930	19.904
Altot	5.534	5.465	5.451	5.464	5.448	5.386	5.448	5.487	5.473	5.451	5.435	5.457	5.478
Fe/Fe+Mg	0.580	0.580	0.589	0.583	0.575	0.583	0.578	0.579	0.584	0.587	0.566	0.570	0.585
AlVI+2Ti+(	2.826	2.761	2.764	2.796	2.762	2.711	2.777	2.826	2.795	2.819	2.863	2.835	2.870
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Ms	Ms	Ms	Ms	Ilm	Ilm	Ilm
							Qtz	Qtz	Qtz	Qtz			
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample C3. Comelico (Eastern Alps, Italy).													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Analysis	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13
SiO2	24.47	24.53	24.03	24.85	24.52	24.61	24.49	24.85	24.16	25.01	24.50	24.60	24.67
TiO2	0.05	0.07	0.08	0.06	0.02	0.07	0.05	0.05	0.06	0.06	0.10	0.07	0.05
Al2O3	21.00	21.44	20.69	21.51	21.41	21.68	21.37	21.85	21.27	21.67	21.16	21.58	21.62
Cr2O3	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.03	0.00	0.00	0.02	0.04
FeO	27.89	28.56	28.30	28.38	28.81	29.24	28.58	29.27	28.58	28.89	28.51	28.86	28.71
MnO	0.32	0.24	0.28	0.29	0.33	0.32	0.29	0.34	0.30	0.34	0.26	0.31	0.26
MgO	11.59	11.87	11.52	11.76	11.78	11.98	12.36	12.00	11.71	12.30	12.34	11.78	11.97
CaO	0.02	0.05	0.00	0.01	0.00	0.01	0.05	0.00	0.04	0.01	0.01	0.00	0.05
Na2O	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00
K2O	0.05	0.00	0.02	0.00	0.01	0.00	0.02	0.05	0.01	0.04	0.03	0.05	0.04
Total	85.40	86.75	84.91	86.86	86.88	87.92	87.26	88.44	86.16	88.34	86.91	87.26	87.40
Si+4	5.393	5.330	5.346	5.379	5.328	5.290	5.294	5.306	5.296	5.335	5.316	5.321	5.320
AlIV	2.607	2.670	2.654	2.621	2.672	2.710	2.706	2.694	2.704	2.665	2.684	2.679	2.680
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.845	2.818	2.771	2.868	2.811	2.782	2.739	2.804	2.793	2.784	2.728	2.820	2.816
Cr+3	0.000	0.000	0.000	0.000	0.000	0.002	0.004	0.007	0.004	0.001	0.000	0.003	0.006
Fe+2	5.139	5.188	5.266	5.138	5.236	5.256	5.166	5.228	5.241	5.154	5.173	5.220	5.179
Mn+2	0.060	0.044	0.053	0.054	0.060	0.058	0.052	0.061	0.056	0.062	0.047	0.057	0.047
Mg+2	3.808	3.842	3.822	3.796	3.817	3.838	3.984	3.821	3.827	3.913	3.991	3.798	3.848
Ti+4	0.009	0.011	0.013	0.009	0.002	0.012	0.008	0.008	0.010	0.010	0.016	0.011	0.008
totVI	11.861	11.903	11.926	11.865	11.927	11.948	11.954	11.928	11.932	11.923	11.955	11.909	11.904
K+1	0.015	0.000	0.006	0.000	0.002	0.000	0.005	0.013	0.003	0.012	0.009	0.015	0.010
Na+1	0.000	0.005	0.000	0.000	0.000	0.000	0.011	0.000	0.002	0.000	0.000	0.000	0.000
Ca+2	0.004	0.010	0.000	0.002	0.000	0.003	0.011	0.000	0.008	0.001	0.002	0.001	0.012
Cations	19.880	19.918	19.931	19.867	19.929	19.951	19.982	19.941	19.945	19.936	19.966	19.924	19.926
Altot	5.453	5.488	5.425	5.489	5.484	5.492	5.445	5.498	5.496	5.448	5.412	5.500	5.496
ALVI+2Ti+	2.863	2.840	2.797	2.886	2.815	2.808	2.759	2.827	2.817	2.805	2.760	2.845	2.838
Fe/Fe+Mg	0.574	0.575	0.579	0.575	0.578	0.578	0.565	0.578	0.578	0.568	0.564	0.579	0.574
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample C-A11. Comelico (Eastern Alps, Italy).													
Analysis	C81	C82	C83	C84	C85	C86	C99	C100	C101	C102	C103	C104	C105
SiO2	25.28	24.81	24.69	24.82	24.57	24.56	24.75	24.61	24.51	24.83	23.92	24.11	24.53

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

TiO2	0.07	0.03	0.07	0.06	0.08	0.05	0.07	0.05	0.07	0.08	0.06	0.08	0.07
Al2O3	21.47	21.07	21.51	21.72	21.80	21.80	21.79	21.36	21.64	21.62	20.96	21.23	21.74
Cr2O3	0.02	0.00	0.00	0.01	0.03	0.00	0.03	0.02	0.00	0.00	0.03	0.00	0.00
FeO	29.29	28.87	29.06	29.36	29.07	29.45	29.83	29.29	29.27	29.28	28.90	28.85	29.03
MnO	0.39	0.34	0.33	0.36	0.32	0.29	0.40	0.35	0.38	0.35	0.33	0.33	0.34
MgO	12.36	12.05	12.10	11.92	11.78	11.77	12.00	12.00	11.85	11.89	11.68	11.51	11.94
CaO	0.06	0.02	0.04	0.05	0.08	0.06	0.02	0.06	0.00	0.03	0.04	0.05	0.00
Na2O	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.04	0.00	0.03	0.00	0.00
K2O	0.02	0.00	0.04	0.00	0.02	0.03	0.03	0.05	0.00	0.02	0.03	0.02	0.02
Total	88.96	87.20	87.82	88.29	87.76	88.01	88.90	87.77	87.75	88.10	85.97	86.18	87.67
Si+4	5.363	5.372	5.311	5.313	5.289	5.279	5.275	5.307	5.284	5.325	5.276	5.294	5.284
AlIV	2.637	2.628	2.689	2.687	2.711	2.721	2.725	2.693	2.716	2.675	2.724	2.706	2.716
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.732	2.748	2.762	2.792	2.820	2.803	2.749	2.736	2.783	2.789	2.723	2.789	2.804
Cr+3	0.003	0.000	0.000	0.002	0.005	0.001	0.005	0.003	0.000	0.000	0.005	0.000	0.000
Fe+2	5.198	5.227	5.226	5.256	5.232	5.295	5.317	5.282	5.277	5.252	5.330	5.299	5.231
Mn+2	0.071	0.063	0.059	0.064	0.058	0.054	0.071	0.064	0.069	0.064	0.062	0.062	0.061
Mg+2	3.910	3.890	3.880	3.804	3.779	3.772	3.815	3.858	3.808	3.801	3.841	3.769	3.834
Ti+4	0.011	0.004	0.011	0.009	0.013	0.008	0.011	0.007	0.011	0.013	0.010	0.013	0.011
totVI	11.924	11.932	11.939	11.927	11.907	11.933	11.967	11.950	11.947	11.920	11.971	11.932	11.941
K+1	0.005	0.000	0.011	0.000	0.007	0.008	0.007	0.013	0.000	0.007	0.007	0.006	0.005
Na+1	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.017	0.000	0.011	0.000	0.000
Ca+2	0.013	0.004	0.008	0.010	0.017	0.014	0.004	0.013	0.000	0.007	0.008	0.011	0.001
Cations	19.943	19.936	19.958	19.937	19.935	19.954	19.979	19.976	19.964	19.933	19.997	19.949	19.947
Altot	5.369	5.376	5.451	5.479	5.531	5.523	5.473	5.429	5.499	5.464	5.448	5.495	5.520
Fe/Fe+Mg	0.571	0.573	0.574	0.580	0.581	0.584	0.582	0.578	0.581	0.580	0.581	0.584	0.577
ALVI+2Ti+	2.757	2.756	2.784	2.812	2.851	2.820	2.776	2.753	2.805	2.815	2.748	2.815	2.826
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 14. Recoaro (Eastern Alps, Italy).													
Analysis	r1	r2	r3	r4	r5	r6	r7	r8	r9	r10	r11	r12	r13
SiO2	23.40	23.99	23.40	23.79	23.54	23.93	23.61	23.41	24.02	23.67	23.80	23.89	24.15
TiO2	0.07	0.07	0.05	0.06	0.06	0.11	0.06	0.11	0.03	0.07	0.08	0.06	0.04

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Al2O3	22.22	22.51	22.24	22.34	22.46	22.70	22.31	22.05	22.63	22.18	22.40	21.39	21.35
Cr2O3	0.01	0.03	0.00	0.01	0.01	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00
FeO	31.33	31.03	30.92	31.35	31.31	31.17	31.21	31.24	30.85	30.66	31.16	30.48	30.36
MnO	0.28	0.15	0.24	0.17	0.20	0.17	0.21	0.23	0.20	0.21	0.21	0.13	0.16
MgO	9.92	10.17	9.94	9.56	9.54	9.97	9.89	10.25	9.75	10.01	9.98	10.33	10.21
CaO	0.00	0.00	0.03	0.01	0.00	0.06	0.04	0.01	0.00	0.00	0.01	0.03	0.00
Na2O	0.02	0.00	0.00	0.00	0.03	0.00	0.04	0.01	0.00	0.00	0.01	0.02	0.00
K2O	0.02	0.00	0.01	0.01	0.02	0.02	0.02	0.00	0.00	0.03	0.02	0.02	0.01
Total	87.28	87.95	86.82	87.30	87.15	88.14	87.41	87.32	87.51	86.83	87.69	86.35	86.28
Si+4	5.141	5.201	5.155	5.212	5.169	5.181	5.170	5.137	5.229	5.202	5.187	5.277	5.331
AlIV	2.859	2.799	2.845	2.788	2.831	2.819	2.830	2.863	2.771	2.798	2.813	2.723	2.669
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.893	2.952	2.929	2.980	2.983	2.973	2.926	2.840	3.035	2.946	2.941	2.846	2.884
Cr+3	0.002	0.005	0.000	0.002	0.001	0.002	0.004	0.003	0.002	0.000	0.000	0.000	0.000
Fe+2	5.755	5.626	5.696	5.744	5.751	5.644	5.714	5.733	5.617	5.635	5.679	5.631	5.604
Mn+2	0.052	0.028	0.045	0.031	0.037	0.032	0.039	0.042	0.037	0.040	0.040	0.025	0.029
Mg+2	3.249	3.285	3.264	3.122	3.125	3.219	3.228	3.352	3.164	3.279	3.242	3.402	3.361
Ti+4	0.012	0.012	0.009	0.010	0.009	0.017	0.009	0.019	0.005	0.011	0.013	0.010	0.007
totVI	11.962	11.908	11.942	11.888	11.906	11.888	11.920	11.989	11.861	11.911	11.915	11.913	11.885
K+1	0.006	0.000	0.003	0.004	0.005	0.005	0.005	0.000	0.000	0.007	0.006	0.007	0.002
Na+1	0.009	0.000	0.000	0.000	0.013	0.000	0.016	0.002	0.002	0.000	0.006	0.010	0.000
Ca+2	0.001	0.001	0.006	0.003	0.000	0.014	0.010	0.001	0.000	0.000	0.002	0.007	0.000
Cations	19.978	19.909	19.951	19.895	19.923	19.907	19.952	19.993	19.863	19.918	19.929	19.937	19.887
Altot	5.753	5.751	5.774	5.768	5.814	5.792	5.756	5.703	5.806	5.745	5.754	5.569	5.553
AlVI+2Ti+(	2.919	2.981	2.947	3.002	3.002	3.009	2.948	2.881	3.047	2.968	2.967	2.866	2.898
Fe/Fe+Mg	0.639	0.631	0.636	0.648	0.648	0.637	0.639	0.631	0.640	0.632	0.637	0.623	0.625
Micro-site	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Pl	Pl	Pl
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 16. Recoaro (Eastern Alps, Italy).													
Analysis	r114	r115	r116	r117	r118	r119	r120	r121	r122	r123	r124	r125	r126
SiO2	24.27	23.33	23.77	23.77	24.21	23.85	23.38	23.25	23.59	23.22	23.52	23.48	23.67
TiO2	0.10	0.08	0.06	0.09	0.04	0.09	0.38	0.32	0.28	0.48	0.51	0.58	0.45
Al2O3	23.24	22.29	22.23	22.02	22.40	21.81	22.03	22.18	22.52	21.71	22.04	22.05	22.34
Cr2O3	0.02	0.00	0.00	0.00	0.00	0.03	0.05	0.05	0.03	0.05	0.06	0.06	0.02

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

FeO	31.68	31.61	31.46	31.92	32.06	31.67	31.27	32.26	30.93	32.23	31.99	31.92	30.84
MnO	0.26	0.26	0.23	0.32	0.22	0.23	0.27	0.19	0.25	0.24	0.18	0.23	0.17
MgO	10.16	10.23	9.95	10.09	10.21	10.08	9.87	10.08	10.03	9.85	9.98	9.90	10.19
CaO	0.01	0.02	0.00	0.01	0.00	0.00	0.02	0.03	0.04	0.00	0.03	0.02	0.00
Na2O	0.06	0.00	0.03	0.02	0.00	0.00	0.05	0.02	0.00	0.00	0.01	0.03	0.00
K2O	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
Total	89.81	87.82	87.75	88.24	89.13	87.75	87.31	88.39	87.69	87.78	88.33	88.26	87.70
Si+4	5.159	5.099	5.187	5.173	5.203	5.213	5.134	5.067	5.138	5.102	5.117	5.113	5.150
AlIV	2.841	2.901	2.813	2.827	2.797	2.787	2.866	2.933	2.862	2.898	2.883	2.887	2.850
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.980	2.841	2.904	2.822	2.876	2.829	2.837	2.765	2.921	2.723	2.770	2.772	2.881
Cr+3	0.004	0.000	0.000	0.000	0.000	0.005	0.008	0.009	0.005	0.009	0.011	0.011	0.003
Fe+2	5.632	5.778	5.741	5.811	5.763	5.788	5.744	5.879	5.635	5.922	5.822	5.813	5.612
Mn+2	0.047	0.049	0.043	0.059	0.040	0.042	0.049	0.036	0.046	0.044	0.034	0.042	0.031
Mg+2	3.220	3.333	3.238	3.275	3.270	3.285	3.233	3.276	3.257	3.225	3.239	3.215	3.305
Ti+4	0.015	0.012	0.010	0.014	0.006	0.014	0.062	0.052	0.046	0.080	0.084	0.095	0.074
totVI	11.899	12.014	11.937	11.980	11.955	11.963	11.933	12.016	11.910	12.003	11.959	11.947	11.906
K+1	0.000	0.000	0.002	0.004	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.004
Na+1	0.023	0.001	0.013	0.007	0.000	0.000	0.021	0.009	0.000	0.000	0.002	0.011	0.000
Ca+2	0.003	0.004	0.000	0.003	0.000	0.000	0.005	0.007	0.010	0.001	0.007	0.005	0.001
Cations	19.925	20.018	19.951	19.993	19.955	19.963	19.959	20.032	19.924	20.003	19.968	19.963	19.911
Altot	5.821	5.742	5.717	5.649	5.674	5.617	5.702	5.697	5.782	5.622	5.653	5.659	5.730
AlVI+2Ti+(	3.015	2.866	2.925	2.850	2.888	2.862	2.969	2.878	3.017	2.891	2.949	2.973	3.032
Fe/Fe+Mg	0.636	0.634	0.639	0.640	0.638	0.638	0.640	0.642	0.634	0.647	0.643	0.644	0.629
Micro-site	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 27. Recoaro (Eastern Alps, Italy).													
Analysis	r88	r89	r90	r91	r92	r93	r94	r96	r97	r98	r99	r100	r101
SiO2	24.50	24.74	24.19	24.12	23.88	23.88	23.81	23.93	23.53	23.65	23.67	23.73	24.54
TiO2	0.06	0.12	0.07	0.05	0.08	0.05	0.02	0.06	0.08	0.08	0.05	0.03	0.06
Al2O3	21.79	21.56	21.29	21.59	22.02	22.35	22.15	22.40	22.04	22.53	22.60	22.17	21.13
Cr2O3	0.00	0.02	0.00	0.04	0.03	0.00	0.04	0.07	0.07	0.00	0.06	0.09	0.03
FeO	31.10	30.19	31.43	30.17	31.06	30.74	30.64	31.06	30.71	31.10	30.77	30.16	30.18
MnO	0.30	0.26	0.25	0.27	0.27	0.31	0.32	0.24	0.26	0.23	0.21	0.34	0.26

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

MgO	10.68	10.66	10.40	10.58	10.28	9.92	10.46	10.02	10.37	10.37	10.27	10.69	11.18
CaO	0.03	0.00	0.02	0.02	0.03	0.02	0.03	0.00	0.04	0.02	0.03	0.02	0.00
Na2O	0.00	0.04	0.00	0.00	0.00	0.06	0.00	0.02	0.00	0.01	0.02	0.00	0.00
K2O	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.00
Total	88.45	87.60	87.65	86.85	87.65	87.32	87.49	87.82	87.10	87.99	87.67	87.23	87.38
Si+4	5.284	5.361	5.286	5.284	5.207	5.216	5.193	5.203	5.163	5.135	5.150	5.180	5.340
AlIV	2.716	2.639	2.714	2.716	2.793	2.784	2.807	2.797	2.837	2.865	2.850	2.820	2.660
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.823	2.868	2.768	2.860	2.866	2.970	2.886	2.943	2.862	2.901	2.945	2.884	2.758
Cr+3	0.000	0.004	0.000	0.007	0.005	0.000	0.007	0.012	0.012	0.001	0.010	0.015	0.005
Fe+2	5.610	5.472	5.743	5.528	5.665	5.616	5.587	5.648	5.633	5.648	5.597	5.506	5.491
Mn+2	0.055	0.048	0.047	0.051	0.050	0.056	0.059	0.044	0.049	0.043	0.039	0.062	0.048
Mg+2	3.433	3.443	3.387	3.457	3.341	3.230	3.402	3.249	3.391	3.358	3.330	3.477	3.627
Ti+4	0.009	0.019	0.012	0.009	0.013	0.008	0.004	0.010	0.013	0.013	0.008	0.005	0.010
totVI	11.931	11.854	11.957	11.911	11.940	11.881	11.945	11.904	11.960	11.963	11.928	11.950	11.939
K+1	0.000	0.006	0.000	0.000	0.000	0.001	0.003	0.003	0.000	0.000	0.001	0.002	0.000
Na+1	0.000	0.015	0.000	0.000	0.000	0.025	0.000	0.010	0.000	0.003	0.009	0.000	0.000
Ca+2	0.006	0.000	0.004	0.005	0.008	0.005	0.008	0.001	0.009	0.004	0.006	0.005	0.000
Cations	19.937	19.875	19.961	19.916	19.948	19.911	19.955	19.918	19.969	19.971	19.945	19.956	19.939
Altot	5.539	5.507	5.482	5.576	5.658	5.754	5.693	5.740	5.699	5.766	5.795	5.704	5.418
AlVI+2Ti+(	2.841	2.910	2.791	2.884	2.897	2.987	2.900	2.974	2.900	2.927	2.970	2.909	2.783
Fe/Fe+Mg	0.620	0.614	0.629	0.615	0.629	0.635	0.622	0.635	0.624	0.627	0.627	0.613	0.602
Micro-site	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl	Chl	Chl	Chl	Chl	Chl	Chl sinc.
	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Pl	Pl	Pl	Pl	Pl	Pl	Ms
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 30. Recoaro (Eastern Alps, Italy).													
Analysis	r37	r38	r39	r40	r41	r42	r43	r44	r45	r46	r47	r48	r49
SiO2	23.46	23.94	23.31	24.23	23.67	23.65	23.71	23.84	23.94	23.90	23.58	23.53	23.72
TiO2	0.06	0.04	0.05	0.06	0.06	0.05	0.04	0.06	0.08	0.05	0.09	0.07	0.08
Al2O3	22.03	22.52	21.56	22.20	22.19	22.20	22.46	22.34	22.20	21.71	21.03	21.62	21.51
Cr2O3	0.00	0.01	0.00	0.04	0.03	0.00	0.01	0.03	0.00	0.00	0.01	0.04	0.04
FeO	30.54	30.04	30.31	30.49	30.64	30.88	31.14	30.74	30.80	30.54	30.78	31.62	31.44
MnO	0.30	0.28	0.28	0.37	0.28	0.34	0.35	0.31	0.30	0.31	0.32	0.21	0.27
MgO	10.36	10.43	10.35	10.47	10.53	10.36	10.49	10.75	10.37	10.61	10.43	10.41	10.42
CaO	0.03	0.03	0.04	0.01	0.01	0.00	0.00	0.02	0.01	0.04	0.02	0.01	0.00

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Na2O	0.03	0.01	0.03	0.02	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04
K2O	0.00	0.03	0.00	0.01	0.00	0.00	0.01	0.01	0.03	0.01	0.03	0.03	0.02
Total	86.82	87.35	85.92	87.90	87.41	87.48	88.21	88.10	87.72	87.17	86.31	87.53	87.54
Si+4	5.162	5.205	5.185	5.247	5.167	5.166	5.139	5.161	5.208	5.231	5.236	5.164	5.199
AlIV	2.838	2.795	2.815	2.753	2.833	2.834	2.861	2.839	2.792	2.769	2.764	2.836	2.801
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.874	2.978	2.836	2.913	2.875	2.881	2.877	2.862	2.898	2.831	2.740	2.755	2.755
Cr+3	0.001	0.002	0.000	0.007	0.005	0.000	0.002	0.005	0.001	0.001	0.002	0.006	0.006
Fe+2	5.619	5.464	5.638	5.522	5.593	5.641	5.645	5.566	5.602	5.590	5.716	5.802	5.764
Mn+2	0.056	0.052	0.054	0.068	0.051	0.063	0.065	0.057	0.054	0.058	0.061	0.039	0.050
Mg+2	3.399	3.383	3.432	3.380	3.426	3.374	3.389	3.469	3.363	3.462	3.452	3.405	3.406
Ti+4	0.010	0.007	0.008	0.010	0.010	0.008	0.006	0.009	0.012	0.008	0.015	0.011	0.014
totVI	11.959	11.886	11.967	11.900	11.960	11.968	11.984	11.969	11.929	11.950	11.986	12.019	11.995
K+1	0.000	0.008	0.000	0.003	0.000	0.000	0.001	0.003	0.008	0.004	0.007	0.007	0.006
Na+1	0.011	0.005	0.011	0.007	0.010	0.000	0.000	0.005	0.000	0.000	0.000	0.001	0.015
Ca+2	0.008	0.007	0.010	0.002	0.002	0.000	0.000	0.004	0.001	0.009	0.006	0.003	0.001
Cations	19.977	19.907	19.987	19.912	19.972	19.968	19.986	19.981	19.939	19.962	19.999	20.030	20.016
Altot	5.711	5.772	5.651	5.666	5.709	5.715	5.737	5.701	5.690	5.601	5.503	5.591	5.556
AlVI+2Ti+(	2.895	2.994	2.852	2.940	2.900	2.897	2.891	2.885	2.923	2.848	2.772	2.783	2.789
Fe/Fe+Mg	0.623	0.618	0.622	0.620	0.620	0.626	0.625	0.616	0.625	0.618	0.623	0.630	0.629
Micro-site	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl sinc.	Chl sinc.	Chl sinc.
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 29a. Pusteria (Eastern Alps, Italy).													
Analysis	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13
SiO2	24.60	24.43	24.32	24.68	24.34	24.69	24.81	24.49	25.09	24.64	24.49	24.67	24.60
TiO2	0.08	0.09	0.06	0.11	0.08	0.07	0.08	0.06	0.04	0.07	0.06	0.07	0.06
Al2O3	21.59	21.61	21.70	21.73	21.51	21.74	21.59	21.79	21.48	21.86	21.60	21.84	21.85
Cr2O3	0.01	0.02	0.05	0.06	0.06	0.02	0.00	0.00	0.00	0.05	0.01	0.03	0.04
FeO	26.74	26.75	26.65	26.74	26.94	27.25	26.73	26.71	26.66	26.85	27.49	26.16	26.55
MnO	0.22	0.28	0.23	0.19	0.25	0.23	0.22	0.24	0.20	0.18	0.18	0.23	0.19
MgO	13.55	13.65	13.56	13.59	13.68	13.51	13.76	13.52	13.80	13.82	13.27	13.54	13.41
CaO	0.04	0.01	0.01	0.03	0.05	0.00	0.04	0.01	0.02	0.00	0.00	0.01	0.00
Na2O	0.00	0.01	0.00	0.01	0.03	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.01
K2O	0.03	0.00	0.04	0.00	0.00	0.02	0.01	0.02	0.01	0.02	0.04	0.03	0.05

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Total	86.86	86.84	86.62	87.13	86.93	87.56	87.24	86.84	87.30	87.49	87.13	86.59	86.75
Si+4	5.287	5.255	5.242	5.282	5.239	5.272	5.302	5.263	5.351	5.255	5.266	5.298	5.283
AlIV	2.713	2.745	2.758	2.718	2.761	2.728	2.698	2.737	2.649	2.745	2.734	2.702	2.717
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.754	2.732	2.757	2.763	2.694	2.745	2.741	2.781	2.751	2.748	2.742	2.825	2.816
Cr+3	0.002	0.003	0.009	0.011	0.010	0.003	0.000	0.000	0.000	0.009	0.001	0.004	0.006
Fe+2	4.805	4.811	4.805	4.786	4.849	4.867	4.778	4.799	4.755	4.788	4.943	4.697	4.769
Mn+2	0.041	0.051	0.042	0.034	0.045	0.041	0.040	0.043	0.036	0.032	0.034	0.042	0.034
Mg+2	4.340	4.375	4.357	4.336	4.388	4.302	4.383	4.330	4.388	4.393	4.253	4.335	4.294
Ti+4	0.013	0.015	0.010	0.017	0.013	0.012	0.013	0.010	0.006	0.011	0.009	0.012	0.010
totVI	11.954	11.986	11.979	11.947	11.999	11.971	11.955	11.963	11.935	11.980	11.981	11.915	11.929
K+1	0.007	0.000	0.011	0.000	0.001	0.005	0.004	0.006	0.003	0.007	0.010	0.009	0.014
Na+1	0.000	0.006	0.000	0.004	0.011	0.009	0.000	0.000	0.003	0.001	0.000	0.006	0.004
Ca+2	0.009	0.001	0.002	0.006	0.011	0.000	0.009	0.002	0.005	0.000	0.000	0.002	0.000
Cations	19.970	19.993	19.991	19.957	20.021	19.985	19.967	19.971	19.946	19.987	19.991	19.932	19.946
Altot	5.467	5.477	5.514	5.481	5.455	5.473	5.439	5.518	5.399	5.493	5.475	5.527	5.532
AlVI+2Ti+(	2.782	2.765	2.785	2.808	2.730	2.772	2.767	2.801	2.762	2.778	2.761	2.853	2.842
Fe/Fe+Mg	0.525	0.524	0.524	0.525	0.525	0.531	0.522	0.526	0.520	0.522	0.538	0.520	0.526
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 29b. Pusteria (Eastern Alps, Italy).													
Analysis	P178	P179	P180	P181	P182	P183	P184	P186	P187	P188	P189	P190	P191
SiO2	24.51	24.72	24.62	24.74	25.18	24.74	25.00	24.45	24.75	25.01	24.63	24.68	24.60
TiO2	0.25	0.34	0.31	0.20	0.17	0.22	0.15	0.15	0.08	0.07	0.12	0.10	0.16
Al2O3	21.80	21.77	21.89	21.48	21.24	21.57	21.70	21.72	21.82	21.43	21.49	21.88	21.71
Cr2O3	0.00	0.02	0.06	0.02	0.00	0.00	0.01	0.04	0.02	0.01	0.01	0.02	0.06
FeO	27.48	27.59	27.40	27.39	27.11	27.05	27.07	26.96	27.28	26.66	27.31	27.26	27.13
MnO	0.27	0.27	0.30	0.29	0.25	0.26	0.26	0.27	0.29	0.24	0.23	0.25	0.23
MgO	12.97	13.09	13.16	13.14	13.32	13.16	13.25	13.25	13.13	13.49	12.87	13.27	13.24
CaO	0.00	0.01	0.03	0.00	0.00	0.00	0.02	0.02	0.03	0.03	0.02	0.00	0.05
Na2O	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
K2O	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01
Total	87.29	87.81	87.75	87.25	87.27	87.00	87.49	86.87	87.40	86.93	86.69	87.46	87.18

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Si+4	5.259	5.272	5.252	5.308	5.386	5.313	5.333	5.262	5.294	5.360	5.318	5.275	5.275
AlIV	2.741	2.728	2.748	2.692	2.614	2.687	2.667	2.738	2.706	2.640	2.682	2.725	2.725
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.773	2.745	2.754	2.738	2.741	2.771	2.789	2.770	2.796	2.772	2.786	2.787	2.762
Cr+3	0.000	0.003	0.009	0.002	0.000	0.000	0.002	0.007	0.003	0.001	0.002	0.003	0.009
Fe+2	4.931	4.921	4.887	4.914	4.850	4.857	4.829	4.851	4.880	4.777	4.930	4.872	4.866
Mn+2	0.050	0.048	0.053	0.054	0.045	0.048	0.047	0.050	0.053	0.044	0.043	0.045	0.041
Mg+2	4.149	4.161	4.183	4.203	4.247	4.214	4.215	4.250	4.188	4.310	4.142	4.226	4.232
Ti+4	0.041	0.054	0.050	0.032	0.027	0.035	0.025	0.024	0.012	0.011	0.019	0.017	0.025
totVI	11.942	11.930	11.937	11.943	11.910	11.924	11.907	11.952	11.934	11.916	11.922	11.950	11.937
K+1	0.001	0.002	0.000	0.000	0.000	0.000	0.006	0.001	0.000	0.000	0.000	0.001	0.004
Na+1	0.001	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ca+2	0.000	0.003	0.006	0.000	0.000	0.000	0.004	0.004	0.007	0.006	0.005	0.000	0.012
Cations	19.944	19.940	19.943	19.944	19.910	19.924	19.916	19.957	19.941	19.922	19.927	19.951	19.953
Altot	5.514	5.472	5.502	5.431	5.355	5.458	5.456	5.509	5.502	5.412	5.468	5.512	5.487
AlVI+2Ti+(	2.855	2.856	2.863	2.804	2.795	2.841	2.841	2.825	2.823	2.795	2.826	2.824	2.821
Fe/Fe+Mg	0.543	0.542	0.539	0.539	0.533	0.535	0.534	0.533	0.538	0.526	0.543	0.535	0.535
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 52b. Pusteria (Eastern Alps, Italy).													
Analysis	P95	P96	P97	P98	P99	P100	P101	P102	P103	P105	P106	P107	P108
SiO2	24.27	24.36	24.09	24.44	24.34	24.19	24.53	24.29	24.00	24.22	24.22	24.47	24.23
TiO2	0.06	0.05	0.09	0.05	0.06	0.09	0.09	0.09	0.09	0.07	0.06	0.06	0.06
Al2O3	21.12	21.24	21.73	21.77	21.68	21.60	21.53	21.70	21.10	21.25	21.83	21.85	21.65
Cr2O3	0.01	0.01	0.00	0.00	0.04	0.00	0.03	0.00	0.01	0.00	0.04	0.00	0.04
FeO	29.36	29.23	29.34	29.17	29.62	29.54	29.89	29.41	29.03	29.74	29.80	29.49	29.24
MnO	0.20	0.16	0.18	0.19	0.24	0.18	0.15	0.19	0.15	0.18	0.18	0.19	0.20
MgO	11.54	11.66	11.27	11.33	11.09	11.25	11.28	11.18	11.14	11.17	11.13	11.13	11.19
CaO	0.02	0.00	0.02	0.03	0.03	0.02	0.01	0.02	0.00	0.02	0.00	0.00	0.00
Na2O	0.00	0.00	0.01	0.03	0.01	0.01	0.00	0.04	0.02	0.00	0.00	0.05	0.01
K2O	0.02	0.04	0.02	0.03	0.00	0.02	0.02	0.03	0.01	0.02	0.05	0.05	0.04
Total	86.59	86.74	86.73	87.04	87.09	86.89	87.53	86.94	85.55	86.68	87.30	87.29	86.64
Si+4	5.311	5.315	5.259	5.306	5.296	5.277	5.315	5.290	5.312	5.305	5.262	5.306	5.292

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

AlIV	2.689	2.685	2.741	2.694	2.704	2.723	2.685	2.710	2.688	2.695	2.738	2.694	2.708
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.759	2.776	2.852	2.876	2.856	2.830	2.812	2.859	2.817	2.790	2.853	2.887	2.864
Cr+3	0.002	0.002	0.000	0.000	0.006	0.000	0.004	0.000	0.002	0.000	0.007	0.000	0.007
Fe+2	5.373	5.333	5.357	5.297	5.390	5.389	5.415	5.357	5.375	5.449	5.414	5.347	5.340
Mn+2	0.038	0.030	0.033	0.035	0.045	0.032	0.027	0.035	0.027	0.034	0.033	0.035	0.036
Mg+2	3.767	3.791	3.667	3.668	3.597	3.658	3.643	3.629	3.678	3.649	3.606	3.596	3.644
Ti+4	0.009	0.008	0.014	0.008	0.010	0.014	0.015	0.015	0.014	0.012	0.010	0.010	0.010
totVI	11.947	11.939	11.923	11.885	11.904	11.923	11.916	11.895	11.913	11.933	11.923	11.875	11.902
K+1	0.005	0.010	0.005	0.008	0.000	0.006	0.004	0.009	0.004	0.006	0.013	0.013	0.010
Na+1	0.000	0.000	0.002	0.011	0.003	0.002	0.000	0.015	0.010	0.000	0.000	0.023	0.003
Ca+2	0.005	0.001	0.004	0.007	0.006	0.005	0.002	0.004	0.000	0.006	0.000	0.000	0.000
Cations	19.957	19.950	19.934	19.911	19.913	19.937	19.922	19.923	19.927	19.944	19.936	19.911	19.915
Altot	5.447	5.461	5.593	5.570	5.560	5.553	5.497	5.569	5.505	5.485	5.591	5.582	5.572
AlVI+2Ti+(	2.779	2.794	2.880	2.892	2.882	2.858	2.846	2.889	2.847	2.814	2.880	2.907	2.891
Fe/Fe+Mg	0.588	0.585	0.594	0.591	0.600	0.596	0.598	0.596	0.594	0.599	0.600	0.598	0.594
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 92a. Pusteria (Eastern Alps, Italy).													
Analysis	P57	P58	P59	P60	P62	P63	P64	P65	P66	P67	P68	P69	P70
SiO2	24.39	24.38	24.26	24.70	24.36	24.40	24.60	24.48	24.50	24.28	24.64	24.51	24.54
TiO2	0.09	0.05	0.06	0.08	0.05	0.06	0.06	0.11	0.06	0.09	0.06	0.08	0.10
Al2O3	21.44	21.63	21.46	21.39	21.56	21.41	21.34	21.06	21.43	21.42	21.34	21.53	21.24
Cr2O3	0.00	0.09	0.02	0.02	0.00	0.02	0.00	0.02	0.05	0.00	0.00	0.01	0.03
FeO	29.72	29.47	29.10	29.40	29.50	29.33	29.10	29.36	29.22	29.67	29.55	29.73	29.45
MnO	0.27	0.29	0.22	0.29	0.21	0.28	0.26	0.29	0.21	0.27	0.31	0.29	0.23
MgO	11.99	11.89	12.09	11.95	11.95	12.20	12.02	12.12	11.92	11.94	11.80	11.81	12.09
CaO	0.00	0.01	0.01	0.00	0.04	0.01	0.01	0.03	0.03	0.00	0.02	0.00	0.00
Na2O	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.03
K2O	0.02	0.02	0.02	0.00	0.02	0.04	0.01	0.03	0.04	0.00	0.01	0.01	0.00
Total	87.92	87.82	87.26	87.85	87.70	87.73	87.41	87.50	87.46	87.66	87.72	87.99	87.71
Si+4	5.261	5.258	5.260	5.319	5.262	5.265	5.319	5.301	5.298	5.255	5.320	5.281	5.299
AlIV	2.739	2.742	2.740	2.681	2.738	2.735	2.681	2.699	2.702	2.745	2.680	2.719	2.701

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.713	2.757	2.743	2.749	2.749	2.711	2.755	2.676	2.760	2.717	2.750	2.748	2.704
Cr+3	0.000	0.014	0.004	0.003	0.000	0.003	0.001	0.003	0.008	0.000	0.000	0.002	0.005
Fe+2	5.363	5.317	5.275	5.294	5.329	5.294	5.260	5.318	5.284	5.369	5.335	5.357	5.317
Mn+2	0.049	0.052	0.040	0.053	0.038	0.050	0.047	0.054	0.039	0.049	0.056	0.053	0.042
Mg+2	3.856	3.822	3.908	3.835	3.849	3.925	3.874	3.912	3.843	3.851	3.799	3.794	3.890
Ti+4	0.014	0.008	0.009	0.013	0.008	0.010	0.010	0.017	0.010	0.014	0.010	0.014	0.016
totVI	11.995	11.970	11.980	11.947	11.973	11.993	11.948	11.980	11.945	12.000	11.951	11.968	11.974
K+1	0.006	0.004	0.005	0.000	0.006	0.010	0.002	0.009	0.010	0.000	0.001	0.003	0.000
Na+1	0.000	0.005	0.006	0.008	0.005	0.000	0.001	0.003	0.000	0.000	0.000	0.002	0.012
Ca+2	0.000	0.003	0.002	0.001	0.008	0.002	0.003	0.007	0.006	0.000	0.004	0.000	0.000
Cations	20.002	19.982	19.993	19.956	19.992	20.005	19.954	19.999	19.962	20.000	19.956	19.974	19.986
Altot	5.452	5.498	5.484	5.430	5.487	5.445	5.437	5.375	5.462	5.462	5.431	5.467	5.405
AlVI+2Ti+(	2.741	2.787	2.765	2.778	2.765	2.734	2.776	2.713	2.788	2.745	2.770	2.778	2.741
Fe/Fe+Mg	0.582	0.582	0.574	0.580	0.581	0.574	0.576	0.576	0.579	0.582	0.584	0.585	0.577
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Lu82-10. Luson (Eastern Alps, Italy).													
Analysis	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
SiO2	23.67	23.89	23.34	23.79	23.96	23.64	23.69	23.65	23.68	23.62	23.52	23.08	23.92
TiO2	0.06	0.05	0.11	0.10	0.10	0.09	0.08	0.07	0.09	0.07	0.05	0.11	0.08
Al2O3	22.81	22.60	22.21	22.64	22.66	22.43	22.54	22.46	22.45	22.24	22.13	21.68	22.36
Cr2O3	0.02	0.07	0.04	0.00	0.02	0.05	0.04	0.00	0.02	0.00	0.01	0.02	0.02
FeO	30.67	30.48	29.47	30.13	30.62	30.91	29.51	30.26	30.26	30.38	29.81	29.93	30.01
MnO	0.07	0.07	0.05	0.06	0.04	0.08	0.02	0.04	0.07	0.05	0.03	0.09	0.01
MgO	10.62	10.58	10.50	10.66	10.67	10.46	10.65	10.58	10.48	10.61	10.41	10.00	10.76
CaO	0.01	0.02	0.02	0.02	0.00	0.01	0.00	0.00	0.03	0.00	0.00	0.03	0.03
Na2O	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.04	0.03	0.01	0.00	0.02	0.00
K2O	0.02	0.01	0.04	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.01	0.00
Total	87.95	87.80	85.79	87.42	88.09	87.69	86.56	87.09	87.11	87.00	85.99	84.97	87.21
Si+4	5.124	5.175	5.164	5.166	5.172	5.145	5.183	5.163	5.169	5.169	5.196	5.180	5.204
AlIV	2.876	2.825	2.836	2.834	2.828	2.855	2.817	2.837	2.831	2.831	2.804	2.820	2.796
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.943	2.945	2.954	2.961	2.938	2.897	2.996	2.941	2.945	2.905	2.957	2.916	2.938

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Cr+3	0.003	0.011	0.007	0.000	0.003	0.008	0.007	0.000	0.003	0.001	0.002	0.003	0.004
Fe+2	5.553	5.521	5.452	5.472	5.526	5.625	5.399	5.525	5.525	5.559	5.508	5.619	5.460
Mn+2	0.012	0.012	0.009	0.011	0.006	0.015	0.004	0.008	0.013	0.009	0.006	0.017	0.001
Mg+2	3.427	3.415	3.464	3.452	3.434	3.395	3.473	3.442	3.412	3.462	3.429	3.346	3.490
Ti+4	0.010	0.008	0.019	0.016	0.016	0.015	0.012	0.012	0.014	0.012	0.008	0.018	0.014
totVI	11.949	11.913	11.906	11.912	11.923	11.954	11.891	11.928	11.913	11.947	11.911	11.918	11.906
K+1	0.007	0.004	0.010	0.009	0.007	0.006	0.007	0.001	0.002	0.003	0.006	0.004	0.001
Na+1	0.000	0.012	0.009	0.000	0.000	0.000	0.000	0.015	0.012	0.004	0.000	0.010	0.000
Ca+2	0.002	0.005	0.004	0.004	0.001	0.002	0.000	0.000	0.008	0.001	0.000	0.008	0.008
Cations	19.958	19.934	19.928	19.924	19.931	19.963	19.898	19.945	19.934	19.955	19.917	19.940	19.914
Altot	5.819	5.770	5.790	5.794	5.766	5.752	5.812	5.778	5.776	5.736	5.761	5.736	5.733
AlVI+2Ti+C	2.966	2.972	2.999	2.993	2.973	2.935	3.027	2.965	2.976	2.930	2.975	2.955	2.970
Fe/Fe+Mg	0.618	0.618	0.611	0.613	0.617	0.624	0.609	0.616	0.618	0.616	0.616	0.627	0.610
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Lu82-9. Luson (Eastern Alps, Italy).													
Analysis	L64	L65	L67	L68	L69	L70	L71	L72	L73	L73a	L74	L75	L76
SiO2	23.58	23.84	23.72	23.65	23.76	23.85	23.80	23.94	23.62	23.48	24.14	23.84	23.24
TiO2	0.08	0.07	0.06	0.07	0.05	0.06	0.08	0.07	0.13	0.05	0.09	0.05	0.08
Al2O3	22.54	22.84	23.03	22.93	22.04	22.42	22.64	22.28	22.23	22.27	22.39	22.79	22.36
Cr2O3	0.00	0.04	0.02	0.00	0.03	0.01	0.00	0.02	0.03	0.07	0.02	0.01	0.02
FeO	30.22	30.21	30.13	29.62	29.80	29.58	30.11	29.80	29.86	29.60	29.74	29.92	29.45
MnO	0.01	0.07	0.04	0.05	0.07	0.02	0.04	0.07	0.02	0.06	0.01	0.04	0.03
MgO	10.98	10.73	10.76	10.54	11.18	11.10	10.52	11.24	10.62	10.74	10.68	10.94	10.58
CaO	0.00	0.02	0.00	0.01	0.01	0.02	0.00	0.00	0.02	0.03	0.05	0.00	0.00
Na2O	0.02	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
K2O	0.05	0.02	0.02	0.05	0.07	0.05	0.02	0.01	0.04	0.02	0.04	0.03	0.00
Total	87.48	87.85	87.78	86.93	87.02	87.10	87.22	87.42	86.56	86.32	87.18	87.63	85.75
Si+4	5.126	5.152	5.127	5.153	5.185	5.185	5.180	5.191	5.182	5.162	5.243	5.157	5.141
AlIV	2.874	2.848	2.873	2.847	2.815	2.815	2.820	2.809	2.818	2.838	2.757	2.843	2.859
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.900	2.969	2.993	3.041	2.853	2.930	2.987	2.884	2.929	2.933	2.974	2.967	2.970
Cr+3	0.000	0.007	0.003	0.000	0.005	0.002	0.000	0.003	0.005	0.012	0.004	0.002	0.003

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Fe+2	5.493	5.459	5.446	5.397	5.439	5.379	5.480	5.404	5.478	5.443	5.402	5.412	5.448
Mn+2	0.002	0.013	0.008	0.009	0.014	0.004	0.008	0.013	0.004	0.010	0.001	0.008	0.006
Mg+2	3.558	3.458	3.466	3.424	3.637	3.597	3.413	3.633	3.473	3.521	3.458	3.527	3.488
Ti+4	0.013	0.012	0.010	0.011	0.008	0.010	0.013	0.012	0.021	0.008	0.014	0.009	0.013
totVI	11.965	11.918	11.925	11.882	11.955	11.921	11.901	11.948	11.910	11.927	11.854	11.924	11.929
K+1	0.013	0.005	0.006	0.013	0.020	0.012	0.005	0.004	0.010	0.006	0.011	0.009	0.001
Na+1	0.006	0.000	0.000	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
Ca+2	0.000	0.004	0.000	0.001	0.002	0.004	0.000	0.000	0.005	0.008	0.012	0.000	0.000
Cations	19.985	19.926	19.932	19.901	19.985	19.938	19.906	19.952	19.925	19.942	19.885	19.933	19.930
Altot	5.774	5.816	5.866	5.888	5.668	5.745	5.807	5.693	5.747	5.771	5.731	5.810	5.830
AlVI+2Ti+(	2.926	3.000	3.016	3.063	2.874	2.952	3.013	2.911	2.976	2.961	3.006	2.987	2.999
Fe/Fe+Mg	0.607	0.612	0.611	0.612	0.599	0.599	0.616	0.598	0.612	0.607	0.610	0.605	0.610
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 28R. Sarentino (Eastern Alps, Italy).													
Analysis	S175	S176	S177	S178	S179	S180	S181	S182	S183	S184	S139	S140	S141
SiO2	23.68	23.86	23.68	23.40	23.93	23.52	23.58	24.34	23.78	23.24	23.64	23.70	23.92
TiO2	0.08	0.08	0.04	0.07	0.06	0.03	0.05	0.10	0.09	0.08	0.07	0.11	0.06
Al2O3	22.26	22.44	22.55	21.92	22.38	22.75	22.54	22.86	21.83	21.91	22.95	22.37	22.10
Cr2O3	0.02	0.00	0.04	0.06	0.00	0.05	0.07	0.04	0.00	0.00	0.02	0.00	0.05
FeO	34.51	34.66	34.79	33.95	33.95	34.38	34.51	34.46	35.29	33.85	32.14	31.64	31.30
MnO	0.44	0.45	0.42	0.34	0.34	0.33	0.25	0.37	0.35	0.36	0.14	0.12	0.15
MgO	7.23	6.99	7.11	7.20	6.92	7.66	7.65	6.83	7.22	7.61	9.67	10.09	10.22
CaO	0.01	0.00	0.02	0.05	0.02	0.03	0.00	0.04	0.00	0.01	0.00	0.00	0.00
Na2O	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.04	0.02	0.02	0.00	0.00	0.07
K2O	0.03	0.00	0.00	0.03	0.02	0.00	0.00	0.02	0.03	0.03	0.01	0.01	0.01
Total	88.26	88.48	88.68	87.07	87.65	88.80	88.72	89.15	88.61	87.10	88.67	88.03	87.92
Si+4	5.226	5.248	5.204	5.233	5.293	5.151	5.173	5.296	5.247	5.191	5.115	5.156	5.206
AlIV	2.774	2.752	2.796	2.767	2.707	2.849	2.827	2.704	2.753	2.809	2.885	2.844	2.794
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	3.015	3.066	3.046	3.010	3.128	3.024	3.000	3.156	2.923	2.960	2.968	2.890	2.874
Cr+3	0.004	0.000	0.006	0.011	0.000	0.008	0.013	0.007	0.000	0.000	0.003	0.000	0.009
Fe+2	6.368	6.375	6.395	6.349	6.281	6.296	6.331	6.269	6.512	6.324	5.815	5.756	5.697

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Mn+2	0.082	0.083	0.078	0.064	0.064	0.061	0.046	0.069	0.066	0.069	0.026	0.023	0.027
Mg+2	2.377	2.292	2.329	2.400	2.283	2.501	2.500	2.214	2.375	2.534	3.118	3.273	3.314
Ti+4	0.013	0.014	0.007	0.011	0.009	0.005	0.009	0.017	0.015	0.014	0.012	0.017	0.010
totVI	11.858	11.830	11.860	11.847	11.766	11.896	11.898	11.731	11.891	11.901	11.943	11.959	11.931
K+1	0.008	0.000	0.000	0.007	0.006	0.001	0.000	0.007	0.007	0.008	0.004	0.002	0.001
Na+1	0.000	0.000	0.002	0.000	0.013	0.000	0.001	0.019	0.010	0.008	0.000	0.000	0.028
Ca+2	0.002	0.000	0.005	0.011	0.004	0.007	0.000	0.010	0.000	0.002	0.000	0.000	0.000
Cations	19.869	19.830	19.866	19.865	19.790	19.904	19.899	19.766	19.909	19.918	19.947	19.961	19.960
Altot	5.789	5.818	5.841	5.778	5.835	5.873	5.826	5.861	5.676	5.769	5.853	5.735	5.669
AlVI+2Ti+(	3.045	3.094	3.066	3.043	3.146	3.042	3.031	3.197	2.953	2.988	2.995	2.924	2.903
Fe/Fe+Mg	0.728	0.736	0.733	0.726	0.733	0.716	0.717	0.739	0.733	0.714	0.651	0.638	0.632
Micro-site	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl	Chl	Chl
											Bt	Bt	Bt
											Ms	Ms	Ms
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 90. Sarentino (Eastern Alps, Italy).													
Analysis	S60	S61	S62	S63	S64	S65	S66	S67	S193	S194	S195	S196	S197
SiO2	23.97	24.09	24.06	24.38	24.64	24.23	24.57	24.11	24.56	24.63	23.85	23.67	24.54
TiO2	0.07	0.07	0.08	0.08	0.13	0.14	0.09	0.08	0.07	0.08	0.07	0.09	0.10
Al2O3	23.16	23.41	22.93	23.55	22.26	23.27	22.74	23.65	22.06	21.77	23.27	22.86	21.81
Cr2O3	0.02	0.03	0.01	0.00	0.03	0.02	0.08	0.00	0.00	0.03	0.00	0.00	0.04
FeO	31.07	29.88	29.97	29.76	29.92	30.73	30.00	30.16	29.97	29.96	30.62	31.00	30.15
MnO	0.05	0.02	0.00	0.03	0.00	0.06	0.04	0.00	0.04	0.03	0.05	0.05	0.03
MgO	9.97	10.49	10.63	10.35	11.02	10.08	10.73	10.36	11.08	11.32	10.37	9.81	11.52
CaO	0.03	0.00	0.01	0.01	0.01	0.03	0.01	0.00	0.00	0.00	0.02	0.00	0.04
Na2O	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00
K2O	0.02	0.01	0.02	0.05	0.03	0.00	0.03	0.03	0.01	0.03	0.01	0.02	0.01
Total	88.36	88.04	87.71	88.24	88.08	88.58	88.36	88.39	87.79	87.87	88.31	87.50	88.26
Si+4	5.165	5.175	5.194	5.214	5.292	5.192	5.263	5.160	5.296	5.310	5.133	5.158	5.274
AlIV	2.835	2.825	2.806	2.786	2.708	2.808	2.737	2.840	2.704	2.690	2.867	2.842	2.726
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	3.047	3.101	3.027	3.151	2.927	3.070	3.005	3.125	2.902	2.841	3.034	3.028	2.798
Cr+3	0.003	0.005	0.001	0.000	0.006	0.003	0.013	0.000	0.000	0.005	0.000	0.000	0.006
Fe+2	5.600	5.367	5.410	5.323	5.375	5.507	5.375	5.398	5.405	5.403	5.511	5.649	5.419
Mn+2	0.008	0.004	0.000	0.006	0.000	0.011	0.008	0.000	0.008	0.005	0.009	0.010	0.005

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Mg+2	3.203	3.359	3.420	3.300	3.529	3.222	3.427	3.305	3.561	3.638	3.326	3.187	3.690
Ti+4	0.011	0.011	0.013	0.013	0.021	0.023	0.014	0.013	0.012	0.014	0.012	0.014	0.016
totVI	11.872	11.848	11.872	11.793	11.859	11.837	11.841	11.840	11.888	11.905	11.893	11.889	11.935
K+1	0.004	0.003	0.005	0.012	0.008	0.000	0.007	0.008	0.003	0.007	0.003	0.004	0.003
Na+1	0.000	0.000	0.000	0.007	0.005	0.000	0.000	0.000	0.000	0.000	0.014	0.002	0.000
Ca+2	0.007	0.000	0.002	0.001	0.001	0.008	0.002	0.000	0.000	0.000	0.004	0.000	0.008
Cations	19.883	19.850	19.878	19.814	19.873	19.844	19.850	19.849	19.891	19.912	19.913	19.896	19.946
Altot	5.882	5.926	5.834	5.936	5.635	5.878	5.742	5.965	5.607	5.532	5.902	5.870	5.524
AlVI+2Ti+(	3.072	3.128	3.054	3.177	2.975	3.119	3.046	3.151	2.926	2.874	3.058	3.056	2.836
Fe/Fe+Mg	0.636	0.615	0.613	0.617	0.604	0.631	0.611	0.620	0.603	0.598	0.624	0.639	0.595
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in LP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 94. Sarentino (Eastern Alps, Italy).													
Analysis	S1	S2	S3	S4	S5	S6	S7	S8	S28	S29	S30	S31	S32
SiO2	24.83	24.28	24.72	24.77	24.83	24.60	24.98	24.94	24.54	24.36	24.17	24.70	24.18
TiO2	0.11	0.09	0.11	0.14	0.10	0.10	0.09	0.07	0.10	0.09	0.06	0.06	0.07
Al2O3	22.31	22.31	22.31	22.19	22.17	22.32	22.75	22.52	22.60	22.94	22.88	22.89	23.01
Cr2O3	0.00	0.06	0.07	0.03	0.03	0.02	0.05	0.06	0.00	0.00	0.00	0.01	0.04
FeO	29.50	29.59	29.36	28.91	28.52	30.37	29.17	28.80	28.55	28.69	28.95	28.37	28.84
MnO	0.25	0.20	0.25	0.17	0.17	0.26	0.19	0.22	0.14	0.09	0.06	0.21	0.27
MgO	10.84	11.41	11.36	11.50	11.81	11.05	11.11	11.58	11.43	11.68	11.56	11.42	10.98
CaO	0.02	0.02	0.03	0.06	0.00	0.01	0.01	0.01	0.03	0.00	0.02	0.00	0.00
Na2O	0.00	0.00	0.01	0.02	0.03	0.00	0.00	0.00	0.00	0.04	0.00	0.03	0.00
K2O	0.01	0.01	0.01	0.03	0.04	0.04	0.04	0.00	0.06	0.01	0.03	0.04	0.04
Total	87.86	88.02	88.28	87.85	87.73	88.79	88.42	88.26	87.44	87.90	87.73	87.74	87.45
Si+4	5.335	5.224	5.290	5.312	5.320	5.261	5.318	5.313	5.275	5.210	5.189	5.282	5.211
AlIV	2.665	2.776	2.710	2.688	2.680	2.739	2.682	2.687	2.725	2.790	2.811	2.718	2.789
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.984	2.880	2.915	2.919	2.918	2.884	3.027	2.969	2.999	2.991	2.979	3.050	3.057
Cr+3	0.000	0.009	0.011	0.004	0.005	0.003	0.008	0.010	0.000	0.000	0.000	0.001	0.007
Fe+2	5.300	5.324	5.253	5.183	5.110	5.430	5.193	5.133	5.132	5.131	5.198	5.074	5.197
Mn+2	0.045	0.036	0.045	0.032	0.030	0.048	0.034	0.040	0.025	0.016	0.010	0.038	0.049
Mg+2	3.472	3.659	3.624	3.676	3.772	3.523	3.525	3.678	3.662	3.723	3.700	3.640	3.527
Ti+4	0.017	0.014	0.017	0.023	0.016	0.015	0.014	0.011	0.015	0.015	0.010	0.009	0.011

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

totVI	11.818	11.923	11.866	11.837	11.850	11.903	11.801	11.840	11.834	11.876	11.897	11.812	11.847
K+1	0.004	0.003	0.001	0.009	0.011	0.010	0.011	0.000	0.016	0.003	0.009	0.011	0.010
Na+1	0.000	0.000	0.003	0.010	0.014	0.000	0.000	0.000	0.000	0.015	0.000	0.011	0.000
Ca+2	0.004	0.004	0.006	0.013	0.001	0.003	0.003	0.002	0.006	0.001	0.004	0.001	0.000
Cations	19.825	19.930	19.877	19.868	19.876	19.916	19.815	19.843	19.855	19.894	19.910	19.835	19.857
Altot	5.648	5.656	5.625	5.607	5.598	5.623	5.709	5.655	5.725	5.781	5.790	5.768	5.846
AlVI+2Ti+(	3.018	2.917	2.960	2.969	2.955	2.917	3.063	3.001	3.029	3.021	2.999	3.069	3.086
Fe/Fe+Mg	0.604	0.593	0.592	0.585	0.575	0.607	0.596	0.583	0.584	0.580	0.584	0.582	0.596
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in MP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 4/5. Central Scottish Highlands.													
Analysis	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
SiO2	24.38	24.29	24.07	24.05	24.03	24.17	23.99	23.82	24.33	24.42	23.60	23.64	23.93
TiO2	0.07	0.04	0.06	0.04	0.04	0.08	0.05	0.07	0.10	0.06	0.06	0.05	0.04
Al2O3	21.57	21.44	21.66	21.28	20.86	21.00	20.92	21.40	20.75	20.84	21.44	21.35	21.72
Cr2O3	0.00	0.00	0.02	0.00	0.03	0.02	0.03	0.03	0.05	0.00	0.07	0.03	0.05
FeO	31.78	31.86	31.87	31.42	32.26	31.89	32.15	31.76	31.25	31.95	32.08	32.47	31.87
MnO	0.28	0.24	0.29	0.28	0.23	0.27	0.22	0.27	0.22	0.26	0.27	0.28	0.30
MgO	9.52	9.66	9.47	9.53	9.52	9.65	9.55	9.48	10.15	9.79	9.12	9.04	9.33
CaO	0.00	0.01	0.00	0.01	0.00	0.00	0.03	0.02	0.00	0.02	0.01	0.01	0.01
Na2O	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
K2O	0.05	0.04	0.06	0.08	0.06	0.04	0.03	0.03	0.02	0.05	0.02	0.04	0.02
Total	87.64	87.57	87.51	86.71	87.03	87.13	86.96	86.85	86.87	87.39	86.67	86.92	87.28
Si+4	5.332	5.321	5.281	5.319	5.321	5.331	5.313	5.270	5.363	5.368	5.246	5.252	5.266
AlIV	2.668	2.679	2.719	2.681	2.679	2.669	2.687	2.730	2.637	2.632	2.754	2.748	2.734
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.892	2.856	2.883	2.868	2.766	2.790	2.774	2.850	2.755	2.769	2.864	2.842	2.901
Cr+3	0.000	0.000	0.004	0.001	0.006	0.004	0.006	0.006	0.009	0.000	0.013	0.006	0.008
Fe+2	5.813	5.838	5.848	5.812	5.974	5.884	5.955	5.877	5.761	5.874	5.963	6.032	5.867
Mn+2	0.053	0.044	0.054	0.053	0.044	0.051	0.041	0.050	0.041	0.049	0.052	0.053	0.056
Mg+2	3.103	3.154	3.098	3.142	3.142	3.174	3.152	3.126	3.335	3.207	3.021	2.994	3.060
Ti+4	0.011	0.006	0.010	0.007	0.007	0.014	0.008	0.011	0.016	0.010	0.010	0.008	0.007
totVI	11.871	11.898	11.897	11.883	11.938	11.917	11.936	11.919	11.917	11.910	11.923	11.934	11.899
K+1	0.013	0.011	0.017	0.021	0.017	0.012	0.008	0.007	0.006	0.013	0.005	0.011	0.007

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Na+1	0.000	0.000	0.000	0.003	0.000	0.003	0.000	0.000	0.001	0.000	0.000	0.001	0.000
Ca+2	0.000	0.002	0.000	0.003	0.000	0.000	0.006	0.004	0.000	0.005	0.003	0.001	0.003
Cations	19.884	19.911	19.914	19.911	19.955	19.931	19.950	19.930	19.924	19.927	19.931	19.948	19.909
Altot	5.560	5.535	5.602	5.548	5.445	5.459	5.462	5.580	5.392	5.401	5.618	5.590	5.634
AlVI+2Ti+(	2.913	2.868	2.908	2.883	2.786	2.821	2.795	2.877	2.796	2.790	2.897	2.865	2.923
Fe/Fe+Mg	0.652	0.649	0.654	0.649	0.655	0.650	0.654	0.653	0.633	0.647	0.664	0.668	0.657
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in MP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 65635B. Central Scottish Highlands.													
Analysis	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13
SiO2	24.32	24.48	24.46	23.72	24.55	24.07	24.19	24.14	24.26	24.34	24.23	24.81	24.26
TiO2	0.06	0.08	0.05	0.45	0.05	0.05	0.07	0.05	0.04	0.03	0.07	0.10	0.10
Al2O3	20.51	20.55	20.45	20.33	20.59	19.70	20.62	20.52	20.43	20.12	20.56	20.58	20.56
Cr2O3	0.00	0.01	0.01	0.03	0.02	0.02	0.04	0.00	0.00	0.03	0.00	0.00	0.02
FeO	31.00	31.28	31.61	31.68	30.95	31.16	31.83	32.62	31.92	31.98	31.39	31.51	30.93
MnO	0.38	0.38	0.43	0.36	0.34	0.38	0.41	0.44	0.41	0.45	0.38	0.38	0.39
MgO	10.05	10.09	10.13	9.75	10.15	10.04	9.47	9.39	9.33	9.66	9.74	9.96	9.91
CaO	0.00	0.02	0.03	0.04	0.03	0.01	0.00	0.01	0.04	0.02	0.01	0.02	0.00
Na2O	0.04	0.00	0.01	0.01	0.00	0.02	0.02	0.00	0.03	0.00	0.00	0.00	0.00
K2O	0.07	0.08	0.02	0.07	0.05	0.03	0.01	0.03	0.05	0.05	0.06	0.03	0.05
Total	86.44	86.98	87.19	86.44	86.74	85.48	86.65	87.20	86.51	86.69	86.45	87.40	86.21
Si+4	5.391	5.396	5.388	5.291	5.415	5.414	5.372	5.350	5.403	5.413	5.382	5.440	5.389
AlIV	2.609	2.604	2.612	2.709	2.585	2.586	2.628	2.650	2.597	2.587	2.618	2.560	2.611
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.749	2.734	2.697	2.636	2.765	2.637	2.769	2.712	2.764	2.686	2.764	2.757	2.772
Cr+3	0.000	0.003	0.001	0.006	0.004	0.004	0.006	0.000	0.000	0.006	0.001	0.000	0.003
Fe+2	5.746	5.767	5.823	5.909	5.709	5.863	5.911	6.047	5.943	5.947	5.832	5.777	5.747
Mn+2	0.072	0.071	0.081	0.069	0.063	0.073	0.077	0.083	0.077	0.085	0.072	0.071	0.074
Mg+2	3.322	3.316	3.328	3.242	3.336	3.367	3.134	3.103	3.096	3.202	3.226	3.254	3.283
Ti+4	0.011	0.013	0.008	0.076	0.009	0.009	0.011	0.008	0.006	0.004	0.011	0.016	0.016
totVI	11.900	11.904	11.939	11.937	11.885	11.953	11.908	11.953	11.887	11.930	11.906	11.875	11.895
K+1	0.019	0.024	0.005	0.020	0.015	0.009	0.004	0.010	0.013	0.015	0.016	0.010	0.013
Na+1	0.018	0.000	0.002	0.005	0.000	0.011	0.009	0.000	0.013	0.000	0.000	0.000	0.000
Ca+2	0.001	0.005	0.006	0.009	0.007	0.001	0.000	0.002	0.010	0.006	0.002	0.006	0.000

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Cations	19.938	19.932	19.952	19.970	19.907	19.974	19.921	19.965	19.924	19.950	19.924	19.891	19.908
Altot	5.358	5.338	5.309	5.345	5.350	5.222	5.397	5.361	5.361	5.273	5.382	5.317	5.383
AlVI+2Ti+(	2.770	2.763	2.715	2.793	2.786	2.658	2.798	2.729	2.777	2.701	2.787	2.788	2.808
Fe/Fe+Mg	0.634	0.635	0.636	0.646	0.631	0.635	0.653	0.661	0.658	0.650	0.644	0.640	0.636
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in MP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 67691. Central Scottish Highlands.													
Analysis	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D12	D13	D14
SiO2	22.99	23.42	23.11	23.15	23.40	23.18	22.97	23.01	23.18	23.10	23.06	22.93	23.46
TiO2	0.05	0.04	0.08	0.05	0.05	0.03	0.06	0.02	0.09	0.05	0.03	0.05	0.09
Al2O3	22.44	22.16	22.28	22.05	22.40	22.34	22.38	22.29	22.12	22.24	21.75	21.92	21.89
Cr2O3	0.07	0.04	0.00	0.04	0.02	0.02	0.01	0.00	0.01	0.04	0.02	0.01	0.02
FeO	32.95	32.40	32.92	32.19	32.83	32.55	32.33	32.78	33.16	32.81	32.29	32.64	32.98
MnO	0.38	0.27	0.30	0.26	0.26	0.26	0.24	0.27	0.30	0.25	0.27	0.30	0.30
MgO	8.93	8.93	8.83	8.79	8.83	8.84	8.91	8.76	8.91	8.87	9.07	9.03	9.07
CaO	0.02	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
Na2O	0.00	0.00	0.01	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.08	0.00
K2O	0.03	0.03	0.01	0.03	0.02	0.01	0.02	0.04	0.00	0.05	0.01	0.01	0.02
Total	87.84	87.30	87.54	86.57	87.84	87.24	86.96	87.17	87.77	87.41	86.49	86.99	87.82
Si+4	5.067	5.171	5.108	5.158	5.143	5.129	5.096	5.106	5.115	5.111	5.149	5.103	5.168
AlIV	2.933	2.829	2.892	2.842	2.857	2.871	2.904	2.894	2.885	2.889	2.851	2.897	2.832
totVI	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.896	2.940	2.912	2.948	2.947	2.954	2.950	2.936	2.867	2.911	2.873	2.852	2.849
Cr+3	0.012	0.006	0.001	0.007	0.004	0.004	0.001	0.000	0.002	0.008	0.003	0.002	0.004
Fe+2	6.074	5.983	6.083	5.998	6.036	6.022	6.001	6.082	6.119	6.071	6.031	6.075	6.073
Mn+2	0.071	0.050	0.057	0.048	0.049	0.050	0.045	0.050	0.057	0.047	0.051	0.056	0.055
Mg+2	2.934	2.940	2.908	2.919	2.892	2.914	2.948	2.898	2.933	2.924	3.021	2.995	2.976
Ti+4	0.008	0.006	0.013	0.009	0.008	0.005	0.010	0.004	0.015	0.009	0.004	0.009	0.015
totVI	11.996	11.925	11.973	11.929	11.935	11.949	11.955	11.970	11.993	11.969	11.982	11.990	11.973
K+1	0.007	0.010	0.003	0.010	0.005	0.004	0.005	0.010	0.000	0.015	0.002	0.002	0.004
Na+1	0.000	0.000	0.002	0.001	0.006	0.000	0.017	0.000	0.000	0.000	0.000	0.034	0.000
Ca+2	0.005	0.006	0.001	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
Cations	20.008	19.940	19.980	19.940	19.951	19.953	19.977	19.980	19.993	19.984	19.985	20.030	19.977
Altot	5.829	5.768	5.804	5.790	5.804	5.825	5.853	5.829	5.753	5.800	5.723	5.749	5.681

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

AlVI+Cr+2	2.924	2.958	2.939	2.973	2.967	2.968	2.972	2.943	2.899	2.936	2.884	2.872	2.882
Fe/Fe+Mg	0.674	0.671	0.677	0.673	0.676	0.674	0.671	0.677	0.676	0.675	0.666	0.670	0.671
Micro-site	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Qtz	Qtz	Qtz
Chlorites in MP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 67694. Central Scottish Highlands.													
Analysis	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13
SiO2	23.71	23.68	23.52	23.55	23.61	23.75	23.49	23.46	23.25	23.09	23.57	23.54	23.62
TiO2	0.04	0.07	0.05	0.06	0.06	0.07	0.03	0.05	0.05	0.03	0.03	0.06	0.05
Al2O3	21.90	22.05	21.77	21.72	21.93	21.70	21.65	21.62	21.62	21.53	21.64	21.60	21.73
Cr2O3	0.00	0.04	0.00	0.04	0.00	0.05	0.01	0.07	0.00	0.01	0.00	0.00	0.00
FeO	31.50	31.18	31.41	31.15	31.45	31.11	30.76	31.26	31.15	31.35	30.72	30.80	30.91
MnO	0.30	0.27	0.31	0.26	0.27	0.23	0.26	0.28	0.28	0.27	0.29	0.33	0.28
MgO	9.67	9.80	9.66	9.65	9.49	9.72	9.70	9.62	9.43	9.41	9.74	9.62	9.55
CaO	0.00	0.00	0.00	0.01	0.00	0.01	0.04	0.00	0.00	0.00	0.02	0.01	0.00
Na2O	0.00	0.03	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.02	0.00
K2O	0.03	0.03	0.06	0.05	0.03	0.01	0.03	0.01	0.06	0.04	0.03	0.03	0.03
Total	87.15	87.15	86.79	86.49	86.84	86.65	85.98	86.35	85.84	85.74	86.03	86.01	86.17
Si+4	5.218	5.203	5.203	5.219	5.215	5.248	5.228	5.213	5.200	5.180	5.241	5.240	5.246
AlIV	2.782	2.797	2.797	2.781	2.785	2.752	2.772	2.787	2.800	2.820	2.759	2.760	2.754
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.899	2.912	2.879	2.893	2.923	2.897	2.908	2.874	2.899	2.874	2.912	2.908	2.933
Cr+3	0.000	0.008	0.000	0.008	0.000	0.008	0.002	0.012	0.000	0.002	0.000	0.000	0.000
Fe+2	5.797	5.728	5.810	5.773	5.809	5.748	5.726	5.809	5.828	5.882	5.712	5.734	5.742
Mn+2	0.056	0.049	0.058	0.049	0.051	0.043	0.049	0.052	0.053	0.051	0.055	0.062	0.052
Mg+2	3.171	3.209	3.184	3.190	3.124	3.200	3.219	3.185	3.146	3.147	3.228	3.193	3.163
Ti+4	0.007	0.011	0.007	0.009	0.009	0.011	0.006	0.009	0.008	0.005	0.005	0.009	0.008
totVI	11.931	11.917	11.939	11.922	11.915	11.908	11.910	11.941	11.934	11.960	11.911	11.906	11.898
K+1	0.007	0.009	0.016	0.014	0.010	0.003	0.007	0.002	0.016	0.012	0.008	0.008	0.008
Na+1	0.000	0.013	0.009	0.000	0.004	0.001	0.004	0.000	0.000	0.002	0.000	0.008	0.000
Ca+2	0.000	0.000	0.000	0.003	0.000	0.003	0.010	0.000	0.000	0.001	0.004	0.003	0.000
Cations	19.938	19.939	19.964	19.938	19.929	19.914	19.931	19.943	19.950	19.975	19.923	19.925	19.906
Altot	5.681	5.710	5.677	5.674	5.708	5.649	5.680	5.662	5.699	5.694	5.671	5.668	5.687
AlVI+Cr+2	2.913	2.941	2.894	2.919	2.941	2.927	2.922	2.903	2.916	2.884	2.921	2.926	2.949
Fe/Fe+Mg	0.646	0.641	0.646	0.644	0.650	0.642	0.640	0.646	0.649	0.651	0.639	0.642	0.645

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Micro-site	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in MP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Brs606. Cesa Valley (Tauern Window, Eastern Alps, Italy).													
Analysis	W103	W104	W105	W106	W107	W108	W109	W110	W111	W112	W113	W114	W116
SiO2	24.22	24.43	24.44	24.53	24.46	24.42	24.47	24.81	24.28	24.46	24.47	24.42	24.43
TiO2	0.07	0.07	0.05	0.08	0.04	0.05	0.06	0.08	0.07	0.04	0.19	0.24	0.34
Al2O3	22.41	22.27	22.39	22.34	22.42	22.11	22.45	22.05	22.15	22.06	22.22	22.25	22.19
Cr2O3	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.02	0.00	0.00	0.04	0.00	0.00
FeO	26.91	26.66	26.48	26.52	26.75	26.98	27.36	27.24	27.41	27.08	26.70	27.71	26.93
MnO	0.37	0.32	0.43	0.43	0.43	0.51	0.37	0.39	0.35	0.44	0.45	0.52	0.53
MgO	12.72	12.94	12.72	12.79	12.98	12.61	12.86	13.00	12.80	12.88	12.97	12.43	12.81
CaO	0.06	0.01	0.03	0.00	0.01	0.01	0.06	0.05	0.00	0.02	0.03	0.00	0.03
Na2O	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
K2O	0.03	0.00	0.00	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Total	86.80	86.75	86.55	86.70	87.09	86.72	87.66	87.64	87.06	87.00	87.07	87.57	87.25
Si+4	5.215	5.251	5.262	5.272	5.240	5.266	5.223	5.291	5.224	5.259	5.245	5.232	5.235
AlIV	2.785	2.749	2.738	2.728	2.760	2.734	2.777	2.709	2.776	2.741	2.755	2.768	2.765
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.903	2.893	2.944	2.930	2.900	2.887	2.871	2.833	2.842	2.848	2.859	2.850	2.837
Cr+3	0.000	0.001	0.000	0.000	0.000	0.004	0.001	0.002	0.000	0.000	0.007	0.000	0.000
Fe+2	4.846	4.794	4.768	4.766	4.793	4.865	4.885	4.859	4.932	4.869	4.786	4.966	4.825
Mn+2	0.067	0.059	0.079	0.079	0.078	0.093	0.067	0.070	0.063	0.080	0.082	0.094	0.096
Mg+2	4.082	4.148	4.082	4.097	4.144	4.053	4.093	4.134	4.106	4.129	4.144	3.971	4.090
Ti+4	0.012	0.011	0.008	0.013	0.007	0.009	0.010	0.013	0.011	0.006	0.030	0.039	0.055
totVI	11.910	11.906	11.881	11.885	11.922	11.910	11.927	11.912	11.955	11.933	11.908	11.920	11.904
K+1	0.009	0.000	0.000	0.002	0.000	0.002	0.004	0.001	0.001	0.000	0.001	0.000	0.000
Na+1	0.001	0.013	0.003	0.000	0.000	0.001	0.000	0.000	0.000	0.003	0.000	0.000	0.000
Ca+2	0.014	0.003	0.007	0.000	0.001	0.001	0.013	0.012	0.000	0.005	0.006	0.000	0.006
Cations	19.934	19.923	19.891	19.887	19.923	19.914	19.945	19.925	19.956	19.941	19.915	19.920	19.909
Altot	5.688	5.642	5.682	5.658	5.661	5.620	5.649	5.542	5.618	5.589	5.614	5.618	5.603
AlVI+2Ti+(	2.927	2.917	2.960	2.956	2.914	2.908	2.892	2.861	2.864	2.861	2.926	2.928	2.946
Fe/Fe+Mg	0.543	0.536	0.539	0.538	0.536	0.546	0.544	0.540	0.546	0.541	0.536	0.556	0.541
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Ilm	Ilm	Ilm
Chlorites in MP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 305. Vizze Valley (Tauern Window, Eastern Alps, Italy).													
Analysis	W74	W75	W76	W77	W78	W79	W80	W81	W82	W83	W70	W71	W72
SiO2	25.47	25.71	25.27	25.09	25.23	25.72	25.51	25.62	25.80	25.06	25.34	25.14	25.23
TiO2	0.10	0.10	0.10	0.10	0.09	0.11	0.12	0.08	0.13	0.13	0.08	0.12	0.13
Al2O3	21.83	22.19	22.54	22.47	22.68	22.15	22.02	22.17	22.25	22.45	21.83	21.81	21.87
Cr2O3	0.02	0.00	0.05	0.02	0.07	0.05	0.04	0.00	0.05	0.02	0.04	0.03	0.01
FeO	23.73	23.78	24.18	23.80	24.25	24.03	24.05	23.99	24.21	24.39	24.64	24.83	24.09
MnO	0.07	0.11	0.13	0.15	0.15	0.13	0.14	0.13	0.12	0.08	0.16	0.15	0.15
MgO	15.37	15.45	15.07	14.94	14.99	15.55	15.40	15.55	15.47	15.26	14.68	14.59	14.76
CaO	0.00	0.01	0.00	0.04	0.03	0.00	0.02	0.00	0.00	0.01	0.02	0.02	0.03
Na2O	0.00	0.03	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
K2O	0.05	0.00	0.02	0.05	0.05	0.03	0.06	0.02	0.05	0.02	0.07	0.04	0.12
Total	86.64	87.38	87.38	86.67	87.56	87.78	87.36	87.56	88.09	87.43	86.86	86.73	86.38
Si+4	5.379	5.378	5.304	5.303	5.288	5.364	5.353	5.357	5.366	5.265	5.370	5.344	5.364
AlIV	2.621	2.622	2.696	2.697	2.712	2.636	2.647	2.643	2.634	2.735	2.630	2.656	2.636
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.815	2.849	2.879	2.902	2.890	2.810	2.800	2.820	2.819	2.824	2.823	2.807	2.844
Cr+3	0.003	0.000	0.009	0.003	0.011	0.008	0.007	0.000	0.008	0.003	0.006	0.004	0.001
Fe+2	4.191	4.160	4.243	4.207	4.250	4.192	4.220	4.194	4.211	4.285	4.367	4.412	4.283
Mn+2	0.013	0.019	0.023	0.026	0.026	0.022	0.025	0.024	0.022	0.014	0.029	0.026	0.026
Mg+2	4.841	4.817	4.714	4.709	4.683	4.836	4.818	4.847	4.796	4.779	4.637	4.624	4.677
Ti+4	0.016	0.016	0.016	0.016	0.014	0.018	0.018	0.012	0.020	0.021	0.012	0.019	0.020
totVI	11.879	11.861	11.885	11.863	11.873	11.886	11.889	11.897	11.876	11.926	11.875	11.894	11.851
K+1	0.014	0.001	0.006	0.015	0.014	0.007	0.015	0.005	0.014	0.005	0.018	0.010	0.033
Na+1	0.000	0.011	0.000	0.000	0.008	0.003	0.001	0.000	0.000	0.005	0.000	0.000	0.000
Ca+2	0.000	0.003	0.000	0.010	0.007	0.000	0.004	0.000	0.000	0.001	0.005	0.004	0.008
Cations	19.892	19.877	19.891	19.887	19.902	19.896	19.910	19.902	19.890	19.938	19.897	19.908	19.892
Altot	5.435	5.471	5.575	5.599	5.602	5.445	5.447	5.462	5.453	5.559	5.452	5.464	5.480
AlVI+2Ti+(	2.850	2.881	2.920	2.937	2.930	2.854	2.843	2.844	2.868	2.869	2.853	2.851	2.886
Fe/Fe+Mg	0.464	0.463	0.474	0.472	0.476	0.464	0.467	0.464	0.468	0.473	0.485	0.488	0.478
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Bt	Bt	Bt

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chlorites in HP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Val 31. Roc de la Valette (Western Alps, France).													
Analysis	J92	J93	J94	J95	J96	J97	J98	J99	J100	J101	J102	J103	J104
SiO2	25.05	25.12	25.45	25.22	24.96	25.33	24.97	25.30	25.05	24.93	25.45	25.27	25.19
TiO2	0.07	0.01	0.04	0.05	0.03	0.04	0.02	0.05	0.05	0.04	0.04	0.03	0.05
Al2O3	20.52	20.73	20.91	21.09	21.05	21.34	21.29	20.68	20.64	20.91	20.47	20.72	20.90
Cr2O3	0.02	0.01	0.03	0.00	0.02	0.02	0.00	0.02	0.02	0.02	0.04	0.01	0.02
FeO	29.96	29.22	29.13	29.27	28.60	28.75	29.63	29.01	29.06	29.55	27.80	28.34	27.90
MnO	0.23	0.22	0.23	0.25	0.21	0.24	0.27	0.23	0.19	0.23	0.20	0.20	0.18
MgO	11.41	11.71	11.98	11.64	11.86	11.98	11.06	11.48	11.96	11.56	12.13	12.16	12.22
CaO	0.00	0.00	0.01	0.00	0.03	0.03	0.03	0.01	0.01	0.03	0.00	0.01	0.01
Na2O	0.03	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
K2O	0.01	0.00	0.04	0.05	0.02	0.08	0.02	0.03	0.03	0.02	0.03	0.02	0.04
Total	87.29	87.03	87.84	87.57	86.79	87.81	87.30	86.82	87.00	87.27	86.16	86.76	86.52
Si+4	5.445	5.453	5.464	5.438	5.417	5.428	5.414	5.498	5.436	5.407	5.536	5.474	5.461
AlIV	2.555	2.547	2.536	2.562	2.583	2.572	2.586	2.502	2.564	2.593	2.464	2.526	2.539
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.704	2.755	2.753	2.797	2.801	2.819	2.853	2.794	2.716	2.754	2.785	2.765	2.799
Cr+3	0.003	0.002	0.006	0.000	0.004	0.004	0.000	0.004	0.004	0.004	0.007	0.001	0.004
Fe+2	5.448	5.304	5.229	5.277	5.190	5.152	5.371	5.271	5.275	5.360	5.057	5.134	5.058
Mn+2	0.042	0.040	0.042	0.045	0.039	0.044	0.049	0.042	0.034	0.042	0.036	0.037	0.034
Mg+2	3.698	3.790	3.833	3.740	3.837	3.829	3.574	3.719	3.869	3.738	3.933	3.928	3.948
Ti+4	0.011	0.002	0.007	0.008	0.005	0.006	0.003	0.008	0.008	0.006	0.007	0.005	0.008
totVI	11.905	11.893	11.870	11.867	11.875	11.853	11.850	11.838	11.906	11.903	11.825	11.871	11.851
K+1	0.003	0.001	0.011	0.014	0.005	0.022	0.005	0.007	0.009	0.006	0.008	0.005	0.011
Na+1	0.011	0.000	0.008	0.000	0.000	0.000	0.008	0.000	0.000	0.001	0.000	0.000	0.000
Ca+2	0.000	0.000	0.002	0.000	0.007	0.006	0.007	0.003	0.003	0.006	0.000	0.002	0.003
Cations	19.919	19.894	19.891	19.882	19.887	19.880	19.871	19.848	19.918	19.915	19.833	19.877	19.865
Altot	5.259	5.302	5.289	5.359	5.384	5.391	5.439	5.296	5.280	5.347	5.248	5.291	5.338
AlVI+2Ti+(	2.730	2.761	2.773	2.813	2.814	2.834	2.858	2.814	2.736	2.769	2.806	2.777	2.819
Fe/Fe+Mg	0.596	0.583	0.577	0.585	0.575	0.574	0.600	0.586	0.577	0.589	0.563	0.567	0.562
Micro-site	Chl perp.	Chl perp.	Chl perp.	Chl perp.	Chl perp.	Chl perp.	Chl perp.	Chl perp.	Chl perp.	Chl perp.	Chl 1	Chl 1	Chl 1
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in HP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Js7. Jasov Beds (Western Carpathians).													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Analysis	J134a	J135	J136	J137	J138	J139	J140	J141	J142	J143	J144	J145	J146
SiO2	24.43	24.37	24.25	24.26	24.42	24.45	24.21	24.59	24.87	24.95	24.75	25.08	24.82
TiO2	0.04	0.04	0.04	0.04	0.02	0.02	0.00	0.03	0.02	0.02	0.04	0.02	0.05
Al2O3	20.22	20.21	20.24	20.23	20.12	20.37	20.50	20.67	21.07	20.81	20.89	21.02	20.37
Cr2O3	0.02	0.02	0.01	0.00	0.01	0.01	0.03	0.03	0.00	0.00	0.03	0.01	0.04
FeO	30.85	31.71	31.96	32.25	32.19	31.26	31.85	31.88	31.91	32.12	32.14	31.64	31.43
MnO	0.29	0.24	0.22	0.25	0.19	0.09	0.24	0.18	0.21	0.16	0.23	0.18	0.23
MgO	9.90	9.82	9.94	9.65	9.75	10.49	9.91	9.78	9.97	9.99	9.85	10.01	9.85
CaO	0.00	0.02	0.04	0.02	0.02	0.01	0.02	0.01	0.00	0.00	0.03	0.00	0.01
Na2O	0.00	0.01	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.00	0.01	0.00
K2O	0.01	0.02	0.00	0.03	0.03	0.04	0.03	0.03	0.03	0.01	0.06	0.07	0.03
Total	85.75	86.46	86.70	86.73	86.76	86.74	86.80	87.21	88.07	88.08	88.02	88.05	86.83
Si+4	5.451	5.417	5.384	5.394	5.421	5.398	5.365	5.412	5.408	5.431	5.399	5.445	5.474
AlIV	2.549	2.583	2.616	2.606	2.579	2.602	2.635	2.588	2.592	2.569	2.601	2.555	2.526
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.768	2.712	2.679	2.693	2.685	2.696	2.718	2.773	2.807	2.771	2.771	2.825	2.769
Cr+3	0.003	0.004	0.002	0.000	0.002	0.002	0.004	0.005	0.000	0.000	0.005	0.002	0.007
Fe+2	5.756	5.895	5.933	5.996	5.977	5.772	5.902	5.868	5.803	5.847	5.864	5.745	5.797
Mn+2	0.054	0.046	0.041	0.046	0.035	0.018	0.045	0.034	0.039	0.029	0.042	0.033	0.043
Mg+2	3.294	3.253	3.289	3.197	3.227	3.451	3.274	3.207	3.232	3.242	3.202	3.241	3.238
Ti+4	0.006	0.007	0.007	0.007	0.004	0.003	0.000	0.005	0.004	0.003	0.007	0.003	0.008
totVI	11.881	11.917	11.951	11.940	11.930	11.941	11.944	11.892	11.885	11.892	11.891	11.849	11.861
K+1	0.004	0.005	0.001	0.008	0.007	0.011	0.010	0.008	0.007	0.004	0.017	0.019	0.008
Na+1	0.000	0.006	0.000	0.001	0.006	0.000	0.007	0.000	0.000	0.005	0.000	0.003	0.000
Ca+2	0.000	0.004	0.010	0.005	0.005	0.003	0.004	0.003	0.000	0.000	0.006	0.000	0.002
Cations	19.885	19.932	19.961	19.954	19.949	19.955	19.965	19.904	19.892	19.900	19.914	19.872	19.872
Altot	5.316	5.295	5.296	5.299	5.265	5.298	5.353	5.361	5.399	5.339	5.372	5.380	5.295
AlVI+2Ti+C	2.783	2.729	2.695	2.707	2.695	2.704	2.722	2.789	2.815	2.777	2.790	2.833	2.791
Fe/Fe+Mg	0.636	0.644	0.643	0.652	0.649	0.626	0.643	0.647	0.642	0.643	0.647	0.639	0.642
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in HP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Js10. Jasov Beds (Western Carpathians).													
Analysis	J1	J2	J3	J4	J5	J6	J7	J8	J9	J10	J11	J12	J33
SiO2	24.72	24.52	24.43	24.58	24.39	24.50	24.70	24.33	24.74	24.56	24.77	24.65	24.58

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

TiO2	0.02	0.07	0.03	0.03	0.05	0.06	0.03	0.05	0.04	0.06	0.04	0.05	0.03
Al2O3	20.37	20.48	20.40	20.46	20.41	20.49	20.53	20.49	20.43	20.40	20.52	20.66	20.65
Cr2O3	0.00	0.02	0.02	0.04	0.00	0.02	0.02	0.01	0.02	0.01	0.01	0.00	0.01
FeO	31.89	31.88	32.20	32.74	32.03	32.36	31.71	32.37	31.52	32.18	31.61	32.21	32.24
MnO	0.21	0.21	0.12	0.16	0.21	0.13	0.17	0.17	0.11	0.12	0.13	0.10	0.10
MgO	9.88	9.89	10.03	9.95	9.78	9.90	10.09	9.79	9.92	10.01	10.08	9.92	9.92
CaO	0.01	0.00	0.00	0.04	0.02	0.00	0.02	0.02	0.02	0.02	0.02	0.01	0.00
Na2O	0.00	0.03	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.02	0.00
K2O	0.00	0.04	0.00	0.02	0.00	0.01	0.04	0.04	0.03	0.02	0.04	0.02	0.00
Total	87.11	87.14	87.25	88.01	86.88	87.46	87.33	87.27	86.82	87.36	87.23	87.63	87.52
Si+4	5.447	5.405	5.387	5.384	5.399	5.391	5.423	5.371	5.457	5.404	5.438	5.402	5.397
AlIV	2.553	2.595	2.613	2.616	2.601	2.609	2.577	2.629	2.543	2.596	2.562	2.598	2.603
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.737	2.727	2.688	2.666	2.724	2.703	2.736	2.702	2.766	2.695	2.748	2.740	2.739
Cr+3	0.000	0.003	0.004	0.007	0.000	0.003	0.004	0.002	0.003	0.001	0.002	0.000	0.001
Fe+2	5.877	5.878	5.937	5.999	5.930	5.954	5.823	5.978	5.814	5.923	5.804	5.904	5.918
Mn+2	0.039	0.040	0.022	0.030	0.039	0.025	0.031	0.032	0.020	0.022	0.024	0.018	0.018
Mg+2	3.246	3.249	3.296	3.250	3.227	3.247	3.303	3.221	3.263	3.283	3.298	3.241	3.246
Ti+4	0.004	0.012	0.004	0.004	0.007	0.009	0.004	0.008	0.007	0.009	0.006	0.008	0.005
totVI	11.902	11.909	11.952	11.957	11.927	11.940	11.902	11.944	11.872	11.933	11.883	11.912	11.927
K+1	0.000	0.012	0.001	0.004	0.000	0.003	0.012	0.011	0.008	0.006	0.011	0.006	0.000
Na+1	0.002	0.011	0.007	0.000	0.000	0.002	0.005	0.000	0.000	0.000	0.013	0.007	0.000
Ca+2	0.002	0.000	0.000	0.008	0.004	0.000	0.004	0.005	0.004	0.004	0.005	0.002	0.000
Cations	19.905	19.932	19.960	19.969	19.931	19.945	19.923	19.960	19.884	19.944	19.911	19.927	19.927
Altot	5.290	5.322	5.301	5.282	5.325	5.312	5.313	5.331	5.309	5.291	5.310	5.338	5.342
AlVI+2Ti+(	2.744	2.754	2.701	2.682	2.739	2.724	2.748	2.720	2.783	2.715	2.763	2.757	2.750
Fe/Fe+Mg	0.644	0.644	0.643	0.649	0.648	0.647	0.638	0.650	0.641	0.643	0.638	0.646	0.646
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in HP metapelites - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Js15. Jasov Beds (Western Carpathians).													
Analysis	J43	J45	J46	J47	J48	J66	J67	J69	J70	J72	J73	J74	J76
SiO2	24.30	24.44	24.90	24.50	24.78	24.79	24.73	24.39	25.03	24.73	24.60	24.58	24.46
TiO2	0.02	0.04	0.05	0.05	0.07	0.06	0.03	0.04	0.09	0.09	0.04	0.08	0.02
Al2O3	21.33	20.67	20.64	20.81	20.96	21.49	21.52	21.17	20.89	21.48	21.12	20.90	21.16

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Cr2O3	0.04	0.04	0.03	0.02	0.00	0.01	0.02	0.00	0.05	0.05	0.02	0.02	0.05
FeO	31.43	31.23	31.53	31.46	31.28	30.71	31.52	32.12	31.65	31.08	30.57	31.15	31.89
MnO	0.09	0.13	0.13	0.10	0.17	0.09	0.19	0.17	0.22	0.12	0.07	0.14	0.07
MgO	10.05	10.10	10.28	10.04	9.90	10.44	9.88	9.67	10.20	10.17	10.06	10.07	10.00
CaO	0.02	0.00	0.02	0.02	0.01	0.00	0.00	0.01	0.04	0.02	0.00	0.00	0.02
Na2O	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00
K2O	0.07	0.06	0.04	0.05	0.02	0.04	0.04	0.03	0.03	0.05	0.03	0.05	0.02
Total	87.35	86.70	87.62	87.05	87.21	87.64	87.95	87.61	88.22	87.79	86.50	87.00	87.69
Si+4	5.324	5.395	5.436	5.388	5.428	5.380	5.373	5.347	5.427	5.371	5.414	5.398	5.346
AlIV	2.676	2.605	2.564	2.612	2.572	2.620	2.627	2.653	2.573	2.629	2.586	2.602	2.654
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.832	2.772	2.748	2.783	2.840	2.876	2.883	2.817	2.766	2.868	2.890	2.810	2.798
Cr+3	0.008	0.007	0.006	0.003	0.000	0.002	0.004	0.000	0.009	0.009	0.003	0.004	0.008
Fe+2	5.758	5.765	5.756	5.786	5.730	5.574	5.727	5.889	5.740	5.644	5.625	5.722	5.830
Mn+2	0.017	0.024	0.024	0.019	0.032	0.016	0.035	0.031	0.041	0.022	0.012	0.027	0.012
Mg+2	3.282	3.324	3.345	3.294	3.234	3.377	3.201	3.160	3.298	3.293	3.298	3.298	3.260
Ti+4	0.003	0.006	0.008	0.008	0.012	0.010	0.005	0.007	0.014	0.014	0.007	0.013	0.004
totVI	11.900	11.899	11.886	11.893	11.848	11.855	11.854	11.904	11.869	11.851	11.835	11.874	11.912
K+1	0.021	0.016	0.011	0.014	0.006	0.011	0.012	0.010	0.009	0.013	0.010	0.014	0.006
Na+1	0.000	0.000	0.000	0.000	0.000	0.001	0.010	0.000	0.003	0.002	0.000	0.000	0.000
Ca+2	0.004	0.000	0.006	0.005	0.003	0.001	0.000	0.003	0.009	0.004	0.000	0.000	0.005
Cations	19.925	19.915	19.903	19.912	19.857	19.867	19.876	19.917	19.891	19.869	19.845	19.888	19.923
Altot	5.508	5.378	5.312	5.395	5.412	5.496	5.510	5.470	5.339	5.497	5.476	5.411	5.452
AlVI+2Ti+(	2.846	2.792	2.769	2.803	2.864	2.897	2.896	2.830	2.804	2.906	2.906	2.839	2.814
Fe/Fe+Mg	0.637	0.634	0.632	0.637	0.639	0.623	0.641	0.651	0.635	0.632	0.630	0.634	0.641
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

C66	C67	C68	C69	C69	C70	C71	C73	C74	C75	C76	C77	C78	C79
24.39	24.77	24.43	24.65	24.41	24.53	24.37	24.24	23.99	24.41	24.16	24.44	24.72	24.92
0.07	0.09	0.07	0.06	0.05	0.06	0.07	0.10	0.06	0.07	0.26	0.22	0.17	0.24
21.61	21.11	21.08	21.12	21.07	21.68	21.64	21.53	21.05	21.67	21.03	21.44	21.39	21.06
0.00	0.02	0.01	0.01	0.01	0.03	0.00	0.01	0.01	0.02	0.09	0.00	0.02	0.03
28.28	28.19	28.48	28.46	28.37	28.42	27.89	28.32	28.59	28.69	28.14	28.83	27.98	27.95
0.31	0.40	0.30	0.31	0.24	0.36	0.32	0.32	0.29	0.33	0.33	0.25	0.36	0.25
12.15	12.27	12.02	12.10	11.88	11.76	11.94	11.89	11.61	11.93	11.95	12.13	11.91	12.24
0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.06	0.03	0.01	0.01	0.03	0.02
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.02	0.00
0.01	0.01	0.02	0.02	0.01	0.03	0.02	0.01	0.02	0.02	0.02	0.01	0.00	0.00
86.81	86.87	86.41	86.73	86.06	86.90	86.23	86.43	85.68	87.16	86.00	87.34	86.58	86.70
5.289	5.366	5.334	5.356	5.348	5.317	5.310	5.287	5.297	5.284	5.299	5.282	5.364	5.395
2.711	2.634	2.666	2.644	2.652	2.683	2.690	2.713	2.703	2.716	2.701	2.718	2.636	2.605
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.813	2.757	2.758	2.765	2.788	2.855	2.867	2.820	2.773	2.811	2.736	2.743	2.834	2.771
0.000	0.004	0.002	0.002	0.002	0.005	0.000	0.002	0.002	0.003	0.016	0.000	0.003	0.004
5.129	5.108	5.201	5.171	5.197	5.153	5.082	5.165	5.278	5.194	5.162	5.211	5.077	5.061
0.056	0.073	0.055	0.058	0.044	0.066	0.059	0.058	0.055	0.060	0.062	0.045	0.066	0.045
3.927	3.964	3.913	3.921	3.879	3.800	3.879	3.866	3.821	3.851	3.907	3.910	3.854	3.950
0.011	0.014	0.011	0.010	0.009	0.009	0.011	0.016	0.009	0.011	0.043	0.036	0.027	0.039
11.937	11.919	11.940	11.926	11.919	11.888	11.898	11.927	11.938	11.930	11.926	11.945	11.861	11.870
0.001	0.002	0.005	0.007	0.003	0.007	0.005	0.004	0.007	0.005	0.005	0.003	0.000	0.001
0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.007	0.007	0.000
0.001	0.000	0.000	0.000	0.002	0.011	0.000	0.000	0.013	0.007	0.002	0.002	0.007	0.006
19.938	19.925	19.945	19.933	19.924	19.906	19.903	19.934	19.958	19.943	19.933	19.956	19.875	19.877
5.524	5.390	5.424	5.409	5.440	5.539	5.557	5.533	5.476	5.527	5.437	5.461	5.470	5.376
0.566	0.563	0.571	0.569	0.573	0.576	0.567	0.572	0.580	0.574	0.569	0.571	0.568	0.562
2.835	2.789	2.782	2.787	2.808	2.878	2.889	2.854	2.793	2.836	2.838	2.815	2.891	2.853
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ilm	Ilm	Ilm	Ilm

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45
24.45	24.99	24.51	24.65	24.74	24.53	24.46	24.78	24.26	24.42	24.39	24.42	24.19	24.66
0.34	0.28	0.25	0.08	0.08	0.07	0.04	0.09	0.10	0.07	0.08	0.07	0.09	0.09
21.65	21.37	21.55	21.50	21.56	21.17	21.57	21.43	21.56	21.18	21.47	21.12	20.85	21.11
0.00	0.00	0.02	0.02	0.00	0.00	0.02	0.00	0.05	0.01	0.03	0.04	0.03	0.01
27.82	28.43	28.57	29.02	28.63	28.64	28.79	28.75	28.64	29.28	29.52	28.89	28.96	29.09
0.31	0.29	0.35	0.31	0.14	0.33	0.32	0.27	0.29	0.27	0.34	0.32	0.31	0.30
12.39	12.39	12.30	11.95	11.55	12.03	11.86	12.29	11.94	11.91	11.87	11.72	11.81	11.89
0.02	0.02	0.02	0.01	0.02	0.04	0.01	0.02	0.02	0.01	0.00	0.01	0.03	0.01
0.04	0.00	0.00	0.03	0.00	0.04	0.00	0.00	0.03	0.01	0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.05	0.04	0.04	0.07	0.04	0.06	0.04	0.02	0.00	0.00	0.02
87.02	87.77	87.57	87.62	86.76	86.89	87.13	87.66	86.95	87.19	87.71	86.58	86.27	87.17
5.276	5.354	5.277	5.315	5.368	5.329	5.301	5.328	5.269	5.303	5.271	5.332	5.310	5.348
2.724	2.646	2.723	2.685	2.632	2.671	2.699	2.672	2.731	2.697	2.729	2.668	2.690	2.652
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.782	2.750	2.743	2.779	2.882	2.751	2.809	2.758	2.788	2.725	2.740	2.767	2.706	2.744
0.000	0.000	0.003	0.003	0.000	0.001	0.003	0.000	0.008	0.001	0.005	0.007	0.005	0.002
5.020	5.095	5.145	5.232	5.195	5.204	5.217	5.171	5.202	5.318	5.334	5.275	5.318	5.276
0.056	0.053	0.064	0.057	0.026	0.061	0.058	0.049	0.053	0.049	0.063	0.058	0.058	0.055
3.987	3.958	3.948	3.839	3.737	3.897	3.831	3.940	3.865	3.857	3.822	3.816	3.864	3.844
0.056	0.044	0.041	0.013	0.013	0.011	0.007	0.015	0.016	0.012	0.013	0.012	0.014	0.014
11.901	11.899	11.943	11.923	11.853	11.925	11.925	11.932	11.931	11.963	11.977	11.934	11.966	11.935
0.000	0.001	0.000	0.015	0.010	0.011	0.019	0.012	0.018	0.011	0.005	0.000	0.000	0.005
0.016	0.000	0.001	0.013	0.000	0.016	0.000	0.000	0.012	0.003	0.000	0.000	0.003	0.000
0.005	0.004	0.004	0.002	0.004	0.009	0.002	0.004	0.006	0.003	0.000	0.001	0.008	0.001
19.923	19.904	19.948	19.952	19.867	19.962	19.946	19.948	19.967	19.981	19.981	19.936	19.977	19.941
5.506	5.395	5.467	5.464	5.514	5.421	5.508	5.430	5.518	5.422	5.468	5.434	5.396	5.396
0.557	0.563	0.566	0.577	0.582	0.572	0.577	0.568	0.574	0.580	0.583	0.580	0.579	0.579
2.894	2.838	2.828	2.808	2.908	2.774	2.826	2.788	2.828	2.750	2.771	2.798	2.739	2.774
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ilm	Ilm	Ilm	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

C14	C15	C16	C17	C18									
24.91	24.68	24.54	24.63	24.84									
0.09	0.09	0.07	0.06	0.05									
20.80	21.39	21.20	21.21	20.97									
0.00	0.03	0.05	0.05	0.04									
28.82	29.10	28.44	28.61	28.70									
0.39	0.31	0.28	0.28	0.33									
12.22	12.14	12.33	12.16	12.54									
0.03	0.00	0.04	0.03	0.02									
0.00	0.00	0.00	0.00	0.00									
0.03	0.02	0.04	0.04	0.04									
87.28	87.76	86.98	87.07	87.53									
5.390	5.314	5.319	5.335	5.355									
2.610	2.686	2.681	2.665	2.645									
8.000	8.000	8.000	8.000	8.000									
2.693	2.740	2.734	2.750	2.681									
0.000	0.005	0.009	0.008	0.006									
5.214	5.240	5.155	5.184	5.175									
0.071	0.057	0.051	0.052	0.061									
3.941	3.896	3.983	3.927	4.031									
0.014	0.015	0.011	0.010	0.008									
11.933	11.953	11.944	11.930	11.962									
0.009	0.005	0.011	0.010	0.010									
0.000	0.000	0.000	0.001	0.000									
0.006	0.000	0.008	0.008	0.004									
19.949	19.958	19.963	19.949	19.976									
5.303	5.427	5.415	5.415	5.326									
2.721	2.775	2.765	2.778	2.703									
0.570	0.574	0.564	0.569	0.562									
Chl	Chl	Chl	Chl	Chl									
Ms	Ms	Ms	Ms	Ms									
C106	C107	C108	C109	C110	C93	C94	C95	C96	C97	C98			
24.23	24.86	24.21	24.49	24.65	24.71	24.63	24.50	24.68	24.32	24.60			

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.06	0.08	0.07	0.03	0.07	0.07	0.07	0.08	0.06	0.09	0.08			
21.88	21.56	21.31	21.61	21.76	21.88	21.80	21.20	21.53	21.63	21.62			
0.02	0.03	0.04	0.04	0.00	0.02	0.00	0.04	0.05	0.02	0.01			
28.99	28.82	28.71	28.69	29.52	29.62	29.52	29.20	29.41	29.27	29.71			
0.36	0.33	0.35	0.36	0.34	0.31	0.37	0.28	0.35	0.32	0.33			
11.65	11.84	11.70	11.66	11.73	11.91	11.91	12.13	12.02	11.86	11.94			
0.03	0.03	0.09	0.05	0.04	0.03	0.01	0.05	0.05	0.00	0.07			
0.00	0.01	0.00	0.01	0.01	0.02	0.01	0.00	0.01	0.03	0.00			
0.03	0.03	0.02	0.02	0.02	0.04	0.00	0.06	0.01	0.01	0.01			
87.26	87.59	86.49	86.95	88.13	88.60	88.31	87.54	88.17	87.54	88.37			
5.251	5.351	5.292	5.314	5.293	5.277	5.277	5.298	5.297	5.258	5.276			
2.749	2.649	2.708	2.686	2.707	2.723	2.723	2.702	2.703	2.742	2.724			
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000			
2.838	2.821	2.781	2.840	2.800	2.785	2.784	2.702	2.743	2.770	2.740			
0.004	0.005	0.006	0.007	0.000	0.004	0.000	0.007	0.009	0.003	0.002			
5.252	5.188	5.248	5.206	5.301	5.291	5.289	5.281	5.280	5.293	5.329			
0.065	0.060	0.065	0.067	0.062	0.057	0.067	0.052	0.064	0.058	0.060			
3.764	3.799	3.814	3.774	3.755	3.792	3.804	3.909	3.845	3.824	3.816			
0.010	0.013	0.011	0.005	0.011	0.011	0.011	0.014	0.009	0.014	0.013			
11.933	11.886	11.926	11.899	11.929	11.940	11.955	11.964	11.950	11.962	11.960			
0.009	0.007	0.005	0.004	0.006	0.010	0.000	0.016	0.004	0.003	0.004			
0.000	0.002	0.000	0.002	0.002	0.007	0.003	0.000	0.005	0.012	0.000			
0.006	0.007	0.022	0.012	0.009	0.007	0.002	0.010	0.012	0.001	0.016			
19.948	19.903	19.952	19.918	19.946	19.964	19.960	19.991	19.971	19.978	19.980			
5.588	5.470	5.489	5.526	5.507	5.508	5.506	5.404	5.446	5.512	5.464			
0.583	0.577	0.579	0.580	0.585	0.583	0.582	0.575	0.579	0.581	0.583			
2.862	2.852	2.809	2.857	2.822	2.811	2.806	2.737	2.770	2.801	2.768			
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl			
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms			
					Qtz	Qtz	Qtz	Qtz	Qtz	Qtz			
r14	r15	r16	r17	r18	r19	r20	r21	r22	r23	r24	r25	r26	r27
23.67	24.00	23.79	24.09	23.72	23.55	23.44	23.44	23.61	23.81	23.41	23.61	23.39	23.04
0.07	0.07	0.06	0.08	0.07	0.10	0.09	0.09	0.06	0.09	0.12	0.09	0.06	0.07

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22.39	22.08	22.27	21.89	22.11	22.18	22.43	22.37	22.28	22.43	22.36	22.48	22.44	21.86
0.03	0.00	0.00	0.00	0.01	0.00	0.06	0.05	0.00	0.09	0.06	0.03	0.00	0.01
31.04	31.02	31.18	31.04	30.84	31.03	31.10	30.77	31.05	31.01	31.05	31.41	30.71	30.74
0.22	0.24	0.22	0.18	0.21	0.22	0.21	0.24	0.16	0.24	0.18	0.20	0.19	0.11
9.83	10.13	9.82	10.18	10.02	10.01	9.80	9.58	9.90	10.41	9.75	9.74	9.94	9.27
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.02	0.04	0.00	0.00	0.00
0.03	0.03	0.03	0.01	0.01	0.03	0.05	0.04	0.03	0.02	0.04	0.05	0.00	0.04
87.28	87.57	87.36	87.48	86.99	87.15	87.21	86.59	87.09	88.12	87.00	87.61	86.72	85.14
5.182	5.233	5.206	5.258	5.206	5.169	5.144	5.173	5.182	5.161	5.149	5.161	5.149	5.182
2.818	2.767	2.794	2.742	2.794	2.831	2.856	2.827	2.818	2.839	2.851	2.839	2.851	2.818
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.960	2.908	2.949	2.888	2.926	2.905	2.945	2.991	2.946	2.889	2.944	2.950	2.971	2.977
0.005	0.000	0.000	0.000	0.002	0.000	0.011	0.009	0.001	0.015	0.010	0.005	0.000	0.001
5.684	5.657	5.706	5.665	5.661	5.697	5.707	5.678	5.699	5.620	5.712	5.741	5.653	5.784
0.040	0.045	0.040	0.032	0.039	0.041	0.040	0.044	0.029	0.043	0.034	0.038	0.034	0.021
3.210	3.294	3.204	3.312	3.280	3.276	3.205	3.152	3.238	3.363	3.197	3.172	3.261	3.109
0.012	0.011	0.009	0.013	0.011	0.017	0.015	0.016	0.010	0.015	0.020	0.015	0.010	0.011
11.911	11.915	11.908	11.911	11.920	11.936	11.924	11.889	11.922	11.946	11.916	11.919	11.930	11.903
0.007	0.009	0.009	0.004	0.004	0.009	0.015	0.011	0.007	0.006	0.010	0.013	0.000	0.010
0.000	0.000	0.000	0.000	0.000	0.010	0.007	0.000	0.000	0.006	0.016	0.000	0.000	0.002
0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.003	0.000	0.001	0.000	0.002	0.000	0.000
19.918	19.923	19.918	19.916	19.924	19.956	19.946	19.903	19.930	19.959	19.942	19.934	19.930	19.915
5.778	5.675	5.743	5.630	5.720	5.737	5.801	5.818	5.764	5.729	5.796	5.789	5.822	5.794
2.989	2.930	2.967	2.914	2.950	2.939	2.986	3.032	2.967	2.934	2.994	2.985	2.991	3.000
0.639	0.632	0.640	0.631	0.633	0.635	0.640	0.643	0.638	0.626	0.641	0.644	0.634	0.650
Chl	Chl	Chl	Chl	Chl	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.
Pl	Pl	Pl	Pl	Pl	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
r127	r128	r129	r178	r179	r180	r181	r182	r183	r184	r185	r186	r187	r188
23.51	23.37	23.41	23.79	23.53	23.51	23.38	23.63	23.67	23.68	23.67	23.76	23.58	23.76
0.27	0.25	0.23	0.12	0.15	0.10	0.08	0.09	0.12	0.07	0.08	0.22	0.25	0.12
22.12	22.24	22.51	22.25	22.47	22.60	22.42	22.38	22.40	22.29	22.37	22.15	21.93	22.32
0.02	0.04	0.05	0.03	0.02	0.02	0.03	0.07	0.05	0.00	0.00	0.07	0.00	0.02

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32.29	31.45	31.51	31.52	31.38	30.99	31.12	31.21	31.57	31.48	31.24	31.30	31.23	30.88
0.27	0.26	0.24	0.21	0.24	0.17	0.16	0.17	0.20	0.25	0.25	0.22	0.20	0.18
9.92	9.86	10.15	9.88	9.94	10.20	10.04	9.96	10.15	10.02	10.05	10.02	9.96	10.40
0.01	0.00	0.00	0.02	0.01	0.03	0.02	0.03	0.01	0.03	0.00	0.01	0.00	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.02	0.01	0.05	0.00
0.02	0.00	0.02	0.01	0.00	0.04	0.03	0.00	0.01	0.00	0.00	0.03	0.00	0.00
88.43	87.47	88.11	87.84	87.73	87.66	87.26	87.54	88.22	87.82	87.68	87.79	87.19	87.69
5.120	5.125	5.093	5.187	5.136	5.124	5.126	5.162	5.140	5.165	5.164	5.180	5.179	5.171
2.880	2.875	2.907	2.813	2.864	2.876	2.874	2.838	2.860	2.835	2.836	2.820	2.821	2.829
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.795	2.871	2.864	2.904	2.916	2.930	2.920	2.923	2.873	2.894	2.916	2.871	2.856	2.895
0.003	0.007	0.008	0.006	0.003	0.003	0.005	0.012	0.009	0.000	0.000	0.012	0.000	0.003
5.880	5.767	5.733	5.747	5.726	5.648	5.707	5.702	5.733	5.741	5.700	5.708	5.736	5.620
0.049	0.048	0.043	0.038	0.045	0.031	0.029	0.032	0.037	0.046	0.047	0.041	0.038	0.033
3.219	3.224	3.293	3.211	3.232	3.314	3.281	3.244	3.287	3.259	3.269	3.256	3.260	3.374
0.045	0.040	0.037	0.020	0.024	0.016	0.013	0.015	0.020	0.011	0.013	0.036	0.041	0.020
11.991	11.958	11.978	11.926	11.946	11.942	11.955	11.929	11.959	11.952	11.944	11.923	11.930	11.944
0.007	0.001	0.006	0.003	0.000	0.011	0.007	0.000	0.004	0.000	0.000	0.009	0.001	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.012	0.000	0.006	0.005	0.022	0.000
0.003	0.000	0.000	0.004	0.002	0.008	0.004	0.006	0.002	0.007	0.000	0.003	0.000	0.001
20.000	19.959	19.984	19.933	19.949	19.961	19.965	19.939	19.977	19.959	19.951	19.939	19.953	19.946
5.676	5.746	5.771	5.716	5.780	5.805	5.794	5.762	5.733	5.729	5.752	5.690	5.676	5.724
2.887	2.959	2.945	2.950	2.967	2.965	2.951	2.965	2.922	2.916	2.942	2.955	2.938	2.938
0.646	0.641	0.635	0.642	0.639	0.630	0.635	0.637	0.636	0.638	0.636	0.637	0.638	0.625
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm
r102	r103	r104	r105	r106	r107	r108	r109	r110	r111	r112	r113		
24.01	24.01	24.88	24.55	24.62	24.57	24.15	23.54	23.47	23.30	23.67	23.36		
0.06	0.07	0.08	0.07	0.08	0.08	0.07	0.07	0.09	0.09	0.07	0.08		
21.71	22.35	21.07	21.30	21.27	21.05	23.11	22.41	22.49	22.38	22.45	22.34		
0.01	0.02	0.03	0.02	0.01	0.00	0.01	0.03	0.02	0.00	0.00	0.02		
30.77	31.02	29.90	30.30	29.91	30.31	30.17	30.12	29.67	30.52	29.42	29.73		
0.27	0.28	0.30	0.31	0.29	0.29	0.34	0.26	0.33	0.30	0.30	0.33		

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10.57	10.55	11.22	10.92	11.30	11.09	10.24	10.31	9.98	10.09	10.34	10.32		
0.01	0.01	0.00	0.00	0.01	0.02	0.01	0.00	0.01	0.00	0.03	0.02		
0.00	0.00	0.00	0.00	0.03	0.03	0.02	0.00	0.00	0.01	0.04	0.00		
0.06	0.05	0.02	0.02	0.05	0.04	0.01	0.02	0.03	0.02	0.02	0.01		
87.47	88.37	87.48	87.48	87.58	87.47	88.14	86.76	86.09	86.70	86.33	86.21		
5.242	5.187	5.394	5.338	5.336	5.347	5.197	5.165	5.180	5.131	5.199	5.153		
2.758	2.813	2.606	2.662	2.664	2.653	2.803	2.835	2.820	2.869	2.801	2.847		
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000		
2.828	2.876	2.778	2.796	2.770	2.746	3.060	2.958	3.031	2.940	3.010	2.962		
0.001	0.003	0.005	0.003	0.001	0.000	0.002	0.005	0.004	0.000	0.000	0.004		
5.618	5.605	5.421	5.510	5.423	5.516	5.429	5.525	5.477	5.622	5.405	5.485		
0.049	0.052	0.055	0.058	0.054	0.054	0.062	0.048	0.061	0.055	0.055	0.062		
3.438	3.398	3.627	3.539	3.653	3.598	3.286	3.373	3.285	3.314	3.385	3.395		
0.010	0.012	0.012	0.012	0.014	0.012	0.012	0.012	0.015	0.015	0.011	0.013		
11.944	11.945	11.898	11.918	11.915	11.926	11.850	11.921	11.872	11.945	11.865	11.921		
0.017	0.014	0.004	0.005	0.015	0.011	0.004	0.006	0.007	0.006	0.007	0.003		
0.000	0.000	0.000	0.000	0.014	0.011	0.010	0.000	0.000	0.003	0.019	0.000		
0.003	0.003	0.000	0.000	0.003	0.004	0.002	0.000	0.003	0.000	0.007	0.005		
19.963	19.962	19.902	19.922	19.947	19.952	19.866	19.927	19.882	19.954	19.898	19.929		
5.585	5.690	5.384	5.459	5.434	5.399	5.862	5.794	5.851	5.809	5.811	5.809		
2.848	2.903	2.807	2.822	2.799	2.770	3.085	2.987	3.064	2.970	3.031	2.992		
0.620	0.623	0.599	0.609	0.597	0.605	0.623	0.621	0.625	0.629	0.615	0.618		
Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.		
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms		
r50	r51	r52	r53	r54	r55	r56	r57	r59	r6o	r62	r63	r64	r65
24.20	23.54	22.93	24.28	23.77	23.75	23.71	23.93	23.83	24.08	23.97	24.01	23.95	23.82
0.08	0.09	0.06	0.03	0.07	0.07	0.07	0.16	0.27	0.16	0.11	0.09	0.08	0.05
21.70	22.13	21.21	22.23	22.11	21.96	22.24	22.30	22.24	21.99	22.18	22.12	22.09	22.30
0.01	0.00	0.01	0.02	0.02	0.01	0.00	0.05	0.03	0.05	0.00	0.00	0.00	0.01
30.23	31.42	30.83	30.86	30.81	29.79	30.43	30.79	31.04	31.17	31.40	30.83	30.83	31.30
0.26	0.29	0.32	0.29	0.30	0.27	0.32	0.28	0.35	0.30	0.31	0.26	0.30	0.35
10.95	10.40	10.36	10.58	10.26	10.43	10.56	10.55	10.51	10.42	10.41	10.69	10.51	10.45
0.00	0.02	0.04	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.03	0.00	0.01	0.03

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0.01	0.00	0.00	0.05	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.02
0.04	0.02	0.03	0.04	0.04	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.01	0.01
87.49	87.90	85.79	88.40	87.39	86.33	87.35	88.10	88.32	88.16	88.45	88.02	87.78	88.34
5.262	5.134	5.136	5.236	5.195	5.229	5.173	5.181	5.158	5.219	5.186	5.202	5.206	5.160
2.738	2.866	2.864	2.764	2.805	2.771	2.827	2.819	2.842	2.781	2.814	2.798	2.794	2.840
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.824	2.821	2.734	2.885	2.890	2.928	2.893	2.871	2.830	2.836	2.841	2.851	2.867	2.853
0.002	0.000	0.002	0.003	0.004	0.001	0.000	0.009	0.004	0.009	0.001	0.000	0.000	0.002
5.498	5.731	5.775	5.564	5.632	5.485	5.554	5.575	5.618	5.649	5.682	5.588	5.606	5.670
0.047	0.053	0.060	0.053	0.055	0.051	0.059	0.050	0.064	0.055	0.057	0.048	0.055	0.064
3.551	3.383	3.458	3.399	3.344	3.424	3.435	3.404	3.390	3.367	3.358	3.454	3.405	3.374
0.014	0.014	0.010	0.005	0.012	0.012	0.012	0.026	0.044	0.025	0.018	0.014	0.013	0.008
11.935	12.002	12.039	11.910	11.936	11.901	11.952	11.935	11.951	11.941	11.957	11.956	11.946	11.971
0.011	0.004	0.009	0.011	0.011	0.005	0.000	0.005	0.005	0.000	0.006	0.006	0.001	0.004
0.005	0.000	0.000	0.020	0.000	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.008
0.000	0.005	0.010	0.007	0.001	0.000	0.003	0.002	0.002	0.002	0.008	0.000	0.003	0.007
19.950	20.011	20.058	19.948	19.949	19.917	19.955	19.952	19.967	19.943	19.971	19.962	19.951	19.991
5.562	5.688	5.597	5.649	5.695	5.699	5.719	5.690	5.673	5.617	5.655	5.649	5.661	5.694
2.854	2.849	2.756	2.898	2.918	2.953	2.917	2.932	2.922	2.895	2.878	2.879	2.893	2.871
0.608	0.629	0.625	0.621	0.627	0.616	0.618	0.621	0.624	0.627	0.629	0.618	0.622	0.627
Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm
G14	G15	G16	G17	G18	G19	G20	G21	G22	G23	G24	G25	G26	G27
24.71	24.66	24.66	24.42	24.54	24.54	24.51	24.38	24.55	24.35	24.72	24.31	24.58	24.64
0.07	0.05	0.04	0.06	0.10	0.07	0.09	0.10	0.07	0.06	0.10	0.07	0.06	0.03
21.67	21.78	21.80	21.72	21.57	21.82	21.87	21.78	21.90	21.66	21.95	21.73	21.79	22.22
0.00	0.01	0.04	0.01	0.02	0.02	0.06	0.00	0.04	0.01	0.08	0.00	0.03	0.05
26.88	26.38	26.42	25.73	26.29	26.52	26.23	26.05	26.13	26.50	26.68	26.71	26.89	26.45
0.19	0.21	0.25	0.21	0.21	0.22	0.22	0.18	0.22	0.20	0.18	0.21	0.27	0.16
13.45	13.47	13.31	13.51	13.40	13.51	13.37	13.40	13.67	13.51	13.70	13.65	13.56	13.54
0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.05	0.02	0.04	0.00	0.02	0.00
0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02
0.03	0.01	0.01	0.03	0.03	0.02	0.05	0.03	0.02	0.02	0.00	0.01	0.03	0.01

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

86.99	86.57	86.53	85.69	86.17	86.72	86.39	85.93	86.65	86.33	87.45	86.72	87.23	87.12
5.301	5.303	5.306	5.292	5.304	5.274	5.280	5.277	5.270	5.262	5.267	5.234	5.263	5.261
2.699	2.697	2.694	2.708	2.696	2.726	2.720	2.723	2.730	2.738	2.733	2.766	2.737	2.739
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.779	2.820	2.834	2.840	2.798	2.799	2.834	2.834	2.810	2.778	2.779	2.749	2.761	2.852
0.000	0.002	0.006	0.002	0.003	0.003	0.009	0.001	0.007	0.002	0.013	0.000	0.004	0.009
4.822	4.742	4.755	4.663	4.751	4.766	4.725	4.716	4.689	4.787	4.754	4.810	4.815	4.724
0.034	0.038	0.045	0.039	0.038	0.040	0.041	0.034	0.040	0.036	0.032	0.038	0.049	0.029
4.300	4.318	4.270	4.364	4.318	4.328	4.294	4.323	4.374	4.351	4.351	4.383	4.328	4.309
0.010	0.008	0.007	0.010	0.015	0.011	0.014	0.016	0.012	0.009	0.016	0.012	0.009	0.005
11.945	11.928	11.917	11.918	11.924	11.948	11.918	11.923	11.932	11.963	11.944	11.992	11.967	11.928
0.009	0.003	0.003	0.009	0.007	0.004	0.013	0.009	0.005	0.006	0.000	0.003	0.009	0.004
0.001	0.000	0.000	0.001	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.009
0.000	0.000	0.002	0.000	0.003	0.000	0.000	0.000	0.011	0.005	0.010	0.000	0.005	0.000
19.955	19.931	19.922	19.928	19.937	19.955	19.931	19.933	19.948	19.973	19.955	20.002	19.981	19.941
5.478	5.518	5.529	5.548	5.493	5.525	5.554	5.557	5.540	5.516	5.512	5.515	5.498	5.592
2.800	2.839	2.854	2.862	2.832	2.824	2.871	2.867	2.840	2.798	2.824	2.772	2.784	2.871
0.529	0.523	0.527	0.517	0.524	0.524	0.524	0.522	0.517	0.524	0.522	0.523	0.527	0.523
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt
P192	P193	P194	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11
24.93	24.46	24.80	25.40	25.19	25.27	25.12	24.71	25.00	25.23	25.09	25.01	24.83	24.66
0.11	0.07	0.09	0.09	0.05	0.07	0.04	0.06	0.06	0.05	0.10	0.07	0.09	0.05
21.51	21.75	21.53	21.10	21.20	21.37	21.38	21.66	21.56	20.70	20.78	20.94	21.46	21.63
0.06	0.02	0.02	0.05	0.05	0.03	0.00	0.04	0.01	0.00	0.02	0.02	0.02	0.01
26.75	27.37	27.38	27.13	27.25	26.75	26.97	27.17	27.21	27.01	26.80	26.41	27.23	27.01
0.26	0.32	0.21	0.31	0.26	0.31	0.21	0.31	0.28	0.29	0.28	0.27	0.26	0.29
13.29	13.13	12.96	13.43	13.29	13.37	13.37	13.10	13.19	13.41	13.42	13.57	13.10	13.35
0.00	0.00	0.00	0.03	0.04	0.03	0.01	0.01	0.01	0.01	0.00	0.03	0.01	0.02
0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.06	0.03	0.00	0.00	0.03
0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.02
86.93	87.12	87.00	87.53	87.34	87.23	87.10	87.06	87.32	86.76	86.52	86.34	87.00	87.06

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5.348	5.260	5.333	5.417	5.390	5.398	5.379	5.307	5.348	5.432	5.412	5.397	5.336	5.294
2.652	2.740	2.667	2.583	2.610	2.602	2.621	2.693	2.652	2.568	2.588	2.603	2.664	2.706
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.786	2.772	2.789	2.720	2.736	2.778	2.775	2.790	2.785	2.686	2.698	2.722	2.773	2.765
0.010	0.002	0.003	0.009	0.009	0.004	0.000	0.007	0.001	0.000	0.003	0.004	0.004	0.001
4.798	4.920	4.923	4.839	4.876	4.780	4.830	4.879	4.868	4.864	4.835	4.766	4.894	4.848
0.047	0.059	0.039	0.055	0.046	0.056	0.038	0.057	0.050	0.053	0.051	0.049	0.047	0.052
4.251	4.207	4.153	4.271	4.240	4.257	4.267	4.193	4.205	4.305	4.317	4.366	4.196	4.272
0.018	0.011	0.014	0.014	0.007	0.011	0.006	0.010	0.010	0.009	0.017	0.012	0.014	0.008
11.909	11.972	11.921	11.907	11.915	11.885	11.916	11.936	11.919	11.916	11.921	11.919	11.928	11.947
0.004	0.001	0.001	0.001	0.003	0.004	0.000	0.000	0.004	0.000	0.000	0.003	0.000	0.006
0.000	0.000	0.005	0.000	0.000	0.009	0.000	0.000	0.000	0.026	0.013	0.000	0.000	0.013
0.000	0.000	0.000	0.006	0.009	0.007	0.002	0.003	0.002	0.003	0.000	0.006	0.002	0.005
19.913	19.973	19.927	19.914	19.926	19.906	19.917	19.939	19.925	19.945	19.934	19.929	19.930	19.972
5.438	5.512	5.456	5.303	5.346	5.380	5.396	5.483	5.437	5.254	5.285	5.325	5.436	5.471
2.832	2.796	2.820	2.757	2.759	2.804	2.787	2.817	2.806	2.704	2.735	2.750	2.805	2.782
0.530	0.539	0.542	0.531	0.535	0.529	0.531	0.538	0.537	0.530	0.528	0.522	0.538	0.532
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ilm	Ilm	Ilm	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Ms
P109	P110	P111	P112	P113	P114	P115	P116	P117	P118	P119	P120	P121	P122
24.41	24.27	24.32	24.42	24.33	24.40	24.29	24.20	24.44	24.47	24.67	24.42	24.73	24.37
0.09	0.08	0.06	0.11	0.12	0.10	0.08	0.06	0.08	0.07	0.07	0.08	0.07	0.09
21.71	21.82	21.67	21.73	21.43	21.53	21.60	21.68	21.71	21.06	21.14	21.36	21.26	21.12
0.00	0.02	0.01	0.02	0.00	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00
29.41	29.38	29.52	29.86	29.83	29.96	29.69	29.97	29.60	29.39	29.65	29.71	29.40	29.40
0.13	0.20	0.18	0.24	0.19	0.16	0.20	0.17	0.21	0.20	0.16	0.15	0.16	0.18
11.19	11.10	11.07	11.26	11.34	11.22	11.23	10.92	11.27	11.37	11.50	11.42	11.47	11.44
0.00	0.04	0.01	0.01	0.02	0.01	0.01	0.03	0.00	0.02	0.00	0.00	0.00	0.00
0.02	0.02	0.00	0.00	0.02	0.04	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
0.05	0.04	0.09	0.03	0.03	0.02	0.08	0.03	0.06	0.03	0.03	0.05	0.00	0.02
86.99	86.96	86.93	87.68	87.31	87.43	87.25	87.06	87.37	86.65	87.23	87.21	87.09	86.62
5.308	5.283	5.301	5.283	5.289	5.296	5.282	5.278	5.299	5.349	5.358	5.310	5.369	5.330

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2.692	2.717	2.699	2.717	2.711	2.704	2.718	2.722	2.701	2.651	2.642	2.690	2.631	2.670
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.872	2.881	2.867	2.821	2.779	2.806	2.818	2.852	2.846	2.777	2.770	2.785	2.809	2.774
0.000	0.003	0.002	0.004	0.000	0.000	0.009	0.000	0.000	0.007	0.001	0.001	0.000	0.000
5.350	5.348	5.380	5.402	5.423	5.439	5.398	5.468	5.366	5.374	5.385	5.403	5.337	5.378
0.024	0.037	0.034	0.044	0.035	0.029	0.036	0.031	0.038	0.037	0.029	0.027	0.029	0.033
3.626	3.602	3.597	3.632	3.675	3.630	3.641	3.551	3.643	3.705	3.725	3.702	3.711	3.731
0.014	0.014	0.010	0.018	0.020	0.016	0.013	0.010	0.013	0.012	0.011	0.013	0.012	0.015
11.886	11.885	11.890	11.922	11.933	11.920	11.915	11.912	11.906	11.913	11.921	11.931	11.898	11.931
0.013	0.011	0.025	0.008	0.007	0.007	0.022	0.008	0.016	0.008	0.008	0.014	0.000	0.006
0.006	0.007	0.000	0.001	0.009	0.018	0.009	0.006	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.009	0.002	0.001	0.005	0.001	0.002	0.007	0.001	0.005	0.000	0.000	0.001	0.000
19.906	19.912	19.917	19.932	19.953	19.946	19.947	19.932	19.923	19.925	19.929	19.946	19.899	19.936
5.564	5.598	5.566	5.539	5.490	5.510	5.536	5.574	5.547	5.428	5.412	5.475	5.441	5.444
2.900	2.912	2.889	2.861	2.819	2.838	2.853	2.872	2.872	2.808	2.793	2.812	2.833	2.804
0.596	0.598	0.599	0.598	0.596	0.600	0.597	0.606	0.596	0.592	0.591	0.593	0.590	0.590
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.	Bt cl.					
P71	P73	P74	P75	P76	P77	P78	P79	P80	P81	P82	P83	P84	P85
24.34	24.13	24.25	24.33	24.22	24.38	24.66	24.42	24.53	24.60	24.29	24.38	24.41	24.22
0.08	0.08	0.06	0.06	0.11	0.07	0.09	0.08	0.08	0.08	0.09	0.07	0.08	0.07
21.36	21.24	21.36	21.23	21.24	21.46	21.35	21.27	21.35	21.46	21.06	21.40	21.38	21.47
0.02	0.02	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.06	0.04	0.04	0.02	0.00
29.84	29.87	29.60	29.51	29.49	28.72	28.90	29.53	28.96	28.71	29.43	29.70	29.44	29.22
0.32	0.26	0.26	0.23	0.30	0.25	0.23	0.25	0.29	0.19	0.25	0.27	0.18	0.19
12.00	11.97	12.09	12.04	11.90	11.87	12.09	12.02	11.92	11.90	11.70	11.74	11.84	11.65
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.01	0.01	0.01	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.01
0.03	0.00	0.00	0.01	0.00	0.05	0.04	0.07	0.04	0.06	0.02	0.04	0.01	0.05
87.97	87.56	87.64	87.40	87.26	86.84	87.38	87.68	87.18	87.07	86.90	87.65	87.36	86.88
5.255	5.237	5.249	5.276	5.266	5.300	5.327	5.281	5.316	5.327	5.300	5.278	5.290	5.278
2.745	2.763	2.751	2.724	2.734	2.700	2.673	2.719	2.684	2.673	2.700	2.722	2.710	2.722

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8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.689	2.671	2.698	2.703	2.707	2.799	2.762	2.701	2.769	2.805	2.718	2.739	2.752	2.791
0.003	0.003	0.000	0.000	0.001	0.004	0.001	0.001	0.000	0.010	0.008	0.006	0.003	0.000
5.386	5.422	5.358	5.352	5.361	5.221	5.221	5.340	5.249	5.200	5.371	5.376	5.336	5.324
0.058	0.047	0.048	0.043	0.055	0.047	0.042	0.046	0.054	0.035	0.047	0.050	0.032	0.034
3.861	3.875	3.902	3.891	3.855	3.847	3.894	3.875	3.852	3.843	3.807	3.787	3.827	3.785
0.013	0.012	0.010	0.010	0.018	0.011	0.015	0.014	0.014	0.014	0.015	0.011	0.013	0.011
12.010	12.030	12.015	11.999	11.995	11.928	11.934	11.977	11.937	11.905	11.966	11.970	11.963	11.946
0.007	0.000	0.000	0.002	0.000	0.015	0.010	0.018	0.010	0.017	0.006	0.011	0.002	0.013
0.000	0.000	0.000	0.000	0.000	0.006	0.003	0.011	0.000	0.000	0.000	0.000	0.000	0.004
0.000	0.002	0.002	0.000	0.001	0.000	0.000	0.004	0.002	0.001	0.003	0.001	0.001	0.000
20.017	20.032	20.017	20.001	19.996	19.949	19.947	20.010	19.949	19.924	19.975	19.983	19.966	19.963
5.435	5.434	5.449	5.427	5.441	5.499	5.435	5.420	5.453	5.478	5.418	5.460	5.462	5.513
2.718	2.698	2.718	2.723	2.744	2.825	2.793	2.730	2.797	2.843	2.756	2.767	2.781	2.813
0.582	0.583	0.579	0.579	0.582	0.576	0.573	0.579	0.577	0.575	0.585	0.587	0.582	0.584
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
L14	L15	L17	L19	L20	L21	L22	L23	L24	L25	L26	L27	L28	L29
23.89	23.88	23.98	23.73	23.73	23.92	23.87	23.79	23.75	23.66	23.81	23.59	23.84	23.76
0.08	0.09	0.10	0.07	0.08	0.07	0.11	0.10	0.10	0.10	0.08	0.10	0.05	0.08
22.32	22.48	22.50	22.63	22.27	22.38	22.84	22.54	22.40	22.69	22.35	23.05	22.95	23.07
0.08	0.03	0.00	0.00	0.03	0.00	0.02	0.02	0.01	0.01	0.03	0.00	0.00	0.02
30.34	30.22	30.51	30.72	30.37	30.08	30.05	30.58	30.65	30.14	29.71	30.94	30.28	30.65
0.05	0.06	0.00	0.05	0.02	0.05	0.07	0.08	0.05	0.11	0.13	0.07	0.09	0.12
10.52	10.69	10.49	10.70	10.66	10.67	10.34	10.34	10.31	10.21	10.22	10.35	10.30	10.46
0.04	0.00	0.00	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.02	0.01	0.01	0.01
0.00	0.03	0.00	0.00	0.00	0.00	0.04	0.01	0.01	0.00	0.00	0.02	0.00	0.00
0.01	0.01	0.02	0.04	0.01	0.05	0.05	0.02	0.01	0.07	0.05	0.05	0.01	0.02
87.33	87.48	87.60	87.95	87.20	87.22	87.41	87.46	87.32	86.97	86.40	88.17	87.52	88.20
5.202	5.186	5.202	5.140	5.177	5.206	5.181	5.177	5.180	5.169	5.228	5.101	5.171	5.125
2.798	2.814	2.798	2.860	2.823	2.794	2.819	2.823	2.820	2.831	2.772	2.899	2.829	2.875
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.929	2.938	2.957	2.916	2.904	2.948	3.024	2.958	2.940	3.012	3.011	2.976	3.038	2.991

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.013	0.005	0.000	0.000	0.005	0.000	0.003	0.003	0.002	0.002	0.005	0.000	0.000	0.003
5.525	5.486	5.536	5.564	5.542	5.475	5.454	5.565	5.593	5.508	5.455	5.594	5.493	5.529
0.009	0.011	0.000	0.010	0.004	0.009	0.013	0.014	0.010	0.020	0.024	0.012	0.016	0.021
3.415	3.459	3.393	3.455	3.466	3.463	3.345	3.356	3.352	3.326	3.345	3.335	3.330	3.365
0.013	0.015	0.016	0.011	0.012	0.011	0.019	0.016	0.016	0.016	0.013	0.016	0.007	0.013
11.905	11.913	11.902	11.955	11.934	11.906	11.857	11.911	11.912	11.883	11.854	11.933	11.884	11.922
0.004	0.003	0.006	0.011	0.003	0.014	0.014	0.005	0.003	0.018	0.013	0.014	0.003	0.006
0.000	0.012	0.000	0.002	0.000	0.000	0.015	0.004	0.004	0.000	0.000	0.010	0.000	0.001
0.008	0.000	0.000	0.000	0.009	0.000	0.006	0.000	0.007	0.000	0.004	0.001	0.003	0.002
19.916	19.929	19.908	19.968	19.946	19.919	19.892	19.920	19.926	19.902	19.871	19.958	19.890	19.931
5.726	5.752	5.755	5.776	5.727	5.742	5.843	5.781	5.760	5.843	5.783	5.875	5.867	5.866
2.968	2.973	2.989	2.938	2.933	2.970	3.065	2.993	2.974	3.046	3.042	3.008	3.052	3.020
0.618	0.613	0.620	0.617	0.615	0.613	0.620	0.624	0.625	0.624	0.620	0.626	0.623	0.622
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
L83	L84	L84a	L85	L86	L87	L88	L89	L90	L91	L92	L93	L94	L95
23.78	23.76	23.82	23.76	23.95	23.72	23.75	23.83	23.88	23.70	23.69	23.42	23.33	23.53
0.09	0.03	0.10	0.09	0.07	0.06	0.06	0.07	0.08	0.09	0.07	0.09	0.07	0.06
22.46	22.66	22.75	22.72	22.65	22.44	22.47	22.45	22.36	22.57	22.52	22.38	22.58	22.78
0.00	0.00	0.03	0.01	0.04	0.05	0.01	0.01	0.02	0.02	0.07	0.02	0.00	0.06
30.32	30.13	30.38	30.43	30.02	30.06	30.73	30.13	29.88	30.48	29.95	30.57	30.32	30.29
0.03	0.09	0.02	0.03	0.05	0.05	0.08	0.05	0.07	0.08	0.00	0.06	0.07	0.10
10.70	10.56	10.58	10.53	10.13	10.47	10.55	10.93	10.39	10.48	10.43	10.11	10.35	10.55
0.00	0.03	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.02	0.00	0.00
0.00	0.00	0.00	0.00	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.03	0.01	0.03	0.05	0.19	0.05	0.05	0.06	0.04	0.05	0.05	0.00	0.02	0.04
87.42	87.26	87.72	87.62	87.15	86.92	87.71	87.54	86.74	87.47	86.79	86.66	86.73	87.40
5.172	5.170	5.160	5.156	5.218	5.184	5.161	5.170	5.223	5.158	5.181	5.152	5.123	5.121
2.828	2.830	2.840	2.844	2.782	2.816	2.839	2.830	2.777	2.842	2.819	2.848	2.877	2.879
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.928	2.981	2.967	2.967	3.034	2.965	2.915	2.912	2.988	2.945	2.987	2.956	2.966	2.964
0.001	0.000	0.006	0.001	0.007	0.009	0.002	0.002	0.003	0.003	0.012	0.003	0.000	0.011

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

5.514	5.483	5.503	5.523	5.470	5.494	5.584	5.468	5.466	5.546	5.477	5.624	5.566	5.513
0.005	0.017	0.003	0.005	0.010	0.009	0.014	0.009	0.013	0.015	0.000	0.011	0.013	0.019
3.467	3.424	3.415	3.405	3.291	3.412	3.417	3.535	3.389	3.401	3.402	3.317	3.387	3.421
0.015	0.005	0.017	0.015	0.011	0.009	0.010	0.012	0.014	0.015	0.012	0.014	0.011	0.009
11.930	11.911	11.911	11.916	11.821	11.899	11.942	11.938	11.873	11.926	11.889	11.926	11.942	11.937
0.008	0.003	0.007	0.014	0.053	0.014	0.015	0.015	0.011	0.013	0.012	0.001	0.005	0.012
0.002	0.000	0.000	0.000	0.024	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.007	0.003	0.000	0.000	0.001	0.003	0.000	0.000	0.000	0.003	0.004	0.000	0.000
19.940	19.920	19.920	19.930	19.899	19.923	19.959	19.953	19.885	19.938	19.905	19.931	19.948	19.949
5.756	5.811	5.807	5.811	5.816	5.781	5.754	5.742	5.765	5.788	5.806	5.804	5.843	5.844
2.959	2.991	3.007	2.998	3.063	2.992	2.937	2.938	3.019	2.978	3.023	2.987	2.988	2.993
0.614	0.616	0.617	0.619	0.624	0.617	0.620	0.607	0.617	0.620	0.617	0.629	0.622	0.617
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
S142	S143	S144	S145	S146	S147	S148	S149	S150	S151	S153	S154	S155	S156
24.23	23.79	23.93	24.25	23.87	24.47	24.11	24.27	24.22	24.40	24.08	23.88	24.47	24.09
0.08	0.10	0.06	0.09	0.06	0.05	0.07	0.10	0.06	0.07	0.08	0.10	0.07	0.05
22.04	22.42	22.30	22.03	22.43	21.55	22.07	22.13	22.39	22.02	22.39	21.99	22.51	22.56
0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.04	0.00	0.00	0.04	0.01	0.00
31.84	31.74	31.89	30.94	31.82	31.45	31.05	31.49	31.43	31.35	31.82	31.99	31.48	31.70
0.14	0.08	0.07	0.09	0.11	0.11	0.09	0.08	0.09	0.11	0.06	0.16	0.13	0.08
10.41	10.10	10.20	10.01	9.96	10.33	10.07	10.04	9.99	10.11	9.69	8.91	9.92	9.88
0.00	0.00	0.02	0.00	0.00	0.04	0.00	0.00	0.01	0.01	0.00	0.03	0.00	0.00
0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.02	0.00
0.00	0.01	0.00	0.03	0.01	0.03	0.03	0.03	0.01	0.05	0.03	0.06	0.04	0.02
88.74	88.25	88.47	87.50	88.28	88.02	87.52	88.15	88.28	88.14	88.16	87.20	88.66	88.39
5.227	5.162	5.182	5.283	5.179	5.313	5.256	5.259	5.239	5.284	5.226	5.261	5.266	5.211
2.773	2.838	2.818	2.717	2.821	2.687	2.744	2.741	2.761	2.716	2.774	2.739	2.734	2.789
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.830	2.896	2.872	2.940	2.915	2.828	2.926	2.912	2.947	2.907	2.954	2.973	2.975	2.960
0.000	0.000	0.000	0.002	0.001	0.000	0.002	0.001	0.006	0.000	0.000	0.007	0.001	0.001
5.743	5.760	5.774	5.636	5.773	5.711	5.661	5.707	5.686	5.680	5.775	5.894	5.664	5.734

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0.025	0.015	0.012	0.017	0.020	0.020	0.017	0.014	0.017	0.020	0.011	0.030	0.024	0.015
3.347	3.266	3.291	3.252	3.219	3.344	3.273	3.245	3.222	3.265	3.137	2.928	3.182	3.186
0.013	0.017	0.010	0.015	0.010	0.007	0.012	0.016	0.010	0.011	0.013	0.017	0.011	0.008
11.958	11.953	11.960	11.862	11.939	11.910	11.892	11.895	11.888	11.882	11.891	11.848	11.858	11.904
0.000	0.003	0.000	0.007	0.003	0.008	0.008	0.007	0.004	0.014	0.008	0.018	0.010	0.004
0.001	0.000	0.000	0.013	0.000	0.000	0.000	0.000	0.002	0.004	0.003	0.000	0.009	0.000
0.001	0.000	0.004	0.000	0.001	0.008	0.000	0.000	0.003	0.003	0.000	0.007	0.000	0.001
19.959	19.956	19.963	19.882	19.943	19.926	19.900	19.902	19.896	19.903	19.902	19.872	19.877	19.909
5.603	5.733	5.690	5.656	5.736	5.515	5.670	5.653	5.708	5.622	5.728	5.712	5.709	5.750
2.856	2.930	2.892	2.972	2.936	2.842	2.952	2.945	2.973	2.929	2.980	3.014	2.998	2.977
0.632	0.638	0.637	0.634	0.642	0.631	0.634	0.638	0.638	0.635	0.648	0.668	0.640	0.643
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
S198	S199	S200	S81	S82	S83	S84	S85	S87	S88	S185	S186	S187	S188
24.55	24.57	23.75	24.48	24.93	24.67	24.34	24.22	24.30	24.90	24.52	24.80	24.68	24.18
0.09	0.10	0.04	0.23	0.24	0.48	0.56	0.55	0.57	0.62	0.20	0.20	0.24	0.24
21.70	22.06	23.14	21.83	21.64	21.75	22.07	22.19	22.18	21.72	22.09	22.26	22.46	22.82
0.00	0.00	0.03	0.02	0.00	0.04	0.06	0.00	0.02	0.05	0.02	0.02	0.04	0.03
30.01	29.77	30.30	30.73	30.63	30.72	30.94	31.85	31.95	31.77	29.98	30.28	30.51	31.54
0.00	0.04	0.04	0.05	0.04	0.01	0.07	0.11	0.15	0.08	0.01	0.07	0.13	0.22
11.31	11.24	10.03	10.66	10.89	10.73	9.86	9.45	9.41	9.78	11.19	11.21	11.08	9.58
0.00	0.00	0.00	0.05	0.01	0.04	0.03	0.03	0.02	0.04	0.06	0.01	0.03	0.00
0.04	0.00	0.00	0.01	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.05	0.00	0.00
0.02	0.02	0.00	0.00	0.01	0.00	0.02	0.01	0.00	0.02	0.00	0.00	0.00	0.01
87.72	87.79	87.37	88.07	88.41	88.47	88.04	88.40	88.62	89.02	88.08	88.92	89.21	88.64
5.303	5.293	5.161	5.289	5.354	5.302	5.270	5.243	5.250	5.345	5.271	5.284	5.250	5.210
2.697	2.707	2.839	2.711	2.646	2.698	2.730	2.757	2.750	2.655	2.729	2.716	2.750	2.790
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.830	2.893	3.089	2.846	2.830	2.811	2.902	2.905	2.899	2.838	2.868	2.873	2.879	3.005
0.000	0.000	0.005	0.003	0.000	0.007	0.010	0.000	0.003	0.008	0.003	0.003	0.006	0.004
5.422	5.362	5.507	5.552	5.500	5.521	5.603	5.765	5.773	5.702	5.391	5.396	5.427	5.684
0.000	0.006	0.008	0.009	0.006	0.001	0.013	0.019	0.027	0.014	0.002	0.012	0.023	0.040

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3.643	3.610	3.249	3.434	3.487	3.436	3.181	3.050	3.030	3.129	3.586	3.559	3.513	3.077
0.014	0.017	0.007	0.037	0.039	0.077	0.092	0.089	0.093	0.100	0.032	0.032	0.038	0.039
11.908	11.888	11.865	11.881	11.862	11.854	11.801	11.829	11.825	11.791	11.883	11.876	11.887	11.849
0.005	0.006	0.001	0.000	0.003	0.001	0.006	0.001	0.000	0.006	0.000	0.000	0.000	0.003
0.016	0.000	0.000	0.005	0.004	0.000	0.014	0.000	0.000	0.000	0.000	0.019	0.000	0.000
0.000	0.000	0.000	0.012	0.003	0.008	0.006	0.007	0.006	0.010	0.014	0.003	0.007	0.001
19.930	19.893	19.866	19.897	19.873	19.863	19.827	19.838	19.831	19.807	19.897	19.898	19.895	19.853
5.526	5.600	5.928	5.557	5.476	5.509	5.631	5.662	5.649	5.494	5.597	5.589	5.630	5.794
2.858	2.927	3.108	2.923	2.908	2.972	3.096	3.083	3.088	3.046	2.935	2.940	2.961	3.087
0.598	0.598	0.629	0.618	0.612	0.616	0.638	0.654	0.656	0.646	0.601	0.603	0.607	0.649
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ilm	Ilm	Ilm	Ilm
S33	S34	S20	S22	S23	S24	S25	S26	S27	S44	S45	S46	S48	S49
24.35	24.54	23.96	24.37	23.75	23.91	24.40	24.12	23.75	24.00	24.49	24.73	24.51	24.82
0.08	0.09	0.10	0.07	0.08	0.06	0.04	0.06	0.10	0.29	0.56	0.20	0.50	0.30
22.62	22.68	23.15	22.61	23.15	23.33	22.96	23.28	22.01	23.63	22.95	23.46	22.45	22.85
0.00	0.00	0.00	0.02	0.00	0.02	0.02	0.01	0.06	0.02	0.02	0.09	0.05	0.00
28.71	28.88	28.59	28.87	29.39	29.70	30.31	29.09	28.44	29.28	29.25	29.35	29.72	30.05
0.08	0.15	0.15	0.16	0.13	0.21	0.34	0.17	0.11	0.17	0.17	0.20	0.19	0.25
11.44	11.13	11.46	11.21	10.97	10.54	10.40	10.84	11.19	11.22	11.44	11.34	11.20	10.85
0.00	0.00	0.01	0.00	0.00	0.04	0.03	0.01	0.02	0.02	0.00	0.00	0.00	0.01
0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.02	0.02	0.00	0.04	0.00
0.00	0.03	0.01	0.02	0.01	0.07	0.08	0.03	0.00	0.00	0.00	0.02	0.00	0.02
87.28	87.50	87.43	87.37	87.47	87.93	88.59	87.63	85.73	88.65	88.92	89.48	88.69	89.15
5.246	5.277	5.156	5.254	5.132	5.150	5.227	5.189	5.228	5.106	5.191	5.207	5.228	5.264
2.754	2.723	2.844	2.746	2.868	2.850	2.773	2.811	2.772	2.894	2.809	2.793	2.772	2.736
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.991	3.025	3.027	3.000	3.027	3.071	3.025	3.090	2.937	3.031	2.924	3.030	2.872	2.975
0.000	0.000	0.000	0.002	0.000	0.004	0.003	0.002	0.011	0.002	0.003	0.015	0.008	0.000
5.173	5.193	5.144	5.205	5.311	5.348	5.431	5.234	5.236	5.210	5.185	5.169	5.301	5.330
0.015	0.027	0.028	0.029	0.023	0.038	0.062	0.032	0.021	0.031	0.030	0.036	0.035	0.045
3.676	3.568	3.675	3.604	3.532	3.383	3.322	3.476	3.671	3.557	3.615	3.560	3.562	3.431
0.012	0.015	0.015	0.012	0.013	0.009	0.006	0.010	0.016	0.046	0.089	0.031	0.080	0.047

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11.868	11.828	11.889	11.853	11.906	11.854	11.849	11.843	11.891	11.878	11.847	11.841	11.858	11.828
0.000	0.009	0.004	0.007	0.002	0.020	0.022	0.008	0.000	0.000	0.000	0.004	0.000	0.007
0.000	0.002	0.000	0.008	0.000	0.010	0.000	0.000	0.000	0.006	0.008	0.000	0.015	0.000
0.001	0.000	0.002	0.000	0.000	0.009	0.007	0.003	0.005	0.004	0.001	0.000	0.001	0.002
19.869	19.840	19.895	19.867	19.908	19.893	19.878	19.853	19.897	19.887	19.856	19.845	19.874	19.836
5.745	5.749	5.871	5.746	5.895	5.921	5.798	5.902	5.709	5.925	5.732	5.823	5.644	5.712
3.015	3.055	3.057	3.026	3.053	3.093	3.040	3.112	2.980	3.125	3.105	3.107	3.040	3.069
0.585	0.593	0.583	0.591	0.601	0.613	0.620	0.601	0.588	0.594	0.589	0.592	0.598	0.608
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Ilm	Ilm	Ilm	Ilm	Ilm
L14	L15	L16	L17	L17a	L18	L19	L20	L21	L22	L23	L24	L25	L26
23.55	23.70	23.66	23.55	23.86	24.16	24.11	24.26	24.03	24.20	24.10	24.10	24.24	23.77
0.06	0.06	0.03	0.08	0.02	0.03	0.03	0.05	0.03	0.02	0.06	0.04	0.05	0.05
21.18	21.33	21.57	21.37	21.74	21.68	21.37	21.49	21.21	21.74	21.34	21.45	21.67	21.26
0.02	0.00	0.00	0.02	0.00	0.04	0.01	0.02	0.01	0.00	0.02	0.04	0.00	0.00
32.26	31.81	32.14	32.50	32.21	32.33	32.23	32.59	32.11	32.16	32.21	31.85	31.72	31.96
0.27	0.24	0.25	0.21	0.27	0.26	0.30	0.26	0.30	0.24	0.25	0.25	0.28	0.29
9.24	9.28	9.18	9.00	9.35	9.40	9.70	9.54	9.61	9.45	9.57	9.98	9.53	9.61
0.00	0.02	0.01	0.02	0.00	0.03	0.02	0.03	0.01	0.02	0.03	0.00	0.02	0.02
0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.01	0.03	0.00	0.05	0.00	0.00
0.02	0.02	0.02	0.01	0.06	0.01	0.03	0.06	0.02	0.02	0.03	0.02	0.02	0.00
86.60	86.47	86.89	86.74	87.52	87.97	87.79	88.29	87.34	87.89	87.59	87.78	87.52	86.96
5.248	5.272	5.244	5.241	5.247	5.283	5.285	5.291	5.295	5.289	5.292	5.272	5.309	5.260
2.752	2.728	2.756	2.759	2.753	2.717	2.715	2.709	2.705	2.711	2.708	2.728	2.691	2.740
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.811	2.864	2.880	2.847	2.882	2.869	2.804	2.816	2.802	2.889	2.816	2.802	2.901	2.805
0.003	0.000	0.000	0.003	0.000	0.008	0.001	0.003	0.003	0.000	0.003	0.006	0.000	0.000
6.011	5.918	5.957	6.049	5.923	5.912	5.907	5.946	5.916	5.878	5.917	5.827	5.809	5.915
0.051	0.045	0.047	0.040	0.051	0.049	0.055	0.049	0.056	0.045	0.046	0.045	0.051	0.053
3.069	3.079	3.034	2.985	3.064	3.062	3.168	3.101	3.156	3.078	3.133	3.255	3.110	3.171
0.010	0.009	0.004	0.013	0.004	0.005	0.005	0.008	0.005	0.004	0.010	0.006	0.007	0.009
11.955	11.914	11.921	11.936	11.923	11.905	11.941	11.922	11.938	11.894	11.924	11.941	11.879	11.954
0.007	0.006	0.004	0.003	0.016	0.003	0.009	0.016	0.005	0.006	0.009	0.005	0.007	0.000

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0.000	0.000	0.015	0.002	0.000	0.003	0.000	0.000	0.003	0.011	0.000	0.020	0.000	0.000
0.000	0.005	0.003	0.004	0.000	0.008	0.004	0.006	0.002	0.005	0.006	0.000	0.006	0.005
19.962	19.926	19.943	19.944	19.939	19.918	19.953	19.945	19.949	19.916	19.940	19.967	19.891	19.958
5.563	5.592	5.635	5.606	5.635	5.586	5.519	5.524	5.507	5.600	5.524	5.530	5.593	5.545
2.834	2.882	2.888	2.875	2.890	2.887	2.816	2.835	2.815	2.897	2.838	2.820	2.916	2.823
0.662	0.658	0.663	0.670	0.659	0.659	0.651	0.657	0.652	0.656	0.654	0.642	0.651	0.651
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	M27
23.78	23.88	24.44	24.52	24.44	24.20	23.96	24.33	24.32	24.65	24.39	24.71	24.42	24.46
0.05	0.06	0.03	0.04	0.04	0.04	0.06	0.03	0.04	0.04	0.02	0.05	0.04	0.04
20.40	20.50	20.23	20.81	21.01	20.57	20.72	20.79	21.04	21.01	21.09	20.68	20.79	20.68
0.02	0.03	0.00	0.01	0.00	0.00	0.04	0.00	0.00	0.01	0.04	0.05	0.00	0.02
31.73	31.56	31.49	31.82	32.14	32.12	31.96	31.87	31.92	31.76	31.32	31.99	31.77	32.12
0.36	0.40	0.44	0.36	0.40	0.37	0.32	0.41	0.36	0.44	0.34	0.41	0.37	0.42
9.52	9.34	9.63	9.87	9.85	9.96	9.97	9.63	9.67	9.92	10.28	10.02	9.91	9.87
0.01	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.02	0.00	0.05
0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.02	0.00	0.00
0.03	0.04	0.05	0.02	0.03	0.03	0.03	0.04	0.05	0.02	0.06	0.04	0.02	0.00
85.89	85.83	86.34	87.47	87.91	87.30	87.10	87.09	87.42	87.86	87.54	87.98	87.33	87.66
5.336	5.357	5.439	5.381	5.345	5.340	5.298	5.371	5.347	5.381	5.336	5.396	5.371	5.369
2.664	2.643	2.561	2.619	2.655	2.660	2.702	2.629	2.653	2.619	2.664	2.604	2.629	2.631
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.732	2.775	2.745	2.765	2.762	2.691	2.699	2.780	2.798	2.786	2.774	2.719	2.758	2.721
0.004	0.005	0.000	0.002	0.001	0.000	0.008	0.000	0.000	0.003	0.006	0.009	0.000	0.004
5.954	5.921	5.860	5.842	5.880	5.928	5.910	5.884	5.868	5.798	5.729	5.842	5.843	5.896
0.067	0.077	0.082	0.067	0.074	0.070	0.059	0.077	0.068	0.081	0.064	0.076	0.069	0.077
3.185	3.122	3.196	3.228	3.212	3.278	3.288	3.170	3.168	3.227	3.352	3.263	3.248	3.231
0.009	0.010	0.005	0.007	0.007	0.007	0.010	0.004	0.007	0.007	0.004	0.008	0.006	0.006
11.950	11.910	11.889	11.912	11.935	11.973	11.975	11.915	11.908	11.902	11.930	11.917	11.925	11.935
0.009	0.012	0.014	0.006	0.007	0.008	0.007	0.010	0.014	0.005	0.016	0.010	0.007	0.000
0.000	0.003	0.000	0.000	0.000	0.000	0.018	0.000	0.005	0.000	0.000	0.007	0.000	0.000
0.001	0.004	0.007	0.004	0.000	0.001	0.000	0.000	0.003	0.003	0.000	0.004	0.001	0.011

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19.960	19.929	19.910	19.922	19.943	19.982	20.000	19.925	19.930	19.911	19.946	19.938	19.932	19.947
5.395	5.418	5.307	5.384	5.416	5.351	5.401	5.409	5.451	5.405	5.438	5.323	5.387	5.352
2.753	2.800	2.755	2.782	2.777	2.704	2.727	2.789	2.812	2.803	2.788	2.744	2.771	2.737
0.652	0.655	0.647	0.644	0.647	0.644	0.642	0.650	0.649	0.642	0.631	0.642	0.643	0.646
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28
23.29	23.29	23.24	23.57	23.31	23.34	23.37	23.51	23.77	23.99	24.30	23.52	23.77	23.90
0.08	0.07	0.08	0.07	0.07	0.05	0.06	0.01	0.06	0.09	0.05	0.03	0.07	0.04
21.99	21.69	21.73	21.81	21.68	22.10	22.31	22.47	21.99	21.56	21.45	22.07	21.79	21.44
0.01	0.00	0.00	0.00	0.02	0.06	0.02	0.07	0.01	0.01	0.01	0.02	0.02	0.00
32.21	32.60	32.19	33.01	32.64	32.60	32.94	32.83	33.18	33.27	32.49	32.54	32.87	32.65
0.26	0.28	0.22	0.35	0.30	0.24	0.23	0.24	0.26	0.29	0.24	0.24	0.18	0.26
9.02	9.12	8.87	9.05	9.12	8.83	8.97	8.94	9.07	9.39	9.71	9.34	9.45	9.19
0.00	0.02	0.02	0.03	0.01	0.00	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.13	0.00	0.00	0.00	0.00
0.03	0.00	0.00	0.02	0.01	0.02	0.02	0.02	0.00	0.03	0.00	0.00	0.02	0.02
86.89	87.07	86.36	87.91	87.18	87.25	87.96	88.09	88.34	88.76	88.26	87.75	88.17	87.51
5.167	5.169	5.191	5.187	5.170	5.164	5.133	5.149	5.200	5.228	5.296	5.168	5.203	5.269
2.833	2.831	2.809	2.813	2.830	2.836	2.867	2.851	2.800	2.772	2.704	2.832	2.797	2.731
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.917	2.844	2.910	2.843	2.837	2.928	2.910	2.950	2.870	2.768	2.807	2.881	2.823	2.838
0.002	0.000	0.001	0.001	0.004	0.010	0.003	0.012	0.002	0.001	0.002	0.004	0.003	0.000
5.976	6.051	6.013	6.075	6.054	6.033	6.051	6.013	6.071	6.065	5.923	5.978	6.016	6.019
0.049	0.052	0.041	0.065	0.057	0.045	0.042	0.045	0.047	0.054	0.045	0.044	0.034	0.048
2.983	3.018	2.953	2.970	3.016	2.913	2.939	2.919	2.956	3.050	3.154	3.059	3.083	3.021
0.013	0.012	0.014	0.011	0.012	0.008	0.009	0.002	0.009	0.014	0.008	0.004	0.011	0.007
11.939	11.977	11.931	11.964	11.979	11.937	11.955	11.940	11.955	11.952	11.939	11.970	11.971	11.934
0.010	0.000	0.000	0.006	0.004	0.006	0.006	0.004	0.000	0.008	0.001	0.000	0.006	0.005
0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.000	0.000	0.053	0.000	0.000	0.000	0.000
0.000	0.004	0.004	0.007	0.002	0.000	0.006	0.000	0.000	0.004	0.000	0.000	0.000	0.003
19.949	19.981	19.935	19.977	19.985	19.944	19.975	19.945	19.955	20.018	19.940	19.970	19.977	19.942
5.749	5.675	5.719	5.656	5.667	5.764	5.777	5.801	5.670	5.539	5.511	5.713	5.620	5.569

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2.944	2.868	2.939	2.865	2.864	2.955	2.931	2.966	2.890	2.797	2.825	2.893	2.849	2.852
0.667	0.667	0.671	0.672	0.667	0.674	0.673	0.673	0.673	0.665	0.653	0.662	0.661	0.666
Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl perp.	Chl perp.	Chl perp.	Chl perp.	Chl perp.	Chl perp.	Chl perp.	Chl perp.
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz								
G14	G15	G16	G17	G17	G18	G19	G20	G21	G22	G23	G24	G25	G26
24.46	23.84	24.19	23.62	23.82	23.58	23.80	23.81	23.99	23.79	23.81	23.87	23.82	23.97
0.07	0.03	0.05	0.06	0.06	0.07	0.04	0.05	0.07	0.08	0.05	0.05	0.05	0.04
22.31	21.98	22.18	22.21	22.16	21.81	22.16	22.27	22.46	22.10	22.20	22.03	21.76	22.25
0.00	0.00	0.05	0.09	0.00	0.00	0.01	0.03	0.02	0.00	0.01	0.05	0.02	0.02
31.11	31.22	31.22	31.02	30.62	30.32	30.56	30.64	30.96	30.93	31.23	31.03	30.83	31.02
0.28	0.24	0.24	0.28	0.26	0.28	0.27	0.28	0.26	0.24	0.30	0.28	0.25	0.21
10.09	9.83	10.06	9.75	9.87	9.75	9.70	9.92	9.73	9.94	9.86	9.65	9.80	9.86
0.00	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.01	0.01	0.03	0.00	0.00	0.01
0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.03	0.00
0.02	0.01	0.01	0.02	0.02	0.01	0.01	0.00	0.02	0.03	0.01	0.00	0.03	0.00
88.33	87.15	88.02	87.09	86.83	85.82	86.55	86.99	87.53	87.14	87.50	86.96	86.60	87.38
5.278	5.234	5.247	5.188	5.231	5.242	5.244	5.218	5.229	5.216	5.206	5.246	5.258	5.235
2.722	2.766	2.753	2.812	2.769	2.758	2.756	2.782	2.771	2.784	2.794	2.754	2.742	2.765
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.951	2.920	2.920	2.938	2.969	2.957	2.997	2.972	2.999	2.927	2.927	2.954	2.918	2.963
0.000	0.000	0.009	0.016	0.001	0.000	0.002	0.006	0.003	0.000	0.002	0.008	0.003	0.004
5.614	5.731	5.665	5.699	5.624	5.636	5.630	5.617	5.644	5.671	5.710	5.703	5.690	5.667
0.051	0.044	0.044	0.052	0.049	0.053	0.051	0.052	0.047	0.045	0.056	0.052	0.047	0.039
3.245	3.218	3.253	3.193	3.230	3.232	3.186	3.240	3.161	3.249	3.213	3.163	3.223	3.211
0.011	0.004	0.008	0.010	0.009	0.011	0.006	0.008	0.012	0.013	0.009	0.009	0.009	0.007
11.872	11.916	11.899	11.909	11.881	11.889	11.872	11.894	11.866	11.905	11.916	11.888	11.890	11.890
0.005	0.003	0.003	0.004	0.004	0.002	0.002	0.000	0.005	0.009	0.002	0.000	0.009	0.000
0.001	0.002	0.000	0.010	0.004	0.000	0.000	0.000	0.003	0.009	0.000	0.000	0.013	0.000
0.000	0.000	0.003	0.003	0.005	0.000	0.000	0.000	0.002	0.001	0.007	0.000	0.001	0.003
19.877	19.922	19.905	19.926	19.894	19.891	19.874	19.894	19.876	19.925	19.925	19.888	19.913	19.892
5.673	5.686	5.673	5.750	5.737	5.715	5.753	5.754	5.770	5.711	5.721	5.707	5.660	5.728
2.973	2.929	2.945	2.975	2.988	2.978	3.010	2.993	3.026	2.953	2.946	2.979	2.939	2.980
0.634	0.640	0.635	0.641	0.635	0.636	0.639	0.634	0.641	0.636	0.640	0.643	0.638	0.638

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
W117	W118	W119	W120	W121	W122	W123	W124	W125	W126	W127	W128	W129	W130
24.55	24.43	24.65	24.57	24.64	24.67	24.70	24.30	24.53	24.24	24.44	24.81	24.61	24.43
0.39	0.25	0.22	0.28	0.28	0.31	0.08	0.07	0.07	0.07	0.05	0.05	0.08	0.06
22.53	22.30	22.23	22.15	22.36	22.34	22.06	22.26	22.15	22.15	22.40	22.00	21.88	22.51
0.04	0.06	0.03	0.04	0.01	0.06	0.00	0.00	0.02	0.07	0.01	0.03	0.00	0.03
27.10	27.49	27.55	27.35	27.15	27.20	26.89	27.22	27.24	27.33	27.36	27.11	27.63	27.70
0.45	0.46	0.51	0.48	0.51	0.36	0.32	0.31	0.34	0.29	0.31	0.36	0.40	0.46
12.89	12.80	12.72	13.03	13.13	13.17	13.01	12.96	12.96	12.96	12.79	13.04	12.89	12.37
0.07	0.04	0.01	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.03	0.02	0.02	0.02
0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.02	0.00	0.04	0.00
0.00	0.00	0.02	0.00	0.00	0.00	0.02	0.02	0.01	0.00	0.00	0.02	0.02	0.00
88.02	87.82	87.96	87.89	88.12	88.11	87.08	87.17	87.31	87.12	87.40	87.44	87.56	87.57
5.211	5.212	5.251	5.232	5.227	5.231	5.292	5.215	5.253	5.210	5.230	5.299	5.271	5.230
2.789	2.788	2.749	2.768	2.773	2.769	2.708	2.785	2.747	2.790	2.770	2.701	2.729	2.770
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.849	2.820	2.833	2.793	2.817	2.814	2.863	2.847	2.846	2.821	2.882	2.838	2.794	2.910
0.007	0.010	0.005	0.006	0.002	0.010	0.000	0.000	0.002	0.012	0.002	0.005	0.000	0.004
4.812	4.906	4.908	4.871	4.817	4.822	4.818	4.886	4.880	4.914	4.897	4.843	4.947	4.961
0.081	0.082	0.091	0.087	0.092	0.064	0.058	0.057	0.061	0.054	0.055	0.066	0.072	0.083
4.078	4.071	4.040	4.137	4.154	4.162	4.155	4.148	4.137	4.154	4.081	4.153	4.115	3.948
0.062	0.040	0.036	0.045	0.045	0.049	0.013	0.012	0.010	0.012	0.008	0.008	0.012	0.009
11.888	11.929	11.913	11.939	11.926	11.921	11.907	11.950	11.936	11.967	11.925	11.913	11.941	11.915
0.000	0.000	0.005	0.000	0.000	0.000	0.005	0.005	0.002	0.000	0.000	0.006	0.005	0.000
0.000	0.003	0.002	0.000	0.004	0.004	0.000	0.001	0.003	0.000	0.006	0.000	0.015	0.000
0.017	0.009	0.003	0.000	0.005	0.000	0.000	0.005	0.000	0.000	0.008	0.005	0.005	0.004
19.905	19.940	19.924	19.939	19.935	19.926	19.912	19.960	19.941	19.967	19.938	19.923	19.965	19.918
5.638	5.608	5.581	5.560	5.590	5.583	5.571	5.632	5.593	5.611	5.651	5.538	5.523	5.679
2.980	2.910	2.909	2.889	2.908	2.922	2.890	2.871	2.869	2.857	2.899	2.860	2.818	2.933
0.541	0.547	0.548	0.541	0.537	0.537	0.537	0.541	0.541	0.542	0.545	0.538	0.546	0.557
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt
W73	W84	W85	W86	W87	W88	W89	W90	W91	W92	W93	W94	W95	W96
25.01	25.58	25.54	25.30	25.07	25.15	25.32	25.34	25.16	25.32	25.18	25.33	25.29	25.34
0.08	0.07	0.07	0.07	0.07	0.10	0.07	0.09	0.08	0.09	0.16	0.06	0.10	0.08
22.39	22.59	22.57	22.44	22.73	22.37	22.78	22.65	22.31	22.72	22.20	22.59	22.28	22.32
0.05	0.02	0.02	0.03	0.06	0.04	0.00	0.00	0.03	0.00	0.05	0.02	0.00	0.00
24.42	24.21	23.97	23.72	24.71	24.98	23.69	24.00	24.15	24.30	25.04	24.35	25.44	24.87
0.11	0.09	0.11	0.19	0.12	0.08	0.14	0.12	0.15	0.08	0.07	0.10	0.12	0.10
14.69	15.49	15.18	15.34	14.96	15.01	15.27	15.17	15.10	15.30	14.72	14.99	14.57	14.82
0.00	0.00	0.00	0.01	0.03	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
0.03	0.00	0.00	0.02	0.00	0.00	0.01	0.03	0.01	0.02	0.17	0.06	0.02	0.01
86.77	88.05	87.47	87.12	87.76	87.74	87.29	87.39	86.98	87.84	87.58	87.51	87.82	87.55
5.297	5.320	5.340	5.315	5.254	5.279	5.301	5.309	5.307	5.285	5.302	5.311	5.315	5.324
2.703	2.680	2.660	2.685	2.746	2.721	2.699	2.691	2.693	2.715	2.698	2.689	2.685	2.676
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.886	2.857	2.904	2.870	2.867	2.814	2.922	2.901	2.852	2.872	2.813	2.893	2.833	2.853
0.008	0.003	0.004	0.004	0.011	0.006	0.000	0.000	0.004	0.000	0.008	0.003	0.000	0.000
4.325	4.211	4.192	4.166	4.330	4.386	4.148	4.204	4.260	4.241	4.411	4.270	4.470	4.370
0.020	0.017	0.020	0.034	0.022	0.014	0.025	0.020	0.026	0.014	0.012	0.018	0.021	0.018
4.637	4.801	4.733	4.804	4.675	4.698	4.766	4.736	4.749	4.762	4.622	4.684	4.565	4.643
0.012	0.010	0.012	0.012	0.011	0.015	0.011	0.014	0.013	0.014	0.025	0.010	0.016	0.013
11.888	11.899	11.864	11.890	11.915	11.933	11.872	11.875	11.904	11.903	11.891	11.878	11.906	11.897
0.008	0.000	0.001	0.005	0.000	0.000	0.002	0.009	0.003	0.006	0.045	0.016	0.005	0.004
0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.001	0.007	0.003	0.004	0.001	0.000	0.001	0.000	0.000	0.001	0.000
19.896	19.899	19.865	19.896	19.925	19.936	19.878	19.887	19.907	19.910	19.936	19.894	19.912	19.901
5.589	5.538	5.564	5.556	5.613	5.535	5.621	5.591	5.545	5.588	5.511	5.582	5.518	5.529
2.919	2.882	2.931	2.898	2.899	2.850	2.945	2.928	2.882	2.901	2.871	2.917	2.866	2.879
0.483	0.467	0.470	0.464	0.481	0.483	0.465	0.470	0.473	0.471	0.488	0.477	0.495	0.485
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

J105	J106	J107	J114	J115	J117	J118	J119	J120	J121	J122	J123	J124	J125
25.61	25.56	25.48	25.12	25.19	25.08	25.01	24.72	25.06	24.92	24.65	24.74	24.56	24.66
0.06	0.05	0.03	0.07	0.07	0.02	0.07	0.01	0.06	0.08	0.08	0.08	0.05	0.04
20.88	20.94	20.79	20.64	20.64	20.36	20.66	20.30	20.68	20.50	20.19	20.45	19.93	20.21
0.04	0.02	0.02	0.04	0.02	0.04	0.01	0.01	0.04	0.01	0.00	0.04	0.03	0.05
26.70	27.33	27.81	30.37	30.50	30.60	30.66	30.46	30.64	30.58	30.57	29.96	30.53	29.98
0.16	0.15	0.25	0.30	0.25	0.27	0.22	0.26	0.20	0.28	0.26	0.32	0.25	0.21
13.08	12.76	12.58	11.34	11.24	10.80	10.83	10.88	11.06	10.75	10.68	11.07	11.16	11.48
0.00	0.00	0.02	0.03	0.02	0.00	0.01	0.00	0.01	0.00	0.02	0.01	0.00	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.03	0.00	0.00	0.00
0.04	0.00	0.02	0.04	0.02	0.03	0.01	0.04	0.03	0.00	0.03	0.00	0.00	0.00
86.57	86.82	86.99	87.94	87.97	87.21	87.49	86.70	87.78	87.14	86.51	86.67	86.51	86.63
5.505	5.495	5.486	5.432	5.446	5.479	5.443	5.436	5.434	5.449	5.439	5.427	5.422	5.413
2.495	2.505	2.514	2.568	2.554	2.521	2.557	2.564	2.566	2.551	2.561	2.573	2.578	2.587
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.794	2.800	2.763	2.693	2.705	2.721	2.743	2.698	2.718	2.731	2.690	2.715	2.607	2.644
0.007	0.003	0.003	0.006	0.003	0.007	0.002	0.003	0.007	0.002	0.000	0.007	0.005	0.008
4.800	4.913	5.008	5.492	5.514	5.591	5.580	5.602	5.557	5.592	5.642	5.496	5.636	5.505
0.028	0.028	0.046	0.054	0.046	0.050	0.040	0.048	0.037	0.052	0.048	0.059	0.047	0.039
4.192	4.090	4.038	3.656	3.623	3.515	3.515	3.569	3.574	3.504	3.513	3.619	3.672	3.756
0.010	0.008	0.005	0.011	0.012	0.003	0.011	0.002	0.010	0.013	0.013	0.013	0.008	0.006
11.831	11.843	11.862	11.912	11.904	11.888	11.891	11.921	11.904	11.894	11.906	11.909	11.975	11.958
0.012	0.000	0.005	0.011	0.007	0.009	0.004	0.012	0.007	0.000	0.010	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.006	0.000	0.006	0.013	0.000	0.000	0.000
0.000	0.000	0.004	0.006	0.004	0.001	0.002	0.000	0.002	0.000	0.006	0.003	0.000	0.003
19.843	19.843	19.872	19.929	19.914	19.899	19.897	19.939	19.913	19.899	19.934	19.913	19.975	19.961
5.289	5.305	5.277	5.261	5.259	5.242	5.300	5.263	5.284	5.282	5.251	5.288	5.185	5.231
2.821	2.820	2.776	2.720	2.733	2.734	2.767	2.704	2.746	2.758	2.716	2.748	2.628	2.664
0.534	0.546	0.554	0.600	0.603	0.614	0.614	0.611	0.609	0.615	0.616	0.603	0.605	0.594
Chl 1	Chl 1	Chl 1	Chl 2	Chl 2	Chl 2	Chl 2	Chl 2	Chl 2	Chl 2	Chl 2	Chl 2	Chl 3	Chl 3
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

J147	J148	J149	J150	J151	J152	J153	J154	J155	J156	J157	J158	J159	J161
24.81	25.23	24.65	24.74	25.17	24.80	24.79	25.32	24.94	24.99	25.35	25.17	25.11	24.84
0.04	0.02	0.04	0.04	0.04	0.03	0.05	0.04	0.02	0.05	0.05	0.02	0.06	0.04
20.59	20.62	20.59	21.04	20.70	20.73	20.72	20.55	20.38	20.75	20.85	20.55	20.30	20.41
0.04	0.00	0.03	0.02	0.00	0.04	0.02	0.00	0.00	0.03	0.00	0.02	0.04	0.01
32.30	32.31	31.80	31.67	32.17	31.90	32.26	32.33	30.81	32.29	31.66	31.72	31.28	30.66
0.22	0.26	0.18	0.13	0.17	0.24	0.19	0.26	0.15	0.13	0.15	0.18	0.15	0.13
10.04	9.90	10.36	10.35	10.06	9.75	9.68	10.17	10.37	10.01	10.55	10.42	10.70	10.12
0.02	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.04	0.04
0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.01	0.04	0.03	0.05	0.02	0.03	0.00	0.00	0.03	0.02	0.02	0.01	0.01
88.08	88.37	87.72	88.07	88.35	87.52	87.73	88.67	86.70	88.28	88.62	88.13	87.69	86.25
5.414	5.478	5.391	5.377	5.461	5.434	5.428	5.477	5.484	5.432	5.461	5.464	5.471	5.489
2.586	2.522	2.609	2.623	2.539	2.566	2.572	2.523	2.516	2.568	2.539	2.536	2.529	2.511
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.709	2.754	2.698	2.766	2.753	2.788	2.775	2.714	2.767	2.747	2.755	2.723	2.682	2.805
0.006	0.000	0.005	0.003	0.000	0.006	0.003	0.000	0.000	0.005	0.000	0.003	0.007	0.001
5.894	5.867	5.815	5.755	5.836	5.845	5.906	5.848	5.667	5.869	5.705	5.759	5.698	5.665
0.041	0.048	0.033	0.024	0.030	0.045	0.035	0.048	0.028	0.023	0.026	0.033	0.028	0.024
3.266	3.203	3.376	3.354	3.254	3.186	3.158	3.279	3.401	3.244	3.389	3.372	3.474	3.335
0.006	0.003	0.007	0.007	0.006	0.005	0.008	0.007	0.002	0.008	0.007	0.004	0.010	0.006
11.922	11.875	11.934	11.908	11.880	11.875	11.886	11.896	11.865	11.896	11.882	11.893	11.899	11.836
0.007	0.003	0.011	0.007	0.014	0.006	0.007	0.000	0.000	0.008	0.005	0.005	0.003	0.003
0.000	0.000	0.000	0.009	0.000	0.006	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000
0.004	0.005	0.006	0.005	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.006	0.009	0.009
19.933	19.883	19.952	19.929	19.894	19.887	19.893	19.899	19.872	19.904	19.887	19.904	19.912	19.848
5.294	5.276	5.307	5.389	5.292	5.354	5.347	5.238	5.283	5.316	5.294	5.259	5.211	5.315
2.727	2.760	2.717	2.781	2.765	2.804	2.794	2.728	2.772	2.768	2.769	2.732	2.709	2.818
0.643	0.647	0.633	0.632	0.642	0.647	0.652	0.641	0.625	0.644	0.627	0.631	0.621	0.629
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
J34	J35	J36	J37	J38	J39	J40	J41	J42	J13	J14	J16	J17	J18
24.70	24.83	24.94	24.55	24.48	24.48	24.55	24.50	24.57	24.30	23.98	24.24	24.45	24.19

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.03	0.04	0.04	0.01	0.06	0.07	0.04	0.03	0.05	0.00	0.04	0.04	0.07	0.08
20.72	20.46	20.21	20.64	20.86	20.56	20.74	20.52	20.68	20.51	20.65	21.00	21.13	21.42
0.02	0.03	0.01	0.00	0.03	0.01	0.04	0.00	0.03	0.04	0.02	0.05	0.00	0.04
31.86	32.34	31.83	31.71	32.20	32.31	32.00	31.97	32.07	33.34	33.34	32.67	32.56	32.28
0.20	0.15	0.09	0.17	0.20	0.20	0.20	0.27	0.13	0.10	0.07	0.08	0.05	0.07
10.21	10.13	10.29	9.94	9.82	9.89	9.92	9.85	10.04	9.51	9.57	9.70	9.73	9.57
0.01	0.04	0.00	0.00	0.03	0.01	0.00	0.02	0.00	0.07	0.03	0.00	0.01	0.00
0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.04	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.03	0.00	0.01	0.00
87.75	88.04	87.42	87.08	87.68	87.53	87.50	87.15	87.58	87.88	87.73	87.77	88.02	87.64
5.397	5.420	5.467	5.407	5.366	5.382	5.386	5.403	5.387	5.352	5.295	5.321	5.341	5.302
2.603	2.580	2.533	2.593	2.634	2.618	2.614	2.597	2.613	2.648	2.705	2.679	2.659	2.698
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.733	2.685	2.689	2.765	2.755	2.708	2.750	2.735	2.731	2.676	2.669	2.752	2.782	2.836
0.004	0.005	0.002	0.000	0.005	0.001	0.008	0.000	0.006	0.007	0.003	0.008	0.000	0.008
5.821	5.905	5.837	5.839	5.903	5.940	5.872	5.895	5.880	6.141	6.156	5.996	5.949	5.918
0.037	0.027	0.017	0.032	0.037	0.036	0.037	0.050	0.024	0.019	0.014	0.014	0.010	0.012
3.327	3.297	3.361	3.262	3.210	3.242	3.245	3.236	3.281	3.123	3.151	3.175	3.169	3.127
0.004	0.006	0.006	0.002	0.010	0.011	0.006	0.005	0.007	0.000	0.006	0.007	0.012	0.013
11.926	11.924	11.912	11.900	11.919	11.939	11.918	11.921	11.929	11.965	11.999	11.953	11.922	11.914
0.003	0.010	0.005	0.004	0.005	0.003	0.006	0.002	0.003	0.004	0.008	0.000	0.003	0.000
0.000	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.002	0.010	0.000	0.000	0.006	0.002	0.000	0.004	0.000	0.016	0.007	0.000	0.002	0.000
19.931	19.945	19.917	19.923	19.930	19.945	19.925	19.927	19.933	19.985	20.014	19.953	19.928	19.914
5.336	5.265	5.222	5.358	5.389	5.327	5.364	5.332	5.344	5.324	5.374	5.431	5.441	5.533
2.745	2.701	2.703	2.770	2.779	2.732	2.770	2.745	2.751	2.682	2.685	2.774	2.807	2.870
0.636	0.642	0.635	0.642	0.648	0.647	0.644	0.646	0.642	0.663	0.661	0.654	0.652	0.654
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Cld	Cld	Cld	Cld	Cld
J77	J79	J80	J81	J82	J83	J84	J85	J86	J87	J88	J89	J90	J49
24.70	24.55	24.55	24.42	24.57	24.46	24.32	24.32	24.44	24.53	24.46	24.73	25.13	24.78
0.06	0.05	0.04	0.02	0.02	0.00	0.02	0.04	0.02	0.04	0.01	0.03	0.03	0.04
21.04	21.02	20.97	21.01	20.91	21.22	21.26	21.18	21.27	20.88	20.99	20.70	20.72	20.77

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.03	0.05	0.00	0.05	0.02	0.06	0.02	0.03	0.02	0.02	0.00	0.00	0.04	0.07
32.58	32.05	32.37	31.96	32.05	31.82	32.42	32.68	32.46	31.71	31.78	31.94	31.45	32.35
0.11	0.06	0.06	0.05	0.10	0.10	0.13	0.06	0.10	0.07	0.09	0.08	0.09	0.26
10.16	9.99	9.94	9.94	9.93	9.34	9.43	9.77	9.58	9.96	9.95	10.14	10.48	9.51
0.00	0.02	0.03	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.05	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
0.00	0.00	0.02	0.02	0.00	0.01	0.03	0.02	0.02	0.01	0.00	0.01	0.02	0.03
88.67	87.80	87.98	87.46	87.61	87.02	87.65	88.09	87.91	87.24	87.29	87.65	88.01	87.83
5.353	5.362	5.361	5.356	5.381	5.387	5.337	5.314	5.343	5.386	5.370	5.409	5.453	5.425
2.647	2.638	2.639	2.644	2.619	2.613	2.663	2.686	2.657	2.614	2.630	2.591	2.547	2.575
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.727	2.776	2.759	2.788	2.779	2.896	2.836	2.770	2.824	2.790	2.802	2.745	2.752	2.783
0.005	0.008	0.000	0.009	0.003	0.010	0.004	0.005	0.004	0.004	0.000	0.000	0.007	0.013
5.904	5.856	5.913	5.861	5.869	5.861	5.949	5.973	5.936	5.824	5.835	5.842	5.707	5.922
0.019	0.011	0.011	0.009	0.018	0.018	0.024	0.010	0.018	0.013	0.016	0.016	0.017	0.047
3.284	3.254	3.235	3.249	3.241	3.068	3.085	3.183	3.123	3.262	3.255	3.307	3.390	3.103
0.010	0.008	0.006	0.003	0.003	0.000	0.004	0.006	0.003	0.006	0.001	0.005	0.004	0.007
11.949	11.914	11.924	11.919	11.913	11.852	11.902	11.947	11.908	11.899	11.909	11.914	11.876	11.875
0.000	0.000	0.005	0.004	0.001	0.004	0.009	0.006	0.005	0.002	0.000	0.004	0.005	0.008
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.007
0.000	0.006	0.007	0.000	0.002	0.000	0.001	0.000	0.001	0.003	0.005	0.002	0.011	0.000
19.949	19.919	19.937	19.923	19.916	19.856	19.912	19.952	19.914	19.905	19.914	19.921	19.892	19.891
5.374	5.413	5.398	5.432	5.398	5.508	5.499	5.456	5.481	5.403	5.431	5.336	5.299	5.358
2.750	2.799	2.771	2.802	2.787	2.905	2.847	2.787	2.833	2.806	2.803	2.754	2.767	2.809
0.643	0.643	0.646	0.643	0.644	0.656	0.658	0.652	0.655	0.641	0.642	0.639	0.627	0.656
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld
													Ms

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

C80													
24.74													
0.24													
21.57													
0.00													
28.26													
0.32													
12.15													
0.01													
0.00													
0.00													
87.30													
5.328													
2.672													
8.000													
2.804													
0.000													
5.090													
0.059													
3.901													
0.039													
11.892													
0.001													
0.000													
0.003													
19.896													
5.476													
0.566													
2.882													
Chl													
Ilm													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

C46													
24.81													
0.04													
20.98													
0.00													
28.77													
0.29													
11.81													
0.03													
0.01													
0.02													
86.75													
5.397													
2.603													
8.000													
2.774													
0.001													
5.233													
0.054													
3.830													
0.006													
11.898													
0.007													
0.003													
0.006													
19.913													
5.378													
0.577													
2.787													
Chl													
Ms													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

r28	r29	r30	r31	r32	r33	r34	r35	r36					
23.79	24.11	23.93	23.95	23.77	23.74	23.32	23.53	23.64					
0.08	0.07	0.06	0.09	0.10	0.04	0.06	0.05	0.04					

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

22.40	22.81	22.59	22.47	22.35	22.11	22.57	22.33	22.16					
0.00	0.00	0.00	0.00	0.00	0.05	0.03	0.05	0.02					
30.40	30.68	30.36	29.91	30.94	30.69	30.30	31.01	29.62					
0.28	0.26	0.24	0.25	0.18	0.23	0.20	0.25	0.18					
9.82	9.90	9.86	9.84	10.11	9.94	9.92	10.22	9.99					
0.02	0.02	0.00	0.00	0.00	0.03	0.01	0.00	0.00					
0.00	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.01					
0.02	0.00	0.04	0.02	0.02	0.02	0.03	0.02	0.03					
86.80	87.87	87.11	86.54	87.47	86.85	86.44	87.47	85.70					
5.220	5.220	5.225	5.252	5.187	5.218	5.141	5.145	5.237					
2.780	2.780	2.775	2.748	2.813	2.782	2.859	2.855	2.763					
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000					
3.011	3.040	3.039	3.061	2.936	2.945	3.007	2.898	3.023					
0.001	0.000	0.000	0.000	0.000	0.008	0.005	0.009	0.004					
5.577	5.556	5.544	5.485	5.646	5.641	5.587	5.670	5.488					
0.051	0.048	0.045	0.046	0.034	0.043	0.038	0.045	0.034					
3.212	3.196	3.209	3.216	3.289	3.255	3.261	3.332	3.298					
0.012	0.011	0.010	0.014	0.016	0.006	0.010	0.009	0.007					
11.864	11.851	11.847	11.822	11.919	11.899	11.907	11.962	11.855					
0.006	0.000	0.010	0.005	0.006	0.005	0.007	0.007	0.009					
0.000	0.006	0.011	0.008	0.000	0.000	0.000	0.000	0.002					
0.005	0.005	0.000	0.001	0.001	0.007	0.002	0.000	0.000					
19.875	19.862	19.868	19.836	19.926	19.911	19.917	19.969	19.866					
5.791	5.820	5.814	5.809	5.749	5.728	5.865	5.753	5.786					
3.036	3.062	3.059	3.089	2.968	2.965	3.032	2.925	3.041					
0.635	0.635	0.633	0.630	0.632	0.634	0.631	0.630	0.625					
Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.					
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms					
r189	r190	r191	r192	r193	r194	r195	r196	r197	r130	r131	r132	r133	r134
23.69	23.84	23.75	24.01	23.61	23.39	23.85	23.55	23.51	23.74	23.73	23.97	23.26	23.74
0.12	0.13	0.24	0.25	0.08	0.07	0.09	0.10	0.09	0.07	0.05	0.04	0.04	0.03
22.20	22.48	22.35	22.48	22.62	22.30	22.67	22.36	22.53	21.87	22.50	22.43	22.07	22.06
0.08	0.03	0.00	0.00	0.07	0.00	0.07	0.00	0.00	0.04	0.00	0.02	0.00	0.01

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31.24	31.39	31.11	31.25	31.72	31.07	30.91	31.78	31.12	31.70	31.91	31.90	30.88	31.03
0.16	0.21	0.24	0.18	0.19	0.20	0.21	0.18	0.25	0.22	0.17	0.21	0.17	0.16
10.05	10.10	10.29	10.28	9.95	9.78	10.03	9.78	10.07	10.34	10.10	10.03	9.63	10.03
0.02	0.00	0.02	0.04	0.02	0.02	0.01	0.00	0.01	0.00	0.00	0.02	0.00	0.00
0.00	0.04	0.00	0.01	0.02	0.03	0.06	0.01	0.00	0.04	0.05	0.04	0.00	0.01
0.01	0.00	0.00	0.01	0.00	0.00	0.05	0.00	0.00	0.03	0.03	0.04	0.04	0.03
87.57	88.21	88.00	88.52	88.29	86.87	87.93	87.76	87.58	88.04	88.54	88.69	86.10	87.09
5.176	5.167	5.157	5.178	5.126	5.152	5.174	5.149	5.133	5.175	5.141	5.180	5.171	5.209
2.824	2.833	2.843	2.822	2.874	2.848	2.826	2.851	2.867	2.825	2.859	2.820	2.829	2.791
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.891	2.911	2.877	2.894	2.914	2.943	2.970	2.909	2.931	2.793	2.884	2.893	2.953	2.914
0.014	0.006	0.000	0.000	0.012	0.000	0.012	0.000	0.000	0.007	0.000	0.003	0.001	0.002
5.708	5.689	5.650	5.638	5.759	5.724	5.608	5.810	5.681	5.778	5.780	5.766	5.741	5.695
0.030	0.038	0.044	0.033	0.034	0.038	0.039	0.033	0.046	0.041	0.032	0.039	0.033	0.030
3.272	3.263	3.330	3.304	3.219	3.213	3.244	3.187	3.279	3.359	3.262	3.231	3.192	3.280
0.020	0.022	0.039	0.041	0.013	0.012	0.014	0.016	0.014	0.012	0.008	0.006	0.006	0.006
11.934	11.929	11.940	11.909	11.951	11.929	11.887	11.954	11.952	11.988	11.965	11.938	11.925	11.927
0.004	0.000	0.000	0.003	0.000	0.000	0.012	0.000	0.001	0.007	0.008	0.010	0.010	0.008
0.000	0.015	0.000	0.006	0.010	0.013	0.023	0.002	0.000	0.018	0.021	0.018	0.000	0.003
0.004	0.000	0.004	0.010	0.006	0.005	0.003	0.000	0.002	0.000	0.000	0.005	0.001	0.000
19.942	19.944	19.944	19.928	19.966	19.947	19.926	19.957	19.954	20.014	19.994	19.970	19.937	19.938
5.715	5.743	5.720	5.716	5.788	5.790	5.796	5.760	5.798	5.618	5.743	5.713	5.782	5.705
2.945	2.961	2.955	2.976	2.952	2.967	3.010	2.941	2.959	2.823	2.900	2.908	2.966	2.927
0.636	0.636	0.629	0.631	0.641	0.640	0.634	0.646	0.634	0.632	0.639	0.641	0.643	0.635
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.
Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ms	Ms	Ms	Ms	Ms

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

r66	r198	r199	r200	r201	r202	r203	r204	r205	r206	r207	r209	r210	r211
24.15	23.60	23.83	23.76	23.83	23.74	23.66	23.64	23.56	23.65	23.59	23.57	23.45	23.41
0.08	0.19	0.19	0.17	0.23	0.29	0.26	0.40	0.41	0.21	0.20	0.07	0.06	0.05
22.03	22.18	22.23	22.64	21.92	22.19	21.98	22.05	22.22	22.13	21.61	22.86	22.30	22.49
0.01	0.03	0.01	0.03	0.01	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.03	0.02
31.07	31.14	31.44	30.95	30.96	30.72	30.37	31.08	30.78	30.74	30.35	31.07	30.88	30.47
0.25	0.31	0.29	0.37	0.28	0.35	0.30	0.29	0.28	0.29	0.36	0.29	0.29	0.31
10.60	10.36	10.44	10.36	10.44	10.64	10.39	10.55	10.33	10.49	10.32	10.24	10.43	10.31
0.03	0.04	0.02	0.02	0.02	0.04	0.00	0.00	0.03	0.02	0.02	0.00	0.00	0.00

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.01	0.03	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.02	0.04	0.00	0.00	0.01
0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.02	0.00	0.02	0.02	0.02
88.25	87.87	88.45	88.29	87.72	87.96	86.99	88.02	87.65	87.58	86.48	88.13	87.47	87.09
5.224	5.142	5.158	5.139	5.193	5.151	5.186	5.137	5.134	5.158	5.209	5.108	5.126	5.128
2.776	2.858	2.842	2.861	2.807	2.849	2.814	2.863	2.866	2.842	2.791	2.892	2.874	2.872
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.841	2.834	2.828	2.908	2.822	2.826	2.864	2.787	2.842	2.846	2.834	2.948	2.872	2.935
0.001	0.006	0.001	0.004	0.002	0.000	0.002	0.001	0.003	0.000	0.000	0.001	0.006	0.003
5.621	5.673	5.690	5.597	5.641	5.576	5.567	5.649	5.610	5.607	5.604	5.633	5.645	5.583
0.047	0.056	0.053	0.068	0.052	0.064	0.056	0.054	0.051	0.054	0.067	0.053	0.054	0.058
3.418	3.363	3.367	3.339	3.391	3.441	3.395	3.417	3.358	3.409	3.398	3.309	3.399	3.368
0.013	0.030	0.031	0.027	0.037	0.047	0.043	0.065	0.068	0.035	0.032	0.012	0.010	0.009
11.941	11.963	11.970	11.942	11.945	11.954	11.927	11.973	11.932	11.951	11.935	11.956	11.985	11.955
0.009	0.000	0.000	0.001	0.004	0.000	0.000	0.000	0.005	0.005	0.000	0.006	0.006	0.005
0.003	0.014	0.000	0.000	0.007	0.000	0.010	0.000	0.000	0.009	0.015	0.001	0.000	0.003
0.006	0.009	0.006	0.005	0.004	0.010	0.000	0.000	0.008	0.005	0.004	0.000	0.000	0.000
19.960	19.986	19.976	19.948	19.960	19.964	19.937	19.973	19.945	19.970	19.954	19.962	19.991	19.962
5.617	5.693	5.670	5.769	5.629	5.675	5.678	5.649	5.709	5.689	5.624	5.840	5.746	5.807
2.868	2.900	2.891	2.966	2.898	2.920	2.952	2.918	2.981	2.916	2.898	2.973	2.898	2.955
0.622	0.628	0.628	0.626	0.625	0.618	0.621	0.623	0.626	0.622	0.623	0.630	0.624	0.624
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl stat.	Chl stat.	Chl stat.
Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ms	Ms	Ms
G28	G30	G31	G32	G33	G34	G35	G36	G37	G38	G39	G40	G41	
24.50	24.69	25.09	24.96	24.82	24.59	24.82	24.50	24.88	24.72	24.72	24.93	24.82	
0.08	0.07	0.07	0.09	0.07	0.07	0.10	0.07	0.06	0.06	0.06	0.09	0.10	
21.88	21.86	21.93	21.45	21.98	21.76	21.54	21.95	21.77	21.83	21.99	22.06	21.66	
0.03	0.00	0.01	0.00	0.00	0.00	0.04	0.03	0.00	0.01	0.02	0.00	0.00	
26.94	26.71	26.84	26.57	27.15	26.81	26.83	26.83	26.83	26.54	26.69	26.96	26.83	
0.24	0.25	0.17	0.21	0.22	0.22	0.22	0.23	0.21	0.23	0.24	0.25	0.22	
13.48	13.55	13.65	13.94	13.63	13.61	13.50	13.63	13.49	13.72	13.55	13.44	13.71	
0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.04	
0.00	0.02	0.02	0.01	0.02	0.00	0.01	0.00	0.00	0.00	0.06	0.00	0.00	
0.04	0.03	0.03	0.00	0.04	0.02	0.03	0.01	0.06	0.04	0.04	0.03	0.01	

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

87.19	87.17	87.82	87.23	87.94	87.10	87.10	87.24	87.32	87.16	87.38	87.77	87.40	
5.248	5.281	5.321	5.328	5.270	5.268	5.317	5.241	5.312	5.283	5.273	5.296	5.297	
2.752	2.719	2.679	2.672	2.730	2.732	2.683	2.759	2.688	2.717	2.727	2.704	2.703	
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	
2.774	2.791	2.802	2.725	2.770	2.763	2.756	2.774	2.792	2.781	2.803	2.818	2.745	
0.005	0.000	0.002	0.001	0.000	0.000	0.007	0.005	0.000	0.002	0.003	0.000	0.000	
4.826	4.778	4.759	4.743	4.821	4.804	4.806	4.800	4.791	4.743	4.763	4.789	4.788	
0.043	0.045	0.031	0.037	0.039	0.040	0.041	0.041	0.038	0.041	0.044	0.045	0.041	
4.306	4.320	4.314	4.436	4.315	4.348	4.312	4.348	4.294	4.371	4.309	4.256	4.361	
0.013	0.011	0.011	0.014	0.011	0.012	0.016	0.011	0.010	0.010	0.010	0.014	0.016	
11.967	11.945	11.918	11.956	11.957	11.967	11.937	11.978	11.925	11.949	11.932	11.923	11.952	
0.012	0.007	0.008	0.001	0.011	0.006	0.009	0.002	0.016	0.010	0.011	0.008	0.004	
0.000	0.009	0.009	0.006	0.008	0.000	0.004	0.000	0.002	0.002	0.026	0.000	0.000	
0.000	0.000	0.000	0.000	0.002	0.003	0.000	0.000	0.004	0.002	0.000	0.002	0.009	
19.979	19.961	19.936	19.963	19.979	19.976	19.950	19.980	19.947	19.962	19.969	19.933	19.964	
5.526	5.510	5.481	5.397	5.500	5.495	5.439	5.533	5.480	5.498	5.530	5.522	5.449	
2.806	2.813	2.825	2.754	2.793	2.786	2.795	2.801	2.812	2.804	2.826	2.847	2.778	
0.528	0.525	0.525	0.517	0.528	0.525	0.527	0.525	0.527	0.520	0.525	0.529	0.523	
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	
Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	
P12	P13	P14	P15	P15a	P16	P17	P18	P19	P20	P21	P22	P23	P25
24.45	24.00	24.90	24.38	24.72	24.67	24.81	24.71	24.65	24.74	24.80	24.67	24.87	24.56
0.12	0.05	0.06	0.08	0.08	0.12	0.08	0.07	0.07	0.09	0.07	0.09	0.10	0.09
21.81	21.41	21.49	21.85	21.51	21.36	21.49	21.63	21.83	21.77	21.64	21.83	21.81	21.64
0.06	0.04	0.00	0.04	0.00	0.04	0.01	0.04	0.03	0.07	0.05	0.03	0.00	0.00
27.23	27.35	27.09	27.40	27.30	27.11	27.31	27.39	27.79	27.33	27.43	27.39	26.58	27.07
0.26	0.35	0.24	0.26	0.21	0.30	0.25	0.27	0.35	0.26	0.31	0.27	0.23	0.28
13.17	12.83	13.38	12.90	13.14	13.23	13.22	12.89	13.28	13.08	13.04	13.10	13.41	13.09
0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.02	0.02	0.00	0.00	0.06	0.00	0.01
0.00	0.03	0.00	0.00	0.00	0.02	0.06	0.00	0.02	0.00	0.03	0.00	0.02	0.00
0.08	0.02	0.00	0.00	0.00	0.02	0.01	0.03	0.04	0.04	0.03	0.02	0.01	0.03
87.18	86.07	87.17	86.90	86.97	86.88	87.24	87.03	88.09	87.37	87.40	87.45	87.02	86.76

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5.250	5.238	5.333	5.255	5.317	5.312	5.321	5.315	5.251	5.298	5.313	5.280	5.320	5.292
2.750	2.762	2.667	2.745	2.683	2.688	2.679	2.685	2.749	2.702	2.687	2.720	2.680	2.708
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.770	2.744	2.760	2.805	2.769	2.734	2.753	2.798	2.732	2.791	2.777	2.786	2.820	2.790
0.010	0.006	0.000	0.006	0.000	0.007	0.002	0.006	0.005	0.012	0.008	0.005	0.000	0.000
4.890	4.992	4.853	4.940	4.910	4.883	4.897	4.927	4.951	4.893	4.914	4.902	4.755	4.880
0.048	0.064	0.043	0.047	0.039	0.055	0.045	0.048	0.064	0.048	0.055	0.050	0.042	0.051
4.217	4.174	4.274	4.144	4.212	4.247	4.226	4.132	4.216	4.174	4.164	4.179	4.276	4.205
0.019	0.008	0.010	0.012	0.012	0.019	0.013	0.011	0.011	0.014	0.011	0.014	0.016	0.014
11.955	11.989	11.940	11.954	11.941	11.947	11.936	11.922	11.980	11.931	11.929	11.935	11.908	11.940
0.021	0.006	0.000	0.001	0.000	0.007	0.003	0.007	0.010	0.011	0.008	0.004	0.002	0.007
0.000	0.011	0.000	0.000	0.000	0.007	0.024	0.000	0.007	0.000	0.013	0.000	0.010	0.000
0.000	0.001	0.003	0.001	0.004	0.000	0.000	0.004	0.005	0.000	0.000	0.013	0.000	0.002
19.976	20.007	19.943	19.956	19.945	19.960	19.962	19.933	20.003	19.941	19.950	19.953	19.919	19.949
5.520	5.507	5.426	5.550	5.451	5.422	5.432	5.483	5.481	5.492	5.464	5.506	5.500	5.498
2.818	2.766	2.780	2.835	2.793	2.779	2.781	2.826	2.759	2.831	2.807	2.819	2.852	2.818
0.537	0.545	0.532	0.544	0.538	0.535	0.537	0.544	0.540	0.540	0.541	0.540	0.527	0.537
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
P123	P124	P125	P126	P127	P128	P129	P130	P132	P133	P134	P135	P136	P137
24.80	24.46	24.58	24.07	24.62	24.62	23.93	23.99	24.38	24.34	23.86	24.03	23.86	23.73
0.09	0.07	0.07	0.07	0.06	0.05	0.15	0.14	0.09	0.08	0.19	0.14	0.05	0.06
21.15	21.18	20.83	20.98	21.50	21.19	21.77	21.56	21.69	21.10	21.70	21.73	21.76	21.80
0.02	0.01	0.00	0.00	0.05	0.02	0.02	0.00	0.00	0.00	0.03	0.01	0.00	0.00
29.85	29.62	29.58	29.49	29.77	29.83	29.49	29.50	29.36	30.13	29.67	30.04	29.64	29.81
0.19	0.19	0.18	0.16	0.16	0.17	0.20	0.16	0.19	0.16	0.15	0.11	0.12	0.16
11.55	11.34	11.38	11.23	11.42	11.50	11.30	11.29	11.38	10.96	11.49	11.30	11.31	11.27
0.00	0.04	0.08	0.01	0.00	0.00	0.02	0.02	0.04	0.01	0.06	0.00	0.00	0.00
0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.02	0.00	0.01	0.01	0.00
0.03	0.05	0.01	0.02	0.03	0.01	0.01	0.00	0.02	0.00	0.00	0.01	0.03	0.01
87.66	86.96	86.72	86.05	87.60	87.40	86.89	86.65	87.16	86.80	87.14	87.37	86.78	86.84
5.362	5.334	5.375	5.310	5.325	5.342	5.222	5.250	5.292	5.332	5.198	5.225	5.218	5.193

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2.638	2.666	2.625	2.690	2.675	2.658	2.778	2.750	2.708	2.668	2.802	2.775	2.782	2.807
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.751	2.777	2.744	2.765	2.804	2.759	2.822	2.810	2.842	2.780	2.768	2.795	2.826	2.814
0.003	0.002	0.000	0.000	0.008	0.004	0.004	0.000	0.001	0.000	0.006	0.002	0.000	0.000
5.399	5.403	5.410	5.441	5.384	5.413	5.383	5.399	5.329	5.520	5.405	5.462	5.420	5.456
0.035	0.035	0.033	0.030	0.030	0.031	0.036	0.029	0.035	0.030	0.028	0.021	0.022	0.029
3.722	3.688	3.709	3.694	3.682	3.720	3.675	3.682	3.683	3.580	3.732	3.661	3.687	3.676
0.014	0.011	0.011	0.011	0.010	0.008	0.025	0.023	0.015	0.013	0.031	0.022	0.009	0.010
11.924	11.916	11.908	11.941	11.918	11.934	11.946	11.942	11.904	11.923	11.970	11.964	11.964	11.985
0.007	0.013	0.003	0.006	0.008	0.003	0.002	0.000	0.004	0.001	0.000	0.001	0.007	0.001
0.000	0.000	0.002	0.009	0.000	0.007	0.000	0.000	0.006	0.008	0.000	0.006	0.005	0.000
0.000	0.010	0.019	0.003	0.000	0.000	0.004	0.005	0.008	0.003	0.013	0.000	0.000	0.000
19.931	19.939	19.932	19.959	19.925	19.945	19.952	19.947	19.923	19.936	19.984	19.971	19.975	19.987
5.389	5.443	5.369	5.455	5.479	5.417	5.600	5.560	5.550	5.448	5.571	5.570	5.608	5.621
2.782	2.801	2.766	2.787	2.832	2.779	2.876	2.856	2.873	2.806	2.836	2.841	2.844	2.834
0.592	0.594	0.593	0.596	0.594	0.593	0.594	0.595	0.591	0.607	0.592	0.599	0.595	0.597
Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm
P86	P87	P88	P89	P90	P91	P92	P93	P94					
24.26	24.55	24.48	24.73	24.78	24.55	24.44	25.08	24.73					
0.04	0.09	0.09	0.06	0.05	0.04	0.08	0.07	0.11					
21.63	21.46	21.17	21.07	21.18	21.24	21.12	21.35	21.07					
0.05	0.00	0.00	0.04	0.04	0.00	0.01	0.03	0.00					
28.97	28.62	29.06	28.69	28.63	28.69	28.98	28.71	27.79					
0.24	0.24	0.20	0.25	0.27	0.25	0.21	0.29	0.20					
11.77	11.70	12.00	11.76	12.00	11.95	11.82	12.12	12.00					
0.03	0.02	0.00	0.01	0.03	0.02	0.01	0.04	0.00					
0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.04	0.00					
0.04	0.03	0.00	0.05	0.00	0.01	0.02	0.00	0.03					
87.04	86.71	86.99	86.66	86.99	86.74	86.68	87.74	85.92					
5.270	5.336	5.318	5.383	5.370	5.338	5.329	5.383	5.401					
2.730	2.664	2.682	2.617	2.630	2.662	2.671	2.617	2.599					

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8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000					
2.806	2.836	2.739	2.788	2.777	2.783	2.757	2.784	2.825					
0.008	0.000	0.000	0.008	0.007	0.001	0.002	0.005	0.000					
5.262	5.203	5.280	5.223	5.187	5.219	5.285	5.153	5.077					
0.044	0.044	0.037	0.046	0.050	0.045	0.039	0.053	0.036					
3.811	3.793	3.887	3.816	3.876	3.873	3.843	3.879	3.909					
0.006	0.014	0.014	0.010	0.008	0.007	0.013	0.011	0.018					
11.938	11.890	11.957	11.891	11.905	11.928	11.939	11.886	11.865					
0.011	0.007	0.000	0.013	0.000	0.002	0.005	0.000	0.008					
0.001	0.002	0.000	0.002	0.008	0.000	0.000	0.015	0.000					
0.008	0.005	0.000	0.003	0.006	0.004	0.002	0.010	0.000					
19.958	19.904	19.957	19.908	19.919	19.933	19.946	19.910	19.873					
5.537	5.499	5.421	5.405	5.407	5.444	5.427	5.401	5.424					
2.826	2.864	2.767	2.816	2.800	2.798	2.785	2.811	2.861					
0.580	0.578	0.576	0.578	0.572	0.574	0.579	0.571	0.565					
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl					
Ms	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz					
L30	L31	L32	L33	L34	L35	L36	L37	L38	L39	L40	L41		
23.81	23.92	23.78	23.50	23.57	23.45	23.75	23.22	22.92	22.96	23.27	22.98		
0.09	0.10	0.08	0.07	0.06	0.08	0.10	0.09	0.07	0.09	0.06	0.08		
22.67	22.84	22.62	22.81	22.70	22.60	23.09	22.54	22.42	22.48	22.64	22.66		
0.05	0.00	0.01	0.00	0.05	0.02	0.02	0.06	0.02	0.06	0.02	0.00		
30.94	30.53	30.76	29.91	30.83	30.54	30.90	30.19	30.64	30.56	30.20	30.41		
0.04	0.09	0.08	0.07	0.09	0.11	0.09	0.07	0.05	0.04	0.11	0.00		
10.54	10.52	10.34	10.32	10.50	10.46	10.49	10.33	10.47	10.49	10.41	10.56		
0.01	0.00	0.01	0.04	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00		
0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.03	0.04	0.00		
0.02	0.04	0.06	0.05	0.02	0.03	0.03	0.02	0.04	0.03	0.04	0.03		
88.17	88.05	87.73	86.75	87.83	87.32	88.47	86.52	86.63	86.74	86.78	86.73		
5.147	5.165	5.165	5.143	5.118	5.118	5.112	5.110	5.057	5.057	5.106	5.052		
2.853	2.835	2.835	2.857	2.882	2.882	2.888	2.890	2.943	2.943	2.894	2.948		
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000		
2.922	2.975	2.955	3.026	2.928	2.932	2.971	2.958	2.886	2.891	2.962	2.925		

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0.008	0.000	0.002	0.000	0.009	0.003	0.003	0.010	0.004	0.011	0.003	0.000		
5.593	5.513	5.586	5.475	5.598	5.574	5.562	5.557	5.653	5.628	5.541	5.592		
0.008	0.017	0.014	0.013	0.016	0.019	0.016	0.012	0.009	0.008	0.021	0.000		
3.396	3.386	3.346	3.366	3.398	3.405	3.367	3.391	3.442	3.443	3.405	3.462		
0.015	0.016	0.013	0.011	0.010	0.013	0.016	0.015	0.011	0.014	0.010	0.014		
11.942	11.908	11.916	11.890	11.959	11.946	11.935	11.942	12.007	11.995	11.942	11.993		
0.005	0.012	0.016	0.012	0.005	0.007	0.009	0.007	0.011	0.009	0.010	0.009		
0.000	0.000	0.000	0.000	0.002	0.012	0.001	0.000	0.000	0.014	0.015	0.000		
0.002	0.000	0.002	0.008	0.000	0.004	0.000	0.000	0.003	0.000	0.000	0.000		
19.949	19.920	19.934	19.911	19.967	19.970	19.946	19.949	20.020	20.018	19.967	20.002		
5.774	5.811	5.790	5.883	5.810	5.814	5.859	5.848	5.829	5.834	5.855	5.872		
2.960	3.007	2.983	3.048	2.957	2.961	3.006	2.998	2.912	2.930	2.985	2.953		
0.622	0.620	0.625	0.619	0.622	0.621	0.623	0.621	0.622	0.620	0.619	0.618		
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl		
Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt		
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms		
L96	L97												
23.71	23.67												
0.09	0.07												
22.92	22.27												
0.07	0.04												
30.76	30.09												
0.08	0.07												
10.55	10.71												
0.02	0.01												
0.03	0.03												
0.00	0.03												
88.24	86.99												
5.118	5.174												
2.882	2.826												
8.000	8.000												
2.948	2.911												
0.011	0.008												

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5.552	5.499												
0.014	0.012												
3.395	3.489												
0.015	0.011												
11.936	11.930												
0.001	0.008												
0.011	0.011												
0.005	0.002												
19.953	19.952												
5.831	5.737												
2.989	2.941												
0.621	0.612												
Chl	Chl												
Bt	Bt												
Ms	Ms												
S157	S158	S169	S170	S171	S172	S173	S174	S159	S160	S161	S162	S163	S164
23.97	24.40	24.33	23.96	23.61	24.12	24.44	23.93	23.34	22.89	22.86	23.20	23.03	22.61
0.08	0.06	0.11	0.08	0.07	0.10	0.09	0.05	0.06	0.27	0.26	0.09	0.06	0.13
22.48	22.75	21.77	22.58	22.94	22.04	22.07	23.12	21.49	22.11	22.22	21.29	21.59	21.52
0.02	0.00	0.00	0.00	0.00	0.03	0.04	0.01	0.00	0.03	0.03	0.03	0.03	0.03
31.49	31.22	30.94	31.57	31.93	31.27	31.46	31.64	37.69	37.02	37.46	38.56	38.47	37.28
0.08	0.16	0.13	0.15	0.11	0.11	0.06	0.12	0.58	0.52	0.55	0.56	0.57	0.58
9.92	9.89	10.14	9.49	9.48	10.07	9.90	9.44	5.41	6.09	5.73	5.06	5.24	5.41
0.01	0.04	0.00	0.03	0.00	0.00	0.00	0.00	0.03	0.03	0.02	0.04	0.00	0.05
0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.01	0.01
0.02	0.02	0.00	0.03	0.03	0.00	0.02	0.08	0.00	0.00	0.00	0.02	0.02	0.03
88.09	88.54	87.42	87.94	88.18	87.77	88.11	88.40	88.62	89.00	89.16	88.88	89.04	87.66
5.202	5.249	5.304	5.211	5.131	5.249	5.297	5.174	5.233	5.094	5.089	5.217	5.166	5.135
2.798	2.751	2.696	2.789	2.869	2.751	2.703	2.826	2.767	2.906	2.911	2.783	2.834	2.865
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.951	3.017	2.900	3.000	3.008	2.903	2.933	3.064	2.912	2.892	2.918	2.859	2.872	2.895
0.003	0.001	0.000	0.000	0.000	0.006	0.007	0.001	0.000	0.005	0.005	0.005	0.005	0.004
5.715	5.618	5.642	5.743	5.803	5.692	5.702	5.721	7.067	6.888	6.974	7.250	7.215	7.079

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0.015	0.028	0.024	0.028	0.021	0.020	0.012	0.022	0.111	0.097	0.103	0.107	0.109	0.111
3.209	3.171	3.296	3.077	3.070	3.268	3.197	3.044	1.809	2.019	1.901	1.696	1.752	1.831
0.013	0.010	0.018	0.013	0.012	0.016	0.014	0.009	0.011	0.045	0.044	0.015	0.010	0.023
11.905	11.845	11.880	11.860	11.914	11.905	11.864	11.861	11.910	11.947	11.945	11.932	11.963	11.942
0.006	0.005	0.001	0.008	0.009	0.000	0.005	0.021	0.000	0.000	0.000	0.006	0.006	0.007
0.000	0.000	0.000	0.019	0.000	0.000	0.001	0.000	0.000	0.013	0.000	0.000	0.002	0.005
0.002	0.010	0.000	0.008	0.000	0.000	0.000	0.000	0.007	0.007	0.005	0.009	0.001	0.012
19.912	19.860	19.881	19.895	19.923	19.905	19.870	19.882	19.916	19.966	19.950	19.947	19.972	19.966
5.749	5.768	5.595	5.789	5.877	5.654	5.636	5.890	5.679	5.799	5.829	5.642	5.707	5.760
2.980	3.038	2.936	3.026	3.032	2.941	2.968	3.083	2.934	2.987	3.011	2.894	2.897	2.945
0.640	0.639	0.631	0.651	0.654	0.635	0.641	0.653	0.796	0.773	0.786	0.810	0.805	0.795
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt
Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt						
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms						
S189	S190	S191	S192	S201	S202	S203	S205	S206	S207	S208	S209	S210	
24.60	24.28	24.10	24.34	23.51	23.31	23.21	23.47	23.69	23.40	23.88	23.78	23.63	
0.29	0.23	0.42	0.28	0.21	0.20	0.20	0.26	0.08	0.09	0.09	0.09	0.10	
22.19	23.01	22.96	22.14	22.88	22.17	22.62	23.26	22.84	22.82	22.60	22.86	22.41	
0.03	0.02	0.00	0.00	0.00	0.01	0.03	0.04	0.00	0.00	0.00	0.01	0.04	
30.11	30.40	31.26	30.83	31.51	31.15	30.88	30.90	30.62	31.31	31.02	31.06	31.99	
0.05	0.00	0.17	0.06	0.09	0.03	0.08	0.06	0.00	0.15	0.10	0.02	0.32	
11.49	10.53	9.95	10.60	9.76	9.61	9.88	10.19	10.28	9.63	9.93	10.10	9.24	
0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.01	0.01	0.01	0.01	0.02	0.03	
0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00	
0.02	0.00	0.00	0.00	0.02	0.01	0.01	0.02	0.02	0.01	0.02	0.00	0.00	
88.79	88.52	88.85	88.25	87.98	86.55	86.99	88.25	87.57	87.44	87.66	87.95	87.80	
5.249	5.199	5.169	5.248	5.179	5.112	5.157	5.070	5.147	5.120	5.195	5.154	5.173	
2.751	2.801	2.831	2.752	2.821	2.888	2.843	2.930	2.853	2.880	2.805	2.846	2.827	
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	
2.827	3.006	2.973	2.873	3.001	2.975	2.936	2.992	2.995	3.004	2.991	2.993	2.955	
0.005	0.003	0.000	0.000	0.004	0.000	0.001	0.007	0.000	0.001	0.001	0.002	0.007	
5.372	5.443	5.608	5.559	5.709	5.730	5.762	5.582	5.565	5.729	5.644	5.630	5.856	
0.009	0.000	0.030	0.012	0.013	0.017	0.006	0.010	0.000	0.028	0.019	0.004	0.059	

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3.653	3.362	3.183	3.405	3.112	3.164	3.167	3.283	3.331	3.141	3.220	3.265	3.016	
0.046	0.037	0.068	0.045	0.032	0.034	0.033	0.043	0.013	0.014	0.014	0.014	0.016	
11.911	11.852	11.861	11.893	11.871	11.920	11.905	11.918	11.904	11.918	11.888	11.907	11.908	
0.005	0.000	0.000	0.000	0.000	0.005	0.002	0.004	0.005	0.003	0.005	0.001	0.001	
0.000	0.013	0.000	0.002	0.000	0.000	0.000	0.000	0.016	0.003	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	0.006	0.000	0.014	0.002	0.001	0.003	0.002	0.004	0.008	
19.916	19.865	19.861	19.896	19.876	19.925	19.921	19.924	19.927	19.927	19.895	19.912	19.917	
5.578	5.807	5.803	5.625	5.823	5.863	5.779	5.922	5.848	5.884	5.795	5.840	5.782	
2.924	3.083	3.109	2.963	3.069	3.043	3.003	3.085	3.021	3.033	3.020	3.023	2.994	
0.595	0.618	0.638	0.620	0.647	0.644	0.645	0.630	0.626	0.646	0.637	0.633	0.660	
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	
Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	
S50	S51	S52	S53	S54	S55	S56	S57	S58	S59	S9	S10	S11	S12
24.44	24.44	24.59	24.19	24.09	25.03	24.50	24.35	24.26	24.25	23.97	24.16	24.27	23.69
0.19	0.29	0.15	0.26	0.15	0.22	0.12	0.08	0.07	0.06	0.04	0.07	0.09	0.07
23.27	23.58	23.12	23.60	23.58	22.15	23.19	23.12	22.74	23.32	22.69	22.93	23.07	22.31
0.06	0.01	0.02	0.01	0.03	0.09	0.06	0.02	0.01	0.02	0.02	0.00	0.00	0.05
29.13	29.36	30.75	28.76	28.31	29.58	28.73	28.22	28.13	28.16	31.17	29.68	30.36	31.57
0.23	0.21	0.36	0.18	0.19	0.22	0.14	0.11	0.10	0.16	0.33	0.22	0.26	0.42
11.19	11.02	10.53	11.80	11.76	11.29	11.68	11.85	12.17	11.58	9.79	10.93	10.55	9.52
0.00	0.01	0.00	0.01	0.01	0.02	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.02
0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.04	0.03
0.01	0.02	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.02	0.00	0.02	0.01
88.58	88.95	89.54	88.84	88.16	88.68	88.50	87.77	87.49	87.59	88.05	88.00	88.67	87.73
5.199	5.176	5.215	5.118	5.128	5.333	5.204	5.202	5.202	5.190	5.200	5.192	5.193	5.183
2.801	2.824	2.785	2.882	2.872	2.667	2.796	2.798	2.798	2.810	2.800	2.808	2.807	2.817
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
3.034	3.063	2.993	3.004	3.046	2.895	3.008	3.022	2.947	3.074	3.000	3.001	3.011	2.935
0.010	0.002	0.002	0.001	0.006	0.014	0.010	0.003	0.001	0.004	0.004	0.001	0.000	0.009
5.183	5.200	5.453	5.089	5.040	5.270	5.103	5.041	5.044	5.041	5.653	5.336	5.433	5.777
0.042	0.038	0.064	0.033	0.033	0.039	0.024	0.020	0.018	0.029	0.060	0.040	0.047	0.077
3.548	3.479	3.329	3.722	3.733	3.585	3.698	3.774	3.891	3.696	3.165	3.501	3.366	3.106
0.030	0.046	0.023	0.041	0.024	0.035	0.019	0.013	0.011	0.010	0.007	0.012	0.015	0.011

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11.847	11.828	11.866	11.890	11.883	11.838	11.863	11.873	11.912	11.853	11.889	11.890	11.872	11.915
0.003	0.005	0.000	0.001	0.005	0.000	0.007	0.000	0.000	0.000	0.005	0.000	0.005	0.002
0.000	0.000	0.011	0.007	0.000	0.002	0.000	0.000	0.000	0.006	0.000	0.000	0.017	0.011
0.000	0.003	0.000	0.003	0.001	0.004	0.004	0.000	0.002	0.000	0.000	0.001	0.000	0.004
19.850	19.836	19.876	19.901	19.889	19.845	19.874	19.873	19.914	19.859	19.894	19.891	19.893	19.932
5.835	5.887	5.778	5.886	5.918	5.562	5.805	5.820	5.745	5.884	5.800	5.809	5.818	5.752
3.104	3.157	3.041	3.087	3.100	2.979	3.056	3.051	2.970	3.098	3.018	3.026	3.041	2.966
0.594	0.599	0.621	0.578	0.574	0.595	0.580	0.572	0.565	0.577	0.641	0.604	0.617	0.650
Chl Ilm	Chl Ilm	Chl Ilm	Chl Ilm	Chl Ilm	Chl Ilm	Chl Ilm	Chl Ilm	Chl Ilm	Chl Ilm	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt
L27	L28	L29	L30	L31	L32	L33	L34	L35	L36	L37	L38		
23.85	23.62	24.30	24.18	24.04	24.14	24.10	24.53	24.16	24.23	24.29	24.44		
0.06	0.04	0.06	0.05	0.10	0.03	0.06	0.04	0.06	0.09	0.04	0.05		
21.23	21.75	21.35	21.36	21.25	21.14	21.45	21.17	21.55	20.93	21.02	21.42		
0.01	0.00	0.01	0.02	0.02	0.03	0.04	0.00	0.03	0.00	0.02	0.02		
32.39	32.13	32.17	31.96	32.22	32.01	32.67	32.28	32.60	32.10	32.13	31.78		
0.27	0.25	0.26	0.23	0.31	0.29	0.32	0.26	0.27	0.30	0.25	0.28		
9.55	9.46	9.44	9.64	9.25	9.50	9.50	9.94	9.73	9.89	9.64	9.75		
0.04	0.04	0.02	0.03	0.01	0.03	0.00	0.03	0.00	0.00	0.03	0.00		
0.00	0.00	0.04	0.00	0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.02		
0.03	0.04	0.03	0.05	0.01	0.02	0.00	0.03	0.03	0.04	0.08	0.04		
87.42	87.33	87.68	87.51	87.22	87.18	88.16	88.31	88.42	87.58	87.49	87.80		
5.261	5.207	5.327	5.308	5.306	5.325	5.271	5.339	5.262	5.323	5.341	5.337		
2.739	2.793	2.673	2.692	2.694	2.675	2.729	2.661	2.738	2.677	2.659	2.663		
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000		
2.780	2.858	2.843	2.834	2.834	2.819	2.799	2.769	2.794	2.742	2.788	2.848		
0.001	0.000	0.003	0.004	0.004	0.006	0.007	0.000	0.005	0.001	0.003	0.004		
5.974	5.924	5.899	5.865	5.949	5.905	5.976	5.875	5.939	5.897	5.908	5.804		
0.051	0.047	0.049	0.043	0.057	0.054	0.059	0.048	0.049	0.055	0.047	0.051		
3.139	3.109	3.085	3.153	3.046	3.123	3.096	3.226	3.158	3.238	3.159	3.172		
0.011	0.007	0.009	0.008	0.017	0.005	0.010	0.007	0.010	0.014	0.007	0.008		
11.955	11.946	11.888	11.907	11.907	11.912	11.946	11.925	11.956	11.947	11.911	11.887		
0.008	0.011	0.008	0.013	0.004	0.005	0.000	0.009	0.007	0.012	0.021	0.012		

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0.000	0.000	0.015	0.000	0.000	0.000	0.011	0.008	0.000	0.000	0.000	0.010		
0.009	0.010	0.005	0.006	0.002	0.006	0.000	0.006	0.000	0.000	0.006	0.000		
19.973	19.966	19.916	19.926	19.913	19.923	19.957	19.948	19.963	19.959	19.938	19.909		
5.520	5.651	5.516	5.526	5.528	5.494	5.528	5.430	5.532	5.419	5.447	5.511		
2.802	2.871	2.864	2.853	2.872	2.834	2.825	2.783	2.819	2.771	2.804	2.867		
0.656	0.656	0.657	0.650	0.661	0.654	0.659	0.646	0.653	0.646	0.652	0.647		
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl		
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms		
M27a	M28	M29	M30	M31									
24.51	24.39	24.63	24.39	24.35									
0.05	0.06	0.05	0.02	0.04									
21.07	20.85	21.11	20.61	20.82									
0.00	0.00	0.01	0.03	0.02									
32.52	31.49	31.91	31.80	31.80									
0.40	0.41	0.37	0.34	0.30									
9.75	10.09	9.56	9.87	9.75									
0.00	0.00	0.00	0.00	0.04									
0.04	0.03	0.00	0.00	0.01									
0.05	0.03	0.04	0.02	0.02									
88.40	87.35	87.68	87.08	87.16									
5.341	5.355	5.390	5.381	5.367									
2.659	2.645	2.610	2.619	2.633									
8.000	8.000	8.000	8.000	8.000									
2.753	2.751	2.836	2.741	2.775									
0.000	0.000	0.002	0.006	0.003									
5.926	5.783	5.841	5.869	5.860									
0.073	0.077	0.068	0.064	0.056									
3.168	3.304	3.118	3.247	3.205									
0.009	0.010	0.008	0.004	0.007									
11.929	11.926	11.872	11.930	11.906									
0.014	0.007	0.012	0.005	0.006									
0.017	0.012	0.000	0.000	0.006									
0.000	0.001	0.000	0.001	0.009									

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19.959	19.946	19.885	19.935	19.927									
5.412	5.396	5.446	5.359	5.409									
2.770	2.772	2.853	2.754	2.791									
0.652	0.636	0.652	0.644	0.646									
Chl	Chl	Chl	Chl	Chl									
Ms	Ms	Ms	Ms	Ms									
D29	D30	D31	D32	D33	D34	D35	D37	D38	D39	D40	D41	D42	D43
23.52	23.87	23.58	23.27	23.34	23.33	23.47	23.13	23.56	23.33	23.46	24.10	23.98	23.69
0.09	0.08	0.07	0.07	0.06	0.07	0.06	0.07	0.05	0.04	0.07	0.16	0.19	0.07
21.98	22.21	22.25	22.15	21.99	22.23	22.43	21.92	22.24	22.27	22.18	22.05	22.12	22.16
0.04	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.04	0.00	0.00	0.02	0.04	0.07
33.05	32.58	33.22	32.85	32.98	33.30	33.06	32.78	33.14	32.95	32.75	32.64	32.60	32.72
0.26	0.24	0.30	0.28	0.28	0.23	0.33	0.31	0.25	0.33	0.27	0.25	0.31	0.30
9.00	9.06	8.86	9.09	8.88	8.82	9.00	8.76	9.07	8.92	9.06	9.30	8.84	8.87
0.00	0.03	0.01	0.02	0.01	0.01	0.00	0.02	0.02	0.01	0.01	0.00	0.02	0.00
0.01	0.00	0.03	0.00	0.03	0.03	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00
0.00	0.03	0.04	0.03	0.08	0.04	0.01	0.00	0.04	0.04	0.03	0.00	0.01	0.02
87.94	88.10	88.36	87.75	87.64	88.05	88.37	87.01	88.42	87.90	87.87	88.52	88.11	87.91
5.170	5.216	5.162	5.126	5.155	5.130	5.132	5.144	5.152	5.133	5.154	5.238	5.240	5.198
2.830	2.784	2.838	2.874	2.845	2.870	2.868	2.856	2.848	2.867	2.846	2.762	2.760	2.802
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.866	2.935	2.903	2.877	2.878	2.893	2.913	2.889	2.882	2.908	2.899	2.887	2.937	2.928
0.007	0.001	0.000	0.000	0.002	0.001	0.001	0.004	0.007	0.000	0.001	0.004	0.007	0.012
6.076	5.954	6.082	6.052	6.090	6.124	6.045	6.097	6.059	6.062	6.019	5.933	5.958	6.005
0.048	0.044	0.055	0.052	0.052	0.043	0.061	0.059	0.046	0.061	0.050	0.045	0.058	0.056
2.949	2.953	2.892	2.986	2.923	2.890	2.935	2.905	2.956	2.927	2.968	3.014	2.879	2.902
0.015	0.013	0.012	0.011	0.009	0.011	0.010	0.012	0.009	0.006	0.012	0.026	0.031	0.012
11.962	11.900	11.943	11.978	11.955	11.962	11.965	11.966	11.959	11.964	11.947	11.909	11.871	11.915
0.000	0.008	0.011	0.010	0.021	0.011	0.004	0.000	0.011	0.012	0.009	0.001	0.002	0.007
0.003	0.000	0.013	0.000	0.013	0.013	0.000	0.000	0.005	0.000	0.013	0.000	0.000	0.000
0.000	0.007	0.001	0.005	0.002	0.002	0.000	0.004	0.004	0.003	0.003	0.000	0.005	0.000
19.964	19.914	19.967	19.993	19.990	19.989	19.969	19.970	19.979	19.979	19.972	19.910	19.878	19.922
5.696	5.719	5.740	5.751	5.722	5.762	5.781	5.745	5.730	5.775	5.745	5.649	5.697	5.730

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2.904	2.963	2.926	2.899	2.898	2.916	2.934	2.916	2.906	2.921	2.923	2.943	3.006	2.964
0.673	0.668	0.678	0.670	0.676	0.679	0.673	0.677	0.672	0.674	0.670	0.663	0.674	0.674
Chl perp.	Chl perp.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl sinc.	Chl sinc.	Chl sinc.
		Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
G27	G28	G29	G30	G31	G32	G33	G34	G35	G36	G37	G38	G39	G40
24.41	23.95	23.44	24.06	24.15	23.95	23.61	23.82	23.82	23.87	23.43	23.92	23.86	23.77
0.07	0.04	0.09	0.03	0.06	0.05	0.05	0.05	0.06	0.01	0.07	0.05	0.06	0.09
22.42	22.26	21.78	22.23	22.60	22.23	21.81	22.31	22.29	22.33	21.89	22.36	22.32	22.11
0.02	0.01	0.00	0.00	0.02	0.00	0.02	0.05	0.04	0.00	0.05	0.00	0.02	0.00
30.71	31.29	30.82	30.99	31.24	30.98	31.21	31.29	31.17	31.39	31.79	31.53	31.09	31.69
0.36	0.37	0.30	0.33	0.24	0.26	0.26	0.27	0.22	0.25	0.27	0.26	0.27	0.29
9.95	9.85	9.46	9.73	9.78	9.80	9.56	9.72	9.78	9.75	9.59	9.95	9.71	9.78
0.00	0.01	0.01	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02
0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
0.00	0.03	0.03	0.02	0.03	0.01	0.03	0.00	0.00	0.01	0.01	0.01	0.00	0.03
87.94	87.81	85.93	87.39	88.14	87.27	86.56	87.52	87.39	87.60	87.09	88.07	87.33	87.77
5.281	5.218	5.222	5.256	5.228	5.238	5.227	5.205	5.210	5.212	5.172	5.197	5.219	5.195
2.719	2.782	2.778	2.744	2.772	2.762	2.773	2.795	2.790	2.788	2.828	2.803	2.781	2.805
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.998	2.934	2.940	2.979	2.995	2.969	2.918	2.953	2.955	2.958	2.868	2.924	2.975	2.890
0.003	0.002	0.000	0.000	0.003	0.000	0.004	0.008	0.007	0.000	0.008	0.001	0.004	0.000
5.557	5.702	5.742	5.661	5.657	5.667	5.777	5.720	5.701	5.733	5.868	5.729	5.688	5.793
0.065	0.068	0.056	0.061	0.044	0.048	0.048	0.051	0.041	0.046	0.049	0.047	0.050	0.053
3.209	3.198	3.143	3.170	3.157	3.196	3.154	3.169	3.190	3.175	3.157	3.221	3.165	3.186
0.011	0.007	0.014	0.004	0.010	0.007	0.009	0.008	0.010	0.001	0.012	0.008	0.009	0.014
11.843	11.910	11.896	11.874	11.866	11.887	11.910	11.908	11.904	11.913	11.963	11.930	11.890	11.936
0.001	0.008	0.010	0.005	0.007	0.004	0.008	0.001	0.000	0.002	0.001	0.001	0.000	0.008
0.008	0.000	0.006	0.003	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.002	0.001	0.000
0.000	0.003	0.002	0.000	0.007	0.000	0.003	0.000	0.000	0.000	0.001	0.000	0.002	0.004
19.852	19.921	19.913	19.883	19.880	19.891	19.921	19.909	19.904	19.915	19.965	19.933	19.893	19.948
5.717	5.716	5.718	5.723	5.767	5.731	5.691	5.748	5.745	5.746	5.695	5.727	5.756	5.695
3.023	2.949	2.968	2.987	3.018	2.984	2.939	2.977	2.982	2.961	2.900	2.940	2.996	2.918
0.634	0.641	0.646	0.641	0.642	0.639	0.647	0.644	0.641	0.644	0.650	0.640	0.642	0.645

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Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
W131	W132	W133	W134	W135	W136	W137	W138	W139	W140	W141	W142		
24.56	24.42	24.10	24.19	24.60	24.49	24.25	24.41	24.45	24.39	24.23	24.31		
0.09	0.06	0.07	0.05	0.06	0.07	0.09	0.07	0.08	0.06	0.07	0.05		
22.20	22.18	22.15	22.35	22.09	22.52	22.05	22.33	22.60	22.44	22.72	22.62		
0.03	0.03	0.00	0.04	0.03	0.00	0.05	0.03	0.00	0.03	0.02	0.00		
27.39	27.24	27.40	27.94	27.51	27.45	26.68	27.38	27.52	27.92	27.50	27.20		
0.43	0.39	0.27	0.32	0.36	0.33	0.35	0.33	0.27	0.35	0.38	0.32		
12.72	13.00	12.95	12.76	12.87	12.68	13.07	12.97	13.10	12.66	12.90	13.06		
0.00	0.01	0.01	0.03	0.00	0.01	0.01	0.03	0.00	0.00	0.02	0.02		
0.00	0.02	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00		
0.01	0.01	0.01	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00		
87.43	87.35	86.97	87.67	87.54	87.57	86.54	87.55	88.03	87.85	87.83	87.58		
5.259	5.232	5.193	5.183	5.263	5.232	5.232	5.218	5.196	5.209	5.168	5.188		
2.741	2.768	2.807	2.817	2.737	2.768	2.768	2.782	2.804	2.791	2.832	2.812		
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000		
2.861	2.832	2.819	2.826	2.833	2.902	2.839	2.843	2.857	2.858	2.876	2.879		
0.004	0.004	0.000	0.006	0.004	0.000	0.008	0.005	0.000	0.005	0.002	0.000		
4.904	4.879	4.937	5.006	4.922	4.904	4.815	4.895	4.891	4.987	4.904	4.856		
0.077	0.070	0.049	0.057	0.065	0.059	0.063	0.061	0.049	0.064	0.069	0.058		
4.060	4.153	4.159	4.075	4.105	4.038	4.204	4.135	4.151	4.031	4.099	4.154		
0.014	0.010	0.012	0.008	0.010	0.011	0.015	0.011	0.012	0.009	0.011	0.008		
11.921	11.948	11.976	11.979	11.938	11.915	11.943	11.950	11.960	11.954	11.961	11.954		
0.003	0.001	0.002	0.000	0.005	0.000	0.003	0.000	0.002	0.000	0.000	0.000		
0.000	0.010	0.007	0.000	0.000	0.008	0.001	0.000	0.000	0.000	0.000	0.000		
0.001	0.002	0.002	0.006	0.000	0.003	0.001	0.006	0.000	0.000	0.004	0.005		
19.925	19.961	19.987	19.985	19.943	19.926	19.948	19.956	19.962	19.954	19.966	19.959		
5.602	5.600	5.627	5.643	5.570	5.670	5.607	5.625	5.661	5.649	5.709	5.690		
2.894	2.857	2.843	2.847	2.856	2.924	2.876	2.871	2.881	2.882	2.901	2.895		
0.547	0.540	0.543	0.551	0.545	0.548	0.534	0.542	0.541	0.553	0.545	0.539		
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl		

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Grt	Grt	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms		
W97	W98	W99	W101	W102									
25.18	25.05	25.26	25.35	25.24									
0.06	0.10	0.08	0.09	0.07									
22.60	22.46	22.80	22.36	22.41									
0.02	0.00	0.00	0.00	0.00									
24.21	24.45	24.37	24.21	24.59									
0.10	0.05	0.08	0.11	0.11									
14.88	15.05	15.02	15.14	14.90									
0.00	0.02	0.00	0.01	0.00									
0.00	0.00	0.00	0.00	0.00									
0.02	0.03	0.03	0.04	0.05									
87.07	87.20	87.64	87.30	87.37									
5.303	5.277	5.287	5.325	5.310									
2.697	2.723	2.713	2.675	2.690									
8.000	8.000	8.000	8.000	8.000									
2.913	2.854	2.909	2.860	2.866									
0.003	0.000	0.000	0.000	0.000									
4.264	4.306	4.265	4.253	4.326									
0.018	0.009	0.014	0.020	0.020									
4.670	4.726	4.685	4.741	4.671									
0.010	0.016	0.013	0.013	0.011									
11.878	11.911	11.886	11.887	11.895									
0.005	0.008	0.007	0.011	0.012									
0.000	0.000	0.000	0.000	0.000									
0.000	0.004	0.000	0.001	0.000									
19.883	19.923	19.893	19.900	19.907									
5.610	5.577	5.622	5.535	5.556									
2.936	2.885	2.934	2.887	2.889									
0.477	0.477	0.477	0.473	0.481									
Chl	Chl	Chl	Chl	Chl									
Bt	Bt	Bt	Bt	Bt									

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J126	J127	J128	J129	J130	J131	J132	J133	J134					
25.03	24.50	24.89	24.73	24.92	25.15	24.70	24.38	24.84					
0.05	0.04	0.02	0.01	0.03	0.04	0.03	0.03	0.00					
20.48	21.42	20.07	20.91	19.67	19.70	19.78	20.31	20.62					
0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.05	0.02					
29.92	29.39	30.44	29.56	30.74	30.70	30.55	30.54	29.47					
0.25	0.23	0.24	0.24	0.19	0.27	0.21	0.23	0.19					
11.13	10.91	11.24	10.93	10.99	11.33	11.20	11.27	11.20					
0.03	0.01	0.02	0.00	0.03	0.04	0.03	0.00	0.00					
0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00					
0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.01	0.00					
86.90	86.49	86.91	86.40	86.59	87.30	86.51	86.82	86.33					
5.466	5.360	5.457	5.423	5.496	5.498	5.451	5.361	5.449					
2.534	2.640	2.543	2.577	2.504	2.502	2.549	2.639	2.551					
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000					
2.736	2.884	2.642	2.828	2.610	2.573	2.595	2.627	2.778					
0.002	0.000	0.000	0.000	0.000	0.005	0.000	0.008	0.004					
5.464	5.378	5.581	5.421	5.670	5.613	5.638	5.617	5.405					
0.047	0.042	0.045	0.045	0.036	0.050	0.040	0.043	0.035					
3.624	3.559	3.673	3.574	3.613	3.694	3.684	3.695	3.662					
0.009	0.006	0.002	0.002	0.005	0.007	0.004	0.005	0.000					
11.882	11.870	11.944	11.871	11.935	11.942	11.962	11.995	11.885					
0.000	0.000	0.000	0.002	0.003	0.007	0.006	0.003	0.000					
0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000					
0.008	0.003	0.004	0.000	0.006	0.010	0.007	0.001	0.000					
19.889	19.872	19.948	19.873	19.943	19.958	19.977	19.999	19.885					
5.270	5.525	5.185	5.405	5.114	5.074	5.144	5.265	5.330					
2.755	2.896	2.647	2.833	2.620	2.592	2.604	2.644	2.782					
0.601	0.602	0.603	0.603	0.611	0.603	0.605	0.603	0.596					
Chl 3	Chl 3	Chl 3	Chl 3	Chl 3	Chl 3	Chl 3	Chl 3	Chl 3					
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms					

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

J162	J163	J164	J165	J166	J167	J168	J169	J170	J171	J172	J173	J174	J176
25.02	25.03	24.91	24.92	24.99	24.98	24.52	24.49	24.77	24.89	24.91	24.54	24.80	25.01
0.01	0.04	0.03	0.04	0.01	0.03	0.04	0.03	0.02	0.04	0.00	0.05	0.03	0.04
20.36	20.84	20.92	20.63	20.82	20.61	20.72	20.98	20.66	20.84	20.69	20.69	20.84	20.88
0.07	0.04	0.03	0.02	0.02	0.05	0.03	0.02	0.00	0.01	0.03	0.02	0.00	0.05
31.65	31.08	30.51	31.52	31.29	32.03	31.60	31.48	30.93	30.71	31.53	31.94	31.42	31.52
0.21	0.19	0.10	0.22	0.18	0.21	0.21	0.13	0.18	0.12	0.20	0.20	0.19	0.12
10.16	10.26	10.64	10.25	10.26	9.95	9.90	10.00	10.51	10.56	10.04	9.97	10.45	10.31
0.02	0.05	0.02	0.04	0.01	0.01	0.00	0.02	0.02	0.00	0.00	0.03	0.00	0.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.02	0.03	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.01	0.02
87.49	87.55	87.16	87.66	87.58	87.87	87.02	87.15	87.15	87.16	87.40	87.43	87.74	87.97
5.475	5.453	5.434	5.439	5.447	5.451	5.400	5.379	5.425	5.435	5.452	5.388	5.402	5.431
2.525	2.547	2.566	2.561	2.553	2.549	2.600	2.621	2.575	2.565	2.548	2.612	2.598	2.569
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.726	2.804	2.811	2.747	2.797	2.751	2.780	2.808	2.758	2.800	2.789	2.742	2.754	2.777
0.012	0.007	0.004	0.004	0.004	0.008	0.004	0.004	0.000	0.001	0.004	0.004	0.001	0.009
5.793	5.663	5.567	5.754	5.703	5.846	5.820	5.781	5.666	5.609	5.772	5.865	5.726	5.725
0.038	0.034	0.018	0.040	0.034	0.039	0.039	0.024	0.033	0.021	0.037	0.037	0.035	0.022
3.315	3.332	3.459	3.334	3.334	3.238	3.251	3.274	3.433	3.437	3.275	3.263	3.393	3.337
0.002	0.007	0.004	0.007	0.001	0.005	0.007	0.004	0.004	0.006	0.000	0.008	0.005	0.006
11.887	11.847	11.863	11.886	11.872	11.887	11.901	11.895	11.893	11.874	11.877	11.919	11.914	11.876
0.000	0.005	0.004	0.008	0.000	0.000	0.000	0.000	0.014	0.003	0.001	0.000	0.003	0.006
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.004	0.012	0.006	0.009	0.002	0.003	0.000	0.005	0.005	0.000	0.000	0.006	0.000	0.007
19.891	19.863	19.873	19.903	19.875	19.890	19.901	19.900	19.912	19.877	19.878	19.924	19.917	19.889
5.252	5.351	5.378	5.308	5.350	5.300	5.379	5.430	5.333	5.365	5.338	5.354	5.352	5.346
2.743	2.825	2.824	2.764	2.803	2.768	2.798	2.821	2.766	2.813	2.794	2.763	2.766	2.798
0.636	0.630	0.617	0.633	0.631	0.644	0.642	0.638	0.623	0.620	0.638	0.643	0.628	0.632
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Cls	Cls	Cls	Cls	Cls	Cls	Cls	Cls	Cls	Cls	Cls	Cls
J18a	J21	J22	J23	J24	J25	J25	J26	J27	J28	J29	J29a	J30	J31
24.19	24.61	24.15	24.73	24.56	24.60	24.43	23.81	24.41	24.85	24.41	24.57	24.44	24.78

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0.21	0.04	0.11	0.09	0.01	0.03	0.03	0.03	0.00	0.04	0.01	0.05	0.04	0.04
21.65	21.00	20.63	20.48	20.95	20.64	20.70	21.57	20.07	21.16	21.46	21.54	21.18	21.06
0.03	0.03	0.01	0.06	0.02	0.04	0.00	0.05	0.01	0.01	0.07	0.00	0.03	0.05
32.19	32.35	32.66	32.81	32.89	32.71	33.17	33.20	32.25	32.27	32.63	32.22	32.08	32.39
0.08	0.11	0.13	0.13	0.12	0.10	0.07	0.12	0.12	0.13	0.06	0.11	0.04	0.14
9.43	10.18	9.43	10.04	9.75	9.85	9.60	9.20	10.09	9.75	9.32	9.27	9.24	9.84
0.00	0.04	0.05	0.01	0.00	0.04	0.00	0.01	0.02	0.05	0.01	0.00	0.03	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00
87.79	88.36	87.18	88.35	88.30	88.00	88.00	87.99	86.98	88.29	88.00	87.76	87.06	88.35
5.289	5.350	5.346	5.393	5.359	5.383	5.360	5.231	5.405	5.399	5.335	5.369	5.385	5.386
2.711	2.650	2.654	2.607	2.641	2.617	2.640	2.769	2.595	2.601	2.665	2.631	2.615	2.614
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.868	2.730	2.727	2.657	2.745	2.707	2.713	2.815	2.642	2.816	2.863	2.915	2.885	2.780
0.005	0.006	0.001	0.010	0.003	0.008	0.000	0.009	0.002	0.001	0.011	0.000	0.005	0.008
5.886	5.881	6.047	5.982	6.001	5.986	6.087	6.100	5.972	5.864	5.963	5.888	5.911	5.886
0.015	0.019	0.024	0.023	0.022	0.018	0.012	0.022	0.023	0.024	0.011	0.020	0.007	0.026
3.075	3.300	3.113	3.264	3.172	3.215	3.141	3.014	3.329	3.159	3.036	3.019	3.036	3.189
0.035	0.007	0.019	0.015	0.001	0.004	0.005	0.006	0.001	0.006	0.002	0.007	0.006	0.006
11.884	11.942	11.931	11.951	11.945	11.937	11.959	11.966	11.968	11.871	11.886	11.850	11.850	11.895
0.000	0.000	0.001	0.002	0.000	0.000	0.000	0.000	0.003	0.008	0.009	0.000	0.000	0.000
0.000	0.000	0.002	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
0.000	0.008	0.013	0.003	0.000	0.010	0.000	0.001	0.005	0.011	0.003	0.001	0.006	0.011
19.884	19.950	19.946	19.956	19.945	19.947	19.959	19.967	19.976	19.890	19.898	19.851	19.858	19.907
5.579	5.380	5.381	5.264	5.386	5.324	5.353	5.584	5.238	5.418	5.528	5.546	5.500	5.394
2.943	2.749	2.765	2.697	2.751	2.723	2.722	2.835	2.646	2.830	2.878	2.930	2.901	2.800
0.657	0.641	0.660	0.647	0.654	0.651	0.660	0.669	0.642	0.650	0.663	0.661	0.661	0.649
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld
J50	J51	J52	J53	J54	J55	J56	J57	J58	J59	J60	J61	J62	J63
24.59	24.48	24.23	24.71	24.46	24.45	24.79	24.64	24.60	24.69	24.59	24.89	24.60	24.68
0.00	0.01	0.04	0.02	0.02	0.04	0.04	0.04	0.04	0.05	0.07	0.04	0.03	0.03
20.73	20.42	20.51	20.65	20.75	20.75	20.94	20.80	20.87	20.90	20.96	20.92	20.98	20.61

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.03	0.02	0.03	0.00	0.02	0.05	0.01	0.00	0.02	0.02	0.02	0.01	0.00	0.01
31.04	31.47	31.90	31.53	31.18	31.46	32.68	32.19	32.23	33.09	31.97	32.19	32.13	32.68
0.20	0.13	0.17	0.18	0.19	0.23	0.19	0.11	0.24	0.22	0.17	0.14	0.11	0.23
10.23	9.91	9.70	9.78	9.73	9.51	9.96	10.06	9.83	9.60	9.89	9.99	10.09	9.75
0.03	0.00	0.00	0.01	0.00	0.00	0.03	0.00	0.00	0.01	0.02	0.03	0.01	0.00
0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.03	0.00	0.02
0.02	0.02	0.00	0.00	0.00	0.02	0.01	0.02	0.03	0.01	0.02	0.02	0.02	0.03
86.87	86.47	86.59	86.87	86.34	86.54	88.66	87.86	87.85	88.60	87.72	88.26	87.97	88.05
5.409	5.427	5.380	5.444	5.418	5.416	5.379	5.385	5.381	5.375	5.378	5.410	5.366	5.401
2.591	2.573	2.620	2.556	2.582	2.584	2.621	2.615	2.619	2.625	2.622	2.590	2.634	2.599
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.784	2.761	2.748	2.808	2.835	2.832	2.734	2.742	2.761	2.738	2.780	2.767	2.760	2.716
0.005	0.004	0.006	0.000	0.003	0.008	0.002	0.000	0.004	0.004	0.003	0.001	0.000	0.002
5.711	5.833	5.923	5.810	5.776	5.827	5.930	5.882	5.896	6.024	5.847	5.851	5.861	5.981
0.037	0.025	0.033	0.033	0.036	0.043	0.035	0.020	0.044	0.041	0.032	0.027	0.021	0.042
3.354	3.274	3.211	3.214	3.213	3.140	3.220	3.278	3.204	3.117	3.225	3.237	3.280	3.180
0.000	0.002	0.006	0.004	0.004	0.007	0.006	0.006	0.007	0.008	0.011	0.006	0.005	0.005
11.891	11.899	11.927	11.869	11.868	11.858	11.927	11.928	11.916	11.931	11.897	11.890	11.927	11.927
0.005	0.007	0.000	0.000	0.000	0.006	0.002	0.005	0.008	0.002	0.005	0.004	0.006	0.009
0.001	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.009	0.014	0.000	0.009
0.007	0.000	0.000	0.002	0.000	0.001	0.008	0.000	0.000	0.002	0.004	0.006	0.002	0.000
19.903	19.906	19.927	19.870	19.868	19.871	19.938	19.933	19.924	19.935	19.916	19.914	19.935	19.944
5.375	5.334	5.367	5.363	5.417	5.417	5.355	5.357	5.380	5.363	5.402	5.358	5.394	5.315
2.789	2.769	2.766	2.815	2.846	2.855	2.748	2.754	2.779	2.757	2.805	2.781	2.770	2.728
0.630	0.640	0.648	0.644	0.643	0.650	0.648	0.642	0.648	0.659	0.644	0.644	0.641	0.653
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld	Cld
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

r135	r136	r137	r138	r139	r140	r141	r142	r143	r145	r146	r147	r148	r149
23.48	23.55	23.22	23.43	23.29	22.79	23.48	23.09	23.04	22.60	22.85	23.33	22.85	22.65
0.03	0.10	0.06	0.06	0.07	0.06	0.09	0.06	0.05	0.07	0.07	0.09	0.08	0.09
22.38	22.15	22.27	22.15	22.04	22.54	21.66	21.62	22.14	22.04	22.30	22.27	22.36	22.03
0.00	0.01	0.00	0.05	0.03	0.02	0.06	0.04	0.03	0.00	0.04	0.05	0.00	0.00

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

31.83	32.07	31.38	31.40	31.39	31.71	31.40	31.01	31.33	31.26	31.22	31.33	31.62	30.92
0.25	0.19	0.18	0.30	0.22	0.26	0.19	0.23	0.20	0.21	0.20	0.20	0.20	0.22
9.72	9.59	9.99	10.00	10.16	9.99	10.17	10.29	10.03	10.02	9.89	9.86	9.88	9.63
0.02	0.01	0.02	0.01	0.00	0.00	0.03	0.00	0.00	0.04	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.02	0.00	0.03	0.00	0.02	0.01	0.03	0.00	0.03	0.00
0.01	0.03	0.00	0.04	0.00	0.04	0.03	0.06	0.03	0.05	0.00	0.04	0.00	0.03
87.70	87.70	87.12	87.45	87.22	87.39	87.15	86.40	86.88	86.28	86.60	87.16	87.01	85.58
5.140	5.164	5.110	5.140	5.123	5.017	5.172	5.129	5.091	5.038	5.065	5.131	5.049	5.082
2.860	2.836	2.890	2.860	2.877	2.983	2.828	2.871	2.909	2.962	2.935	2.869	2.951	2.918
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.914	2.886	2.888	2.868	2.836	2.865	2.795	2.789	2.858	2.829	2.889	2.904	2.871	2.908
0.000	0.001	0.000	0.009	0.005	0.004	0.010	0.008	0.006	0.000	0.007	0.009	0.000	0.000
5.827	5.879	5.777	5.761	5.775	5.838	5.783	5.762	5.790	5.828	5.787	5.762	5.844	5.800
0.046	0.036	0.034	0.055	0.041	0.048	0.036	0.044	0.038	0.039	0.038	0.037	0.037	0.041
3.173	3.133	3.277	3.271	3.332	3.278	3.337	3.408	3.305	3.330	3.269	3.232	3.254	3.220
0.004	0.016	0.010	0.009	0.012	0.010	0.015	0.009	0.008	0.011	0.012	0.014	0.014	0.015
11.964	11.951	11.986	11.974	12.001	12.042	11.977	12.019	12.005	12.036	12.001	11.959	12.020	11.985
0.002	0.007	0.000	0.012	0.000	0.010	0.010	0.016	0.009	0.014	0.000	0.010	0.001	0.009
0.000	0.000	0.000	0.000	0.010	0.000	0.012	0.000	0.009	0.005	0.014	0.000	0.012	0.000
0.004	0.003	0.005	0.002	0.000	0.000	0.008	0.000	0.001	0.010	0.000	0.000	0.000	0.001
19.970	19.962	19.991	19.989	20.011	20.052	20.007	20.036	20.024	20.065	20.015	19.969	20.033	19.995
5.774	5.722	5.777	5.728	5.714	5.848	5.623	5.660	5.767	5.791	5.824	5.773	5.823	5.826
2.922	2.920	2.909	2.895	2.865	2.889	2.836	2.816	2.880	2.851	2.919	2.941	2.899	2.938
0.647	0.652	0.638	0.638	0.634	0.640	0.634	0.628	0.637	0.636	0.639	0.641	0.642	0.643
Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

r212	r213	r214	r215	r217	r218	r219	r220	r221	r222	r223	r224	r225	r226
23.59	23.54	23.44	23.50	23.95	23.95	23.60	23.57	23.20	23.27	22.95	22.73	22.97	22.93
0.06	0.04	0.05	0.04	0.07	0.05	0.07	0.08	0.06	0.08	0.08	0.09	0.06	0.08
22.31	22.35	21.96	22.51	21.73	22.00	22.14	22.18	21.89	22.07	21.81	21.67	21.58	21.64
0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.05	0.03	0.03	0.06	0.03
30.45	30.64	30.82	30.80	30.64	30.76	30.70	30.76	30.48	30.77	30.42	30.49	30.33	30.72
0.33	0.32	0.27	0.29	0.31	0.32	0.27	0.30	0.29	0.30	0.32	0.36	0.26	0.26
10.18	10.14	10.34	10.09	10.39	10.39	10.00	10.13	10.01	10.30	10.29	10.10	10.37	10.45
0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.02	0.02	0.01	0.01	0.02	0.02	0.00

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.03	0.00	0.02
0.01	0.00	0.02	0.00	0.00	0.04	0.01	0.06	0.04	0.04	0.05	0.06	0.05	0.05
86.93	87.07	86.90	87.24	87.08	87.53	86.86	87.11	86.02	86.87	85.95	85.57	85.68	86.18
5.175	5.161	5.160	5.144	5.248	5.224	5.188	5.172	5.159	5.127	5.112	5.096	5.132	5.104
2.825	2.839	2.840	2.856	2.752	2.776	2.812	2.828	2.841	2.873	2.888	2.904	2.868	2.896
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.943	2.937	2.857	2.950	2.860	2.877	2.926	2.907	2.895	2.857	2.839	2.823	2.814	2.779
0.000	0.001	0.000	0.000	0.000	0.000	0.008	0.000	0.001	0.008	0.005	0.005	0.010	0.006
5.586	5.618	5.672	5.638	5.614	5.610	5.646	5.643	5.668	5.669	5.667	5.717	5.666	5.717
0.061	0.059	0.051	0.053	0.058	0.059	0.050	0.056	0.055	0.055	0.059	0.069	0.049	0.049
3.330	3.316	3.394	3.293	3.393	3.378	3.277	3.313	3.319	3.383	3.417	3.377	3.452	3.467
0.010	0.007	0.008	0.006	0.011	0.007	0.012	0.013	0.010	0.012	0.013	0.014	0.010	0.014
11.930	11.938	11.981	11.941	11.936	11.932	11.918	11.932	11.949	11.985	12.000	12.006	12.002	12.031
0.003	0.001	0.006	0.000	0.000	0.012	0.001	0.018	0.010	0.012	0.013	0.016	0.013	0.013
0.000	0.010	0.000	0.011	0.000	0.000	0.000	0.002	0.006	0.000	0.000	0.011	0.000	0.008
0.000	0.000	0.000	0.000	0.000	0.004	0.009	0.005	0.005	0.001	0.002	0.005	0.004	0.000
19.933	19.949	19.987	19.953	19.936	19.948	19.928	19.957	19.971	19.998	20.015	20.037	20.018	20.053
5.768	5.776	5.697	5.806	5.612	5.653	5.738	5.735	5.737	5.730	5.727	5.727	5.682	5.676
2.962	2.952	2.872	2.962	2.881	2.892	2.957	2.933	2.917	2.890	2.870	2.857	2.844	2.812
0.627	0.629	0.626	0.631	0.623	0.624	0.633	0.630	0.631	0.626	0.624	0.629	0.621	0.622
Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms

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P26	P27	P28	P47	P48	P49	P50	P51	P52	P53	P54	P55	P56	
24.87	24.96	24.89	24.68	24.57	24.53	24.32	24.62	24.39	24.51	24.72	24.68	24.75	
0.08	0.08	0.07	0.06	0.07	0.11	0.10	0.09	0.07	0.06	0.11	0.09	0.09	
21.53	21.45	21.73	21.63	21.73	21.82	21.66	21.68	21.88	21.96	22.06	21.93	21.65	
0.05	0.05	0.00	0.00	0.01	0.00	0.03	0.05	0.03	0.00	0.07	0.00	0.00	
27.07	27.37	26.88	27.80	27.55	27.28	27.43	27.88	27.26	27.57	27.66	27.70	27.40	
0.25	0.25	0.26	0.30	0.33	0.25	0.31	0.26	0.24	0.26	0.28	0.27	0.24	
13.27	13.01	13.33	13.10	13.11	13.39	13.19	13.28	13.33	13.01	13.08	13.21	13.21	
0.06	0.00	0.00	0.00	0.06	0.01	0.00	0.00	0.03	0.02	0.02	0.00	0.02	
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	
0.01	0.00	0.01	0.02	0.02	0.03	0.04	0.02	0.01	0.00	0.00	0.00	0.01	
87.18	87.19	87.17	87.59	87.43	87.42	87.09	87.88	87.25	87.39	87.99	87.88	87.38	

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5.330	5.354	5.325	5.286	5.268	5.250	5.238	5.258	5.233	5.253	5.262	5.261	5.301	
2.670	2.646	2.675	2.714	2.732	2.750	2.762	2.742	2.767	2.747	2.738	2.739	2.699	
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	
2.766	2.776	2.804	2.746	2.759	2.755	2.736	2.714	2.764	2.801	2.794	2.771	2.766	
0.008	0.008	0.000	0.000	0.001	0.000	0.005	0.008	0.005	0.000	0.012	0.000	0.000	
4.851	4.909	4.809	4.979	4.940	4.883	4.940	4.980	4.891	4.943	4.922	4.938	4.907	
0.045	0.045	0.048	0.055	0.059	0.044	0.057	0.048	0.044	0.048	0.050	0.049	0.044	
4.238	4.161	4.253	4.183	4.189	4.272	4.234	4.227	4.264	4.156	4.149	4.197	4.216	
0.013	0.013	0.010	0.009	0.010	0.017	0.016	0.015	0.012	0.010	0.017	0.014	0.014	
11.920	11.913	11.923	11.972	11.959	11.972	11.989	11.991	11.979	11.958	11.945	11.970	11.946	
0.003	0.000	0.003	0.007	0.006	0.009	0.010	0.005	0.004	0.000	0.001	0.000	0.002	
0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.003	0.000	0.000	0.000	
0.014	0.001	0.000	0.000	0.013	0.003	0.000	0.000	0.007	0.004	0.004	0.000	0.005	
19.937	19.923	19.927	19.979	19.978	19.985	19.999	19.999	19.990	19.964	19.949	19.970	19.954	
5.436	5.423	5.478	5.460	5.491	5.505	5.498	5.457	5.531	5.547	5.532	5.510	5.465	
2.800	2.810	2.824	2.764	2.780	2.789	2.773	2.752	2.793	2.821	2.840	2.799	2.794	
0.534	0.541	0.531	0.543	0.541	0.533	0.538	0.541	0.534	0.543	0.543	0.541	0.538	
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	
P138	P197	P198	P199	P200	P201	P202	P203	P204	P205	P206	P207	P208	P209
24.13	24.39	24.44	24.53	24.07	24.01	24.28	24.18	24.26	24.18	24.44	24.37	24.31	24.34
0.08	0.14	0.15	0.13	0.16	0.15	0.18	0.18	0.14	0.11	0.09	0.10	0.15	0.10
21.63	21.76	21.65	21.65	21.84	22.06	21.71	22.02	21.71	21.95	21.83	21.79	21.97	21.79
0.06	0.00	0.04	0.02	0.03	0.00	0.01	0.00	0.02	0.00	0.03	0.03	0.01	0.00
29.86	29.13	29.06	29.59	29.18	29.68	29.76	29.48	29.48	29.06	29.15	29.15	29.40	29.71
0.21	0.24	0.18	0.21	0.17	0.23	0.20	0.18	0.21	0.14	0.14	0.19	0.21	0.24
11.19	11.74	11.68	11.71	11.57	11.50	11.49	11.71	11.57	11.76	11.93	11.75	11.70	11.67
0.01	0.01	0.04	0.01	0.00	0.03	0.04	0.01	0.00	0.01	0.02	0.01	0.02	0.00
0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.02
0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.05	0.02	0.00
87.23	87.42	87.24	87.87	87.02	87.66	87.67	87.77	87.42	87.20	87.64	87.43	87.80	87.87
5.254	5.272	5.291	5.285	5.231	5.194	5.252	5.214	5.255	5.236	5.266	5.267	5.238	5.250

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2.746	2.728	2.709	2.715	2.769	2.806	2.748	2.786	2.745	2.764	2.734	2.733	2.762	2.750
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.805	2.815	2.816	2.783	2.827	2.817	2.787	2.811	2.799	2.839	2.808	2.818	2.818	2.788
0.010	0.000	0.007	0.003	0.004	0.000	0.001	0.000	0.003	0.000	0.005	0.004	0.001	0.000
5.438	5.265	5.261	5.330	5.305	5.369	5.384	5.316	5.341	5.264	5.253	5.269	5.299	5.360
0.039	0.044	0.033	0.038	0.032	0.042	0.037	0.033	0.039	0.025	0.025	0.034	0.039	0.043
3.632	3.783	3.771	3.762	3.749	3.710	3.704	3.765	3.738	3.797	3.832	3.786	3.759	3.752
0.014	0.023	0.024	0.021	0.026	0.024	0.028	0.028	0.023	0.017	0.014	0.017	0.024	0.017
11.937	11.930	11.911	11.938	11.943	11.963	11.941	11.954	11.943	11.942	11.937	11.928	11.939	11.960
0.000	0.002	0.000	0.005	0.000	0.000	0.000	0.004	0.005	0.000	0.003	0.013	0.006	0.001
0.026	0.000	0.000	0.002	0.000	0.003	0.000	0.000	0.003	0.000	0.007	0.001	0.000	0.006
0.002	0.002	0.008	0.001	0.001	0.006	0.010	0.003	0.001	0.003	0.005	0.003	0.005	0.000
19.965	19.935	19.919	19.947	19.943	19.972	19.952	19.961	19.952	19.945	19.951	19.945	19.950	19.967
5.550	5.543	5.525	5.498	5.596	5.623	5.535	5.597	5.544	5.602	5.542	5.551	5.579	5.538
2.843	2.861	2.871	2.828	2.883	2.865	2.844	2.867	2.848	2.873	2.841	2.856	2.867	2.822
0.600	0.582	0.582	0.586	0.586	0.591	0.592	0.585	0.588	0.581	0.578	0.582	0.585	0.588
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm

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Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

S165	S166	S167	S168										
23.27	22.96	22.70	23.01										
0.18	0.13	0.07	0.08										
21.87	22.21	20.63	22.55										
0.05	0.06	0.02	0.03										
37.24	36.62	37.72	36.34										
0.65	0.56	0.58	0.47										
5.60	5.67	5.29	6.62										
0.02	0.02	0.03	0.09										
0.01	0.00	0.00	0.02										
0.00	0.01	0.01	0.02										
88.94	88.30	87.07	89.27										
5.188	5.142	5.211	5.080										
2.812	2.858	2.789	2.920										
8.000	8.000	8.000	8.000										
2.933	3.004	2.793	2.946										
0.009	0.011	0.004	0.006										
6.942	6.858	7.244	6.709										

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.123	0.106	0.114	0.088										
1.862	1.893	1.809	2.180										
0.029	0.022	0.012	0.014										
11.897	11.893	11.975	11.943										
0.000	0.003	0.003	0.006										
0.006	0.000	0.000	0.010										
0.006	0.006	0.008	0.021										
19.909	19.901	19.986	19.979										
5.744	5.862	5.581	5.866										
3.000	3.059	2.821	2.980										
0.789	0.784	0.800	0.755										
Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt										

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

S13	S14	S15	S16	S36	S37	S38	S39	S40	S41	S42	S43		
24.48	24.28	23.99	23.77	24.29	24.61	24.48	24.28	24.48	24.68	24.35	24.27		
0.08	0.08	0.10	0.03	0.06	0.08	0.08	0.06	0.09	0.06	0.10	0.06		
23.37	22.93	23.02	22.71	22.90	23.13	23.23	23.03	23.08	23.17	23.34	23.11		
0.04	0.01	0.00	0.02	0.04	0.05	0.04	0.04	0.02	0.03	0.02	0.00		
30.26	29.86	29.41	31.33	29.41	29.72	30.04	29.87	29.58	29.99	30.03	29.54		
0.30	0.17	0.21	0.42	0.20	0.16	0.18	0.17	0.19	0.28	0.16	0.17		
10.01	10.65	11.00	9.55	11.40	11.12	10.79	10.99	10.98	10.60	11.41	11.00		
0.00	0.03	0.00	0.00	0.00	0.03	0.03	0.01	0.00	0.02	0.00	0.01		
0.05	0.01	0.02	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00		
0.07	0.02	0.04	0.00	0.02	0.01	0.04	0.01	0.00	0.09	0.00	0.01		
88.70	88.04	87.78	87.88	88.36	88.94	88.93	88.49	88.43	88.94	89.42	88.17		
5.231	5.218	5.166	5.177	5.193	5.225	5.209	5.192	5.225	5.250	5.150	5.197		
2.769	2.782	2.834	2.823	2.807	2.775	2.791	2.808	2.775	2.750	2.850	2.803		
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000		
3.117	3.026	3.007	3.005	2.964	3.012	3.034	2.996	3.030	3.058	2.967	3.030		
0.007	0.001	0.000	0.003	0.006	0.008	0.006	0.007	0.002	0.005	0.002	0.000		
5.408	5.368	5.296	5.704	5.258	5.276	5.345	5.343	5.280	5.335	5.311	5.291		
0.054	0.030	0.038	0.078	0.035	0.028	0.032	0.030	0.034	0.051	0.029	0.031		
3.190	3.413	3.530	3.099	3.632	3.518	3.423	3.505	3.495	3.360	3.599	3.512		
0.013	0.013	0.016	0.004	0.010	0.013	0.012	0.009	0.015	0.009	0.016	0.010		

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11.790	11.852	11.888	11.894	11.905	11.855	11.852	11.890	11.856	11.817	11.925	11.874		
0.019	0.005	0.010	0.000	0.005	0.002	0.011	0.003	0.000	0.025	0.001	0.002		
0.020	0.004	0.007	0.020	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000		
0.000	0.007	0.001	0.000	0.000	0.006	0.006	0.002	0.000	0.004	0.000	0.002		
19.828	19.869	19.906	19.913	19.911	19.869	19.869	19.895	19.856	19.847	19.925	19.878		
5.887	5.808	5.841	5.828	5.770	5.787	5.825	5.804	5.805	5.808	5.818	5.832		
3.150	3.053	3.039	3.016	2.990	3.046	3.064	3.021	3.062	3.081	3.001	3.050		
0.629	0.611	0.600	0.648	0.591	0.600	0.610	0.604	0.602	0.614	0.596	0.601		
Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt		

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

D44	D45	D46	D47	D48	D49	D50	D51	D52	D53	D54	D55	D56	D57
23.76	23.65	24.00	23.86	23.88	23.81	23.71	23.74	23.45	23.76	23.96	23.51	23.68	23.19
0.08	0.08	0.42	0.13	0.11	0.07	0.06	0.03	0.06	0.07	0.08	0.07	0.07	0.09
21.74	22.01	21.81	22.16	21.93	21.58	22.08	21.83	22.12	21.93	22.17	22.13	22.42	21.28
0.12	0.00	0.00	0.00	0.04	0.00	0.00	0.01	0.06	0.04	0.00	0.00	0.03	0.05
32.02	32.83	32.24	32.87	33.40	32.32	32.54	32.85	32.95	33.54	32.68	31.98	32.20	31.40
0.29	0.23	0.24	0.27	0.30	0.26	0.23	0.27	0.25	0.25	0.25	0.27	0.30	0.25
8.89	8.86	8.91	8.72	8.96	8.75	8.96	9.07	8.86	9.04	9.01	9.07	9.06	8.81
0.04	0.00	0.00	0.02	0.01	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.01	0.00
0.02	0.01	0.00	0.08	0.02	0.00	0.03	0.00	0.00	0.00	0.04	0.02	0.03	0.01
0.02	0.01	0.02	0.03	0.03	0.01	0.02	0.02	0.00	0.02	0.00	0.01	0.02	0.00
86.98	87.69	87.64	88.13	88.69	86.81	87.65	87.82	87.76	88.64	88.20	87.07	87.83	85.10
5.257	5.205	5.264	5.222	5.211	5.283	5.211	5.218	5.165	5.189	5.231	5.192	5.184	5.244
2.743	2.795	2.736	2.778	2.789	2.717	2.789	2.782	2.835	2.811	2.769	2.808	2.816	2.756
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.924	2.915	2.902	2.939	2.848	2.927	2.932	2.876	2.907	2.835	2.934	2.953	2.970	2.916
0.022	0.001	0.000	0.000	0.006	0.000	0.000	0.002	0.010	0.006	0.001	0.001	0.005	0.009
5.923	6.042	5.915	6.018	6.095	5.997	5.982	6.039	6.068	6.128	5.967	5.907	5.897	5.937
0.055	0.043	0.044	0.049	0.056	0.050	0.043	0.050	0.046	0.046	0.046	0.051	0.055	0.048
2.931	2.907	2.914	2.847	2.915	2.896	2.937	2.971	2.907	2.945	2.934	2.986	2.957	2.970
0.013	0.014	0.069	0.021	0.018	0.011	0.010	0.005	0.009	0.011	0.013	0.012	0.012	0.016
11.868	11.922	11.844	11.873	11.938	11.881	11.905	11.943	11.947	11.971	11.894	11.909	11.896	11.896
0.006	0.002	0.006	0.009	0.009	0.004	0.005	0.004	0.000	0.007	0.000	0.004	0.006	0.000
0.008	0.006	0.000	0.034	0.010	0.000	0.013	0.000	0.000	0.000	0.017	0.008	0.014	0.007
0.010	0.000	0.000	0.004	0.001	0.000	0.005	0.001	0.003	0.000	0.002	0.000	0.003	0.001
19.893	19.930	19.850	19.920	19.959	19.885	19.927	19.949	19.950	19.977	19.913	19.921	19.919	19.903
5.667	5.710	5.638	5.716	5.638	5.644	5.721	5.657	5.742	5.646	5.703	5.760	5.786	5.671

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

2.972	2.944	3.040	2.981	2.890	2.949	2.952	2.888	2.935	2.863	2.961	2.978	2.999	2.957
0.669	0.675	0.670	0.679	0.676	0.674	0.671	0.670	0.676	0.675	0.670	0.664	0.666	0.667
Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
G41	G42	G43											
23.54	23.88	23.78											
0.05	0.03	0.02											
21.71	22.20	22.01											
0.09	0.00	0.02											
30.97	31.45	30.54											
0.27	0.28	0.28											
9.57	9.85	9.65											
0.02	0.01	0.01											
0.00	0.00	0.03											
0.01	0.01	0.00											
86.22	87.69	86.33											
5.229	5.212	5.255											
2.771	2.788	2.745											
8.000	8.000	8.000											
2.913	2.924	2.986											
0.015	0.000	0.003											
5.752	5.741	5.644											
0.051	0.051	0.052											
3.170	3.204	3.178											
0.008	0.005	0.003											
11.908	11.925	11.867											
0.002	0.001	0.000											
0.000	0.000	0.011											
0.005	0.002	0.003											
19.915	19.927	19.881											
5.684	5.712	5.732											
2.943	2.934	2.995											
0.645	0.642	0.640											

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Chl stat.	Chl stat.	Chl stat.											
Ms	Ms	Ms											

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

J177	J178	J179	J181	J182	J183								
24.49	24.65	25.09	24.99	25.08	24.86								
0.02	0.03	0.05	0.05	0.04	0.03								
20.69	20.89	20.93	21.14	20.91	20.73								
0.00	0.03	0.06	0.00	0.02	0.04								
31.27	30.98	30.70	30.36	30.86	31.04								
0.14	0.10	0.11	0.09	0.09	0.15								
10.10	10.41	10.60	10.56	10.53	10.44								
0.04	0.01	0.01	0.01	0.01	0.03								
0.00	0.00	0.00	0.00	0.00	0.03								
0.02	0.01	0.01	0.03	0.01	0.02								
86.76	87.11	87.56	87.23	87.55	87.37								
5.402	5.400	5.451	5.438	5.453	5.430								
2.598	2.600	2.549	2.562	2.547	2.570								
8.000	8.000	8.000	8.000	8.000	8.000								
2.779	2.793	2.807	2.859	2.811	2.767								
0.000	0.005	0.010	0.001	0.003	0.007								
5.768	5.674	5.577	5.526	5.611	5.671								
0.027	0.018	0.019	0.017	0.016	0.028								
3.320	3.400	3.432	3.426	3.411	3.399								
0.002	0.004	0.008	0.007	0.006	0.005								
11.895	11.893	11.853	11.836	11.857	11.877								
0.005	0.003	0.002	0.008	0.003	0.005								
0.000	0.000	0.000	0.000	0.000	0.014								
0.010	0.003	0.003	0.003	0.002	0.008								
19.910	19.899	19.859	19.848	19.862	19.903								
5.377	5.393	5.357	5.421	5.358	5.338								
2.784	2.805	2.834	2.875	2.825	2.783								
0.635	0.625	0.619	0.617	0.622	0.625								
Chl	Chl	Chl	Chl	Chl	Chl								
Cls	Cls	Cls	Cls	Cls	Cls								
J32													
24.96													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.03													
20.94													
0.00													
31.92													
0.07													
9.67													
0.10													
0.00													
0.00													
87.69													
5.449													
2.551													
8.000													
2.837													
0.000													
5.828													
0.013													
3.146													
0.004													
11.829													
0.000													
0.000													
0.023													
19.853													
5.388													
2.846													
0.649													
Chl													
Cld													
J64	J65												
24.89	24.38												
0.02	0.01												
20.54	20.73												

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.00	0.01												
32.20	31.76												
0.18	0.22												
9.67	9.82												
0.01	0.00												
0.00	0.00												
0.00	0.02												
87.50	86.96												
5.461	5.382												
2.539	2.618												
8.000	8.000												
2.772	2.775												
0.000	0.002												
5.908	5.862												
0.034	0.041												
3.163	3.233												
0.003	0.002												
11.879	11.915												
0.000	0.005												
0.000	0.000												
0.001	0.001												
19.881	19.921												
5.311	5.393												
2.778	2.781												
0.651	0.645												
Chl	Chl												
Cld	Cld												
Ms	Ms												

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

r150	r151	r152	r153	r154	r155	r156	r157	r158	r159	r161	r162	r163	r164
23.03	23.10	22.54	22.54	23.52	23.48	23.48	23.42	23.16	22.93	23.75	22.94	22.98	23.20
0.06	0.10	0.09	0.03	0.07	0.09	0.08	0.07	0.06	0.07	0.05	0.10	0.06	0.10
21.36	21.86	21.46	21.45	21.07	21.21	21.19	21.81	21.94	21.69	22.39	22.03	21.70	21.79
0.01	0.05	0.01	0.02	0.01	0.00	0.00	0.08	0.00	0.00	0.00	0.04	0.00	0.00

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

31.58	32.25	31.51	31.66	31.44	31.12	31.11	31.54	30.73	31.42	31.31	31.47	31.42	31.39
0.17	0.24	0.20	0.25	0.14	0.17	0.19	0.14	0.25	0.27	0.19	0.20	0.17	0.24
9.92	10.10	10.21	9.85	10.43	10.42	10.34	10.22	9.92	9.92	10.07	10.00	10.09	9.87
0.02	0.00	0.04	0.01	0.00	0.02	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.02
0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.00	0.00	0.02	0.00
0.03	0.02	0.03	0.01	0.05	0.07	0.05	0.04	0.03	0.04	0.02	0.02	0.03	0.00
86.20	87.73	86.09	85.81	86.73	86.59	86.45	87.36	86.13	86.36	87.76	86.79	86.47	86.61
5.145	5.081	5.050	5.071	5.211	5.203	5.211	5.148	5.149	5.109	5.175	5.080	5.111	5.145
2.855	2.919	2.950	2.929	2.789	2.797	2.789	2.852	2.851	2.891	2.825	2.920	2.889	2.855
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.769	2.747	2.718	2.759	2.711	2.742	2.754	2.798	2.898	2.805	2.924	2.832	2.797	2.841
0.003	0.009	0.003	0.003	0.001	0.000	0.000	0.015	0.000	0.000	0.000	0.007	0.000	0.000
5.901	5.931	5.904	5.958	5.825	5.766	5.773	5.796	5.713	5.856	5.704	5.829	5.843	5.821
0.033	0.044	0.037	0.047	0.026	0.033	0.036	0.027	0.047	0.052	0.034	0.038	0.032	0.046
3.306	3.313	3.410	3.304	3.443	3.440	3.419	3.347	3.287	3.295	3.270	3.301	3.344	3.264
0.009	0.017	0.015	0.005	0.012	0.014	0.014	0.011	0.009	0.012	0.007	0.016	0.010	0.016
12.021	12.061	12.086	12.075	12.019	11.995	11.996	11.994	11.955	12.019	11.940	12.023	12.026	11.987
0.010	0.006	0.009	0.003	0.013	0.020	0.015	0.010	0.008	0.013	0.004	0.004	0.008	0.000
0.002	0.000	0.000	0.000	0.002	0.005	0.000	0.000	0.004	0.009	0.000	0.000	0.009	0.000
0.005	0.000	0.009	0.002	0.000	0.005	0.000	0.009	0.006	0.000	0.001	0.000	0.001	0.004
20.038	20.067	20.105	20.081	20.034	20.025	20.011	20.013	19.973	20.042	19.945	20.027	20.044	19.991
5.624	5.666	5.668	5.688	5.500	5.539	5.542	5.650	5.749	5.696	5.748	5.752	5.686	5.695
2.791	2.790	2.750	2.771	2.737	2.771	2.781	2.835	2.917	2.829	2.938	2.870	2.818	2.873
0.641	0.642	0.634	0.643	0.629	0.626	0.628	0.634	0.635	0.640	0.636	0.638	0.636	0.641
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Pl	Pl	Pl	Pl

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

r227	r228	r229	r230										
23.01	23.23	23.14	22.70										
0.08	0.04	0.06	0.04										
21.69	20.74	21.64	21.43										
0.00	0.04	0.04	0.00										
30.78	30.35	30.47	30.69										
0.30	0.27	0.28	0.30										
10.13	10.48	10.32	10.05										
0.02	0.01	0.02	0.01										

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.00	0.00	0.01	0.03										
0.01	0.05	0.02	0.02										
86.02	85.21	86.00	85.27										
5.129	5.224	5.149	5.113										
2.871	2.776	2.851	2.887										
8.000	8.000	8.000	8.000										
2.827	2.721	2.826	2.801										
0.000	0.007	0.007	0.000										
5.737	5.708	5.671	5.782										
0.056	0.052	0.052	0.058										
3.367	3.513	3.422	3.376										
0.014	0.007	0.010	0.007										
12.001	12.008	11.988	12.024										
0.004	0.013	0.007	0.007										
0.001	0.000	0.003	0.013										
0.005	0.002	0.005	0.001										
20.011	20.023	20.004	20.045										
5.697	5.497	5.677	5.688										
2.854	2.742	2.853	2.816										
0.630	0.619	0.624	0.631										
Chl stat.	Chl stat.	Chl stat.	Chl stat.										
Ms	Ms	Ms	Ms										

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

P210	P211	P212	P213	P214	P215	P216
24.31	24.58	24.23	24.16	24.66	24.09	24.23
0.16	0.21	0.19	0.18	0.18	0.20	0.12
21.90	21.92	21.81	21.75	21.85	21.78	21.93
0.00	0.00	0.02	0.02	0.00	0.04	0.00
29.66	29.82	29.81	29.37	29.43	29.81	29.76
0.19	0.19	0.18	0.18	0.17	0.14	0.19
11.81	11.46	11.73	11.57	11.62	11.47	11.60
0.01	0.01	0.04	0.02	0.02	0.02	0.00
0.04	0.00	0.02	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.01	0.02	0.05	0.00
88.08	88.20	88.02	87.25	87.94	87.59	87.84
5.228	5.276	5.221	5.243	5.299	5.220	5.228

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

2.772	2.724	2.779	2.757	2.701	2.780	2.772							
8.000	8.000	8.000	8.000	8.000	8.000	8.000							
2.779	2.821	2.759	2.803	2.832	2.782	2.806							
0.000	0.001	0.002	0.004	0.000	0.007	0.000							
5.335	5.354	5.373	5.329	5.288	5.402	5.371							
0.035	0.034	0.033	0.033	0.030	0.026	0.035							
3.787	3.668	3.767	3.742	3.722	3.706	3.731							
0.026	0.034	0.031	0.030	0.028	0.032	0.019							
11.962	11.913	11.965	11.940	11.900	11.954	11.963							
0.000	0.000	0.001	0.001	0.005	0.012	0.000							
0.015	0.000	0.006	0.000	0.000	0.000	0.000							
0.002	0.003	0.010	0.004	0.004	0.004	0.000							
19.978	19.917	19.982	19.946	19.909	19.970	19.963							
5.551	5.546	5.538	5.561	5.532	5.561	5.578							
2.831	2.890	2.823	2.867	2.888	2.853	2.844							
0.585	0.593	0.588	0.587	0.587	0.593	0.590							
Chl	Chl	Chl	Chl	Chl	Chl	Chl							
Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm							

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

D58													
23.76													
0.06													
21.90													
0.02													
31.74													
0.24													
8.90													
0.00													
0.03													
0.01													
86.67													
5.264													
2.736													
8.000													
2.980													
0.004													
5.879													
0.046													
2.940													
0.010													
11.859													
0.003													
0.011													
0.000													
19.873													
5.716													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

3.004													
0.667													
Chl sinc.													
Ms													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

r165	r166	r167	r168	r169	r170	r171	r172	r173	r174	r175	r176	r177
23.37	23.45	23.33	23.16	22.98	23.04	22.91	23.21	22.89	23.19	23.34	22.96	23.31
0.06	0.09	0.08	0.06	0.05	0.08	0.07	0.05	0.06	0.08	0.08	0.08	0.07
21.76	21.69	21.91	22.26	21.82	22.27	21.88	22.19	22.00	21.94	22.15	22.28	21.92
0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.01	0.03	0.04	0.03	0.05	0.06

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

31.70	31.09	31.72	31.85	31.17	31.04	31.91	31.74	31.43	31.49	31.97	31.81	31.21
0.20	0.20	0.29	0.25	0.23	0.24	0.19	0.26	0.17	0.16	0.23	0.15	0.18
10.14	10.02	10.08	9.96	9.95	9.95	10.07	10.11	9.88	10.09	10.01	9.99	9.75
0.00	0.02	0.03	0.01	0.01	0.05	0.00	0.02	0.00	0.00	0.00	0.00	0.00
0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.06	0.03	0.00	0.01	0.00	0.00
0.03	0.00	0.00	0.02	0.04	0.01	0.03	0.04	0.03	0.04	0.02	0.03	0.04
87.27	86.57	87.44	87.60	86.25	86.72	87.05	87.70	86.52	87.02	87.86	87.36	86.53
5.147	5.189	5.129	5.086	5.117	5.093	5.071	5.090	5.087	5.119	5.110	5.056	5.166
2.853	2.811	2.871	2.914	2.883	2.907	2.929	2.910	2.913	2.881	2.890	2.944	2.834
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.795	2.848	2.806	2.847	2.844	2.894	2.780	2.824	2.848	2.825	2.825	2.839	2.891
0.000	0.000	0.000	0.002	0.000	0.006	0.000	0.003	0.005	0.007	0.005	0.009	0.010
5.840	5.755	5.834	5.849	5.805	5.738	5.908	5.821	5.840	5.811	5.854	5.859	5.785
0.037	0.037	0.053	0.047	0.043	0.045	0.036	0.049	0.032	0.030	0.042	0.028	0.033
3.329	3.305	3.305	3.260	3.304	3.280	3.323	3.305	3.272	3.319	3.268	3.280	3.221
0.010	0.015	0.013	0.010	0.008	0.014	0.012	0.009	0.010	0.013	0.013	0.014	0.011
12.012	11.960	12.011	12.015	12.004	11.976	12.058	12.010	12.009	12.006	12.008	12.029	11.950
0.010	0.001	0.000	0.006	0.013	0.003	0.009	0.012	0.009	0.010	0.007	0.010	0.011
0.004	0.000	0.004	0.006	0.000	0.000	0.000	0.023	0.013	0.000	0.006	0.000	0.000
0.000	0.005	0.006	0.002	0.001	0.012	0.000	0.005	0.000	0.000	0.001	0.000	0.001
20.025	19.967	20.021	20.029	20.018	19.992	20.067	20.051	20.031	20.016	20.022	20.039	19.962
5.648	5.659	5.677	5.761	5.727	5.801	5.709	5.734	5.761	5.706	5.715	5.783	5.725
2.816	2.879	2.833	2.868	2.860	2.927	2.804	2.844	2.874	2.858	2.858	2.876	2.922
0.637	0.635	0.638	0.642	0.637	0.636	0.640	0.638	0.641	0.636	0.642	0.641	0.642
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Pl	Pl	Pl	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample D1. Dobbiaco (Eastern Alps, Italy).													
Analysis	D44	D45	D46	D47	D48	D49	D50	D51	D52	D53	D54	D55	D56
SiO2	26.93	27.19	26.99	26.86	26.68	26.14	26.52	26.66	27.02	26.86	26.69	27.09	26.68
TiO2	0.04	0.08	0.05	0.04	0.03	0.05	0.06	0.07	0.01	0.03	0.07	0.10	0.05
Al2O3	19.19	18.78	19.33	19.29	19.78	19.06	19.30	18.91	18.93	19.13	18.75	18.79	18.97
Cr2O3	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.03	0.06	0.03	0.03	0.00	0.02
FeO	24.73	24.71	24.96	24.46	24.97	25.16	24.46	24.89	24.43	24.82	24.68	24.22	24.70
MnO	0.43	0.35	0.37	0.28	0.60	0.28	0.32	0.22	0.47	0.31	0.47	0.49	0.39
MgO	16.83	16.97	16.43	16.60	16.19	16.24	16.37	16.46	17.15	16.55	16.94	16.90	17.29
CaO	0.00	0.00	0.01	0.01	0.05	0.02	0.02	0.07	0.01	0.01	0.03	0.02	0.01
Na2O	0.00	0.02	0.03	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
K2O	0.00	0.00	0.04	0.00	0.00	0.03	0.00	0.00	0.01	0.02	0.00	0.00	0.00
Total	88.16	88.13	88.21	87.60	88.29	86.97	87.05	87.30	88.08	87.74	87.68	87.60	88.10
Si+4	5.627	5.680	5.641	5.638	5.577	5.563	5.608	5.634	5.647	5.642	5.619	5.685	5.584
AlIV	2.373	2.320	2.359	2.362	2.423	2.437	2.392	2.366	2.353	2.358	2.381	2.315	2.416
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.354	2.306	2.402	2.410	2.449	2.343	2.419	2.344	2.309	2.376	2.270	2.331	2.266
Cr+3	0.000	0.006	0.000	0.002	0.000	0.000	0.000	0.004	0.010	0.004	0.006	0.000	0.003
Fe+2	4.322	4.317	4.363	4.294	4.365	4.477	4.326	4.399	4.269	4.359	4.346	4.251	4.324
Mn+2	0.076	0.062	0.065	0.049	0.106	0.051	0.057	0.040	0.083	0.055	0.084	0.087	0.069
Mg+2	5.243	5.286	5.120	5.194	5.046	5.152	5.162	5.185	5.341	5.181	5.317	5.287	5.395
Ti+4	0.006	0.012	0.007	0.007	0.005	0.008	0.010	0.010	0.001	0.005	0.012	0.016	0.007
totVI	12.002	11.988	11.958	11.956	11.971	12.030	11.973	11.982	12.013	11.981	12.034	11.973	12.064
K+1	0.000	0.000	0.010	0.000	0.000	0.007	0.000	0.000	0.003	0.005	0.000	0.000	0.000
Na+1	0.002	0.007	0.011	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.001
Ca+2	0.000	0.001	0.003	0.003	0.011	0.005	0.004	0.017	0.002	0.001	0.006	0.003	0.002
Cations	20.004	19.996	19.982	19.978	19.982	20.042	19.977	19.999	20.018	19.986	20.042	19.976	20.066
Altot	4.727	4.625	4.760	4.773	4.872	4.780	4.810	4.710	4.661	4.734	4.651	4.646	4.681
AlVI+2Ti+C	10.526	10.444	10.489	10.461	10.635	10.539	10.506	10.446	10.520	10.469	10.548	10.489	10.553
Fe/Fe+Mg	0.452	0.450	0.460	0.453	0.464	0.465	0.456	0.459	0.444	0.457	0.450	0.446	0.445
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag
Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Sample D3. Dobbiaco (Eastern Alps, Italy).													
Analysis	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	D31	D32	D33
SiO2	26.83	26.70	26.89	26.93	26.99	26.78	26.53	26.46	26.84	26.42	26.71	27.10	27.22
TiO2	0.07	0.03	0.04	0.05	0.05	0.03	0.04	0.07	0.04	0.05	0.03	0.04	0.08
Al2O3	19.52	19.31	19.25	19.40	19.31	19.48	19.12	19.53	19.79	19.49	19.71	19.21	19.19
Cr2O3	0.04	0.00	0.00	0.00	0.04	0.06	0.04	0.00	0.05	0.00	0.02	0.01	0.10
FeO	25.39	24.54	23.85	24.34	24.17	23.84	24.37	24.01	24.43	24.02	23.75	24.14	23.92
MnO	0.28	0.35	0.46	0.51	0.41	0.49	0.60	0.52	0.28	0.43	0.40	0.35	0.48
MgO	16.60	17.23	17.28	17.22	17.49	17.18	17.06	17.18	17.02	17.26	17.22	17.44	17.62
CaO	0.03	0.03	0.02	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Na2O	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.00	0.04
K2O	0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01
Total	88.75	88.21	87.80	88.47	88.46	87.86	87.75	87.79	88.46	87.66	87.92	88.29	88.65
Si+4	5.582	5.574	5.619	5.598	5.603	5.592	5.573	5.542	5.575	5.539	5.570	5.632	5.633
AlIV	2.418	2.426	2.381	2.402	2.397	2.408	2.427	2.458	2.425	2.461	2.430	2.368	2.367
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.370	2.324	2.360	2.351	2.327	2.387	2.308	2.362	2.418	2.355	2.414	2.338	2.311
Cr+3	0.006	0.000	0.000	0.001	0.006	0.011	0.007	0.000	0.008	0.000	0.003	0.002	0.016
Fe+2	4.418	4.283	4.169	4.230	4.197	4.162	4.281	4.206	4.242	4.212	4.141	4.196	4.139
Mn+2	0.049	0.062	0.081	0.089	0.072	0.086	0.107	0.093	0.050	0.076	0.071	0.062	0.084
Mg+2	5.149	5.361	5.384	5.335	5.413	5.348	5.342	5.365	5.269	5.394	5.352	5.405	5.435
Ti+4	0.011	0.004	0.006	0.007	0.008	0.005	0.006	0.010	0.005	0.008	0.004	0.006	0.012
totVI	12.003	12.034	11.999	12.013	12.023	11.999	12.050	12.036	11.993	12.044	11.986	12.008	11.998
K+1	0.001	0.004	0.002	0.002	0.003	0.000	0.000	0.004	0.000	0.002	0.000	0.000	0.001
Na+1	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.019	0.000	0.018
Ca+2	0.006	0.007	0.004	0.005	0.000	0.002	0.001	0.000	0.000	0.000	0.007	0.000	0.000
Cations	20.010	20.053	20.005	20.019	20.026	20.000	20.051	20.039	19.995	20.046	20.012	20.008	20.017
Altot	4.788	4.750	4.740	4.753	4.724	4.795	4.735	4.820	4.844	4.816	4.844	4.707	4.679
AlVI+2Ti+(	10.516	10.550	10.542	10.580	10.541	10.580	10.640	10.643	10.525	10.612	10.571	10.491	10.534
Fe/Fe+Mg	0.462	0.444	0.436	0.442	0.437	0.438	0.445	0.439	0.446	0.438	0.436	0.437	0.432
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag
Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample D4. Dobbiaco (Eastern Alps, Italy).													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Analysis	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13
SiO2	26.33	26.39	26.34	26.22	26.52	26.61	26.53	26.63	26.67	26.70	26.52	26.20	26.13
TiO2	0.01	0.07	0.03	0.01	0.05	0.02	0.04	0.03	0.02	0.03	0.05	0.02	0.02
Al2O3	20.52	20.16	20.15	21.06	20.33	19.79	19.96	20.29	20.29	20.41	20.40	20.16	20.61
Cr2O3	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.02	0.00	0.02	0.04	0.00	0.01
FeO	22.04	22.36	22.71	23.74	22.86	23.44	22.48	20.83	22.06	21.73	22.63	22.47	21.63
MnO	0.18	0.21	0.18	0.23	0.19	0.16	0.25	0.32	0.27	0.27	0.17	0.16	0.25
MgO	17.33	17.47	17.43	16.06	16.89	16.59	17.19	18.35	17.62	17.95	17.33	16.85	17.62
CaO	0.03	0.02	0.02	0.03	0.02	0.02	0.01	0.04	0.01	0.00	0.01	0.02	0.01
Na2O	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.03	0.00	0.00	0.00	0.00
K2O	0.00	0.00	0.01	0.04	0.02	0.00	0.01	0.02	0.00	0.00	0.00	0.02	0.00
Total	86.45	86.68	86.87	87.40	86.89	86.64	86.48	86.53	86.96	87.10	87.15	85.90	86.28
Si+4	5.526	5.536	5.524	5.489	5.559	5.614	5.583	5.553	5.563	5.550	5.536	5.551	5.488
AlIV	2.474	2.464	2.476	2.511	2.441	2.386	2.417	2.447	2.437	2.450	2.464	2.449	2.512
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.602	2.522	2.506	2.686	2.583	2.533	2.532	2.538	2.552	2.551	2.554	2.585	2.590
Cr+3	0.001	0.000	0.000	0.002	0.002	0.000	0.000	0.003	0.000	0.003	0.006	0.000	0.002
Fe+2	3.869	3.923	3.984	4.156	4.008	4.135	3.957	3.632	3.849	3.777	3.950	3.982	3.798
Mn+2	0.031	0.037	0.032	0.041	0.034	0.029	0.045	0.056	0.048	0.048	0.030	0.029	0.045
Mg+2	5.421	5.462	5.449	5.012	5.279	5.216	5.392	5.704	5.479	5.561	5.392	5.323	5.518
Ti+4	0.002	0.010	0.004	0.002	0.008	0.004	0.006	0.005	0.003	0.004	0.008	0.003	0.003
totVI	11.927	11.954	11.976	11.898	11.914	11.916	11.932	11.937	11.931	11.944	11.941	11.922	11.955
K+1	0.000	0.000	0.002	0.009	0.006	0.000	0.004	0.004	0.000	0.000	0.000	0.007	0.000
Na+1	0.000	0.006	0.000	0.000	0.000	0.006	0.001	0.001	0.011	0.000	0.002	0.000	0.000
Ca+2	0.007	0.003	0.003	0.007	0.004	0.004	0.002	0.008	0.002	0.000	0.002	0.004	0.002
Cations	19.933	19.964	19.982	19.915	19.923	19.926	19.939	19.951	19.945	19.944	19.944	19.932	19.957
Altot	5.076	4.985	4.982	5.197	5.024	4.919	4.949	4.985	4.989	5.000	5.018	5.033	5.102
AlVI+2Ti+(	10.537	10.538	10.540	10.593	10.509	10.445	10.506	10.559	10.533	10.545	10.524	10.507	10.602
Fe/Fe+Mg	0.416	0.418	0.422	0.453	0.432	0.442	0.423	0.389	0.413	0.404	0.423	0.428	0.408
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm
Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Rec 2. Recoaro (Eastern Alps, Italy).													
Analysis	R87	R88	R89	R90	R91	R92	R93	R94	R64	R65	R66	R67	R68

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

SiO2	26.19	26.04	26.26	26.05	26.38	26.53	26.13	26.10	26.41	26.52	26.67	26.22	26.36
TiO2	0.05	0.04	0.06	0.05	0.04	0.06	0.07	0.08	0.09	0.10	0.11	0.16	0.15
Al2O3	20.25	21.12	20.92	21.02	20.75	21.05	20.98	21.10	20.38	20.39	20.06	20.86	20.51
Cr2O3	0.00	0.01	0.00	0.02	0.01	0.06	0.00	0.01	0.04	0.03	0.02	0.00	0.03
FeO	21.22	21.86	21.15	21.68	21.79	22.38	21.78	21.42	21.93	21.61	21.20	21.87	21.58
MnO	0.27	0.28	0.24	0.22	0.21	0.20	0.28	0.19	0.21	0.28	0.24	0.27	0.23
MgO	17.31	17.47	17.93	17.95	17.63	17.48	17.75	17.77	17.92	18.13	18.70	17.79	18.22
CaO	0.04	0.06	0.02	0.01	0.02	0.01	0.02	0.00	0.03	0.02	0.01	0.01	0.00
Na2O	0.02	0.00	0.00	0.00	0.01	0.09	0.00	0.01	0.02	0.00	0.01	0.00	0.03
K2O	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.01
Total	85.38	86.91	86.58	86.97	86.85	87.86	87.02	86.67	87.04	87.08	87.05	87.19	87.11
Si+4	5.550	5.435	5.477	5.426	5.503	5.484	5.445	5.446	5.504	5.515	5.538	5.454	5.481
AlIV	2.450	2.565	2.523	2.574	2.497	2.516	2.555	2.554	2.496	2.485	2.462	2.546	2.519
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.609	2.631	2.621	2.585	2.604	2.611	2.596	2.634	2.512	2.513	2.447	2.568	2.507
Cr+3	0.000	0.002	0.000	0.003	0.002	0.011	0.000	0.002	0.007	0.005	0.003	0.000	0.005
Fe+2	3.762	3.816	3.689	3.776	3.802	3.868	3.795	3.738	3.824	3.758	3.682	3.804	3.752
Mn+2	0.048	0.049	0.042	0.038	0.037	0.035	0.049	0.033	0.038	0.050	0.042	0.047	0.040
Mg+2	5.468	5.437	5.576	5.574	5.482	5.385	5.514	5.526	5.568	5.620	5.789	5.515	5.646
Ti+4	0.008	0.007	0.009	0.007	0.006	0.010	0.011	0.012	0.015	0.015	0.017	0.025	0.024
totVI	11.895	11.942	11.937	11.983	11.933	11.920	11.965	11.945	11.964	11.961	11.980	11.959	11.974
Na+1	0.008	0.000	0.000	0.000	0.003	0.036	0.000	0.003	0.006	0.001	0.005	0.000	0.011
K+1	0.007	0.009	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.002	0.005	0.003	0.002
Ca+2	0.010	0.013	0.004	0.002	0.005	0.002	0.004	0.000	0.007	0.005	0.002	0.003	0.000
Cations	19.920	19.963	19.941	19.986	19.942	19.956	19.969	19.948	19.977	19.969	19.994	19.966	19.986
Altot	5.059	5.196	5.144	5.159	5.101	5.127	5.151	5.188	5.008	4.998	4.909	5.114	5.026
AlVI+2Ti+(	2.625	2.647	2.639	2.602	2.618	2.642	2.618	2.660	2.549	2.548	2.484	2.618	2.560
Fe/Fe+Mg	0.408	0.412	0.398	0.404	0.410	0.418	0.408	0.403	0.407	0.401	0.389	0.408	0.399
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Ms	Ms	Ms	Ms	Ms
Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Rec 3. Recoaro (Eastern Alps, Italy).													
Analysis	R142	R143	R144	R145	R146	R147	R148	R149	R150	R151	R152	R153	R154
SiO2	26.63	26.24	26.28	26.47	26.44	26.21	27.01	26.51	26.64	26.45	26.08	26.28	25.88

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

TiO2	0.06	0.08	0.05	0.03	0.01	0.03	0.06	0.04	0.03	0.05	0.07	0.05	0.09
Al2O3	21.28	20.96	21.14	20.97	21.14	21.10	20.58	21.21	21.16	21.02	20.81	21.08	21.15
Cr2O3	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.02	0.06
FeO	21.45	21.58	21.25	21.61	21.57	21.37	20.98	21.42	21.27	21.51	21.89	21.66	21.60
MnO	0.22	0.30	0.22	0.17	0.22	0.21	0.18	0.25	0.17	0.17	0.24	0.20	0.28
MgO	18.43	18.79	18.44	18.50	18.75	18.74	19.15	18.62	18.61	18.47	18.20	18.22	18.32
CaO	0.02	0.03	0.01	0.02	0.02	0.01	0.00	0.01	0.00	0.04	0.00	0.03	0.01
Na2O	0.00	0.04	0.03	0.01	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00
K2O	0.00	0.00	0.02	0.00	0.02	0.01	0.00	0.03	0.02	0.00	0.04	0.03	0.04
Total	88.10	88.04	87.43	87.80	88.18	87.70	87.96	88.12	87.92	87.73	87.34	87.56	87.41
Si+4	5.459	5.400	5.431	5.453	5.425	5.405	5.531	5.437	5.467	5.450	5.363	5.420	5.435
AlIV	2.541	2.600	2.569	2.547	2.575	2.595	2.469	2.563	2.533	2.550	2.637	2.580	2.565
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.599	2.484	2.579	2.545	2.536	2.532	2.498	2.564	2.585	2.555	2.516	2.517	2.572
Cr+3	0.000	0.004	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.002	0.003
Fe+2	3.677	3.714	3.671	3.723	3.701	3.686	3.594	3.674	3.651	3.708	3.790	3.804	3.746
Mn+2	0.039	0.052	0.038	0.030	0.038	0.037	0.031	0.043	0.030	0.030	0.027	0.043	0.034
Mg+2	5.632	5.763	5.680	5.683	5.735	5.760	5.845	5.694	5.694	5.675	5.699	5.638	5.615
Ti+4	0.010	0.013	0.008	0.005	0.002	0.005	0.009	0.006	0.005	0.008	0.014	0.011	0.007
totVI	11.957	12.030	11.976	11.989	12.012	12.020	11.977	11.981	11.965	11.979	12.046	12.015	11.977
Na+1	0.000	0.014	0.012	0.004	0.000	0.004	0.002	0.011	0.000	0.000	0.000	0.000	0.000
K+1	0.000	0.001	0.005	0.000	0.005	0.002	0.000	0.008	0.006	0.000	0.001	0.011	0.008
Ca+2	0.005	0.007	0.002	0.004	0.004	0.002	0.000	0.002	0.000	0.008	0.001	0.000	0.007
Cations	19.962	20.051	19.995	19.997	20.020	20.029	19.978	20.002	19.971	19.988	20.047	20.025	19.992
Altot	5.140	5.084	5.148	5.092	5.111	5.127	4.967	5.127	5.118	5.105	5.153	5.097	5.137
AlVI+2Ti+(	2.619	2.514	2.595	2.558	2.540	2.542	2.516	2.576	2.595	2.574	2.544	2.541	2.589
Fe/Fe+Mg	0.395	0.392	0.393	0.396	0.392	0.390	0.381	0.392	0.391	0.395	0.399	0.403	0.400
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Ms	Ms	Ms
Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Rec 4. Recoaro (Eastern Alps, Italy).													
Analysis	R123	R124	R125	R126	R127	R128	R129	R130	R99	R100	R101	R102	R103
SiO2	26.70	26.72	26.14	26.46	26.84	26.30	26.12	26.40	26.75	26.29	26.28	26.24	26.23

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

TiO2	0.05	0.08	0.07	0.07	0.03	0.05	0.07	0.08	0.13	0.10	0.12	0.17	0.12
Al2O3	20.95	20.68	20.81	20.98	21.02	21.04	21.02	21.17	21.26	21.38	21.18	20.83	20.99
Cr2O3	0.04	0.00	0.00	0.01	0.01	0.02	0.00	0.02	0.04	0.03	0.00	0.03	0.02
FeO	21.41	21.35	20.82	21.35	20.98	21.75	21.42	20.74	21.36	21.10	21.55	20.84	20.97
MnO	0.24	0.25	0.20	0.26	0.24	0.19	0.21	0.19	0.25	0.24	0.22	0.23	0.26
MgO	18.56	18.40	18.54	18.45	18.61	18.39	18.24	18.49	18.16	18.14	18.07	18.70	18.49
CaO	0.03	0.00	0.01	0.02	0.00	0.02	0.00	0.00	0.01	0.00	0.02	0.02	0.01
Na2O	0.08	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
K2O	0.00	0.00	0.00	0.02	0.04	0.01	0.02	0.00	0.02	0.02	0.00	0.03	0.03
Total	88.06	87.52	86.60	87.60	87.76	87.76	87.10	87.08	87.97	87.29	87.43	87.11	87.11
Si+4	5.479	5.515	5.445	5.458	5.509	5.426	5.426	5.458	5.488	5.434	5.436	5.560	5.437
AlIV	2.521	2.485	2.555	2.542	2.491	2.574	2.574	2.542	2.512	2.566	2.564	2.440	2.563
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.547	2.547	2.554	2.559	2.595	2.544	2.573	2.616	2.628	2.642	2.601	2.473	2.523
Cr+3	0.006	0.000	0.000	0.001	0.002	0.003	0.000	0.003	0.006	0.004	0.000	0.005	0.004
Fe+2	3.674	3.685	3.627	3.683	3.602	3.754	3.720	3.586	3.664	3.648	3.728	3.601	3.610
Mn+2	0.041	0.044	0.034	0.045	0.041	0.032	0.037	0.033	0.043	0.042	0.038	0.043	0.041
Mg+2	5.679	5.661	5.758	5.674	5.694	5.658	5.648	5.698	5.554	5.590	5.572	5.804	5.775
Ti+4	0.007	0.012	0.010	0.011	0.004	0.008	0.010	0.012	0.019	0.016	0.019	0.027	0.026
totVI	11.954	11.949	11.983	11.973	11.938	11.999	11.988	11.948	11.914	11.942	11.958	11.953	11.979
Na+1	0.033	0.014	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.010
K+1	0.001	0.000	0.000	0.005	0.010	0.002	0.006	0.000	0.005	0.004	0.001	0.002	0.008
Ca+2	0.006	0.001	0.003	0.005	0.001	0.005	0.000	0.000	0.002	0.000	0.004	0.000	0.005
Cations	19.994	19.964	19.994	19.982	19.948	20.007	19.994	19.949	19.922	19.947	19.963	19.955	20.001
Altot	5.068	5.032	5.109	5.101	5.086	5.118	5.147	5.158	5.140	5.208	5.165	4.913	5.086
AlVI+2Ti+(	2.567	2.571	2.574	2.582	2.605	2.563	2.593	2.643	2.672	2.678	2.639	2.532	2.579
Fe/Fe+Mg	0.393	0.394	0.386	0.394	0.387	0.399	0.397	0.386	0.397	0.395	0.401	0.383	0.385
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Ms	Ms	Ms	Ms	Ms
Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Rec 6. Recoaro (Eastern Alps, Italy).													
Analysis	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13
SiO2	26.77	26.19	26.81	26.58	26.28	26.90	26.24	27.02	26.49	26.42	27.06	26.72	26.55

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

TiO2	0.05	0.01	0.06	0.01	0.04	0.05	0.03	0.04	0.06	0.04	0.06	0.01	0.13
Al2O3	20.86	20.78	20.60	20.98	20.98	21.29	20.94	20.74	20.96	21.19	21.96	20.95	20.96
Cr2O3	0.01	0.06	0.00	0.01	0.02	0.03	0.00	0.01	0.00	0.00	0.00	0.01	0.01
FeO	21.39	21.36	21.13	21.33	21.49	21.78	20.82	21.50	21.49	21.57	21.91	21.33	20.53
MnO	0.23	0.25	0.25	0.18	0.28	0.26	0.18	0.28	0.27	0.21	0.32	0.28	0.20
MgO	18.41	17.68	18.36	18.10	18.20	18.10	18.62	18.39	18.05	18.35	17.86	18.06	17.98
CaO	0.05	0.08	0.07	0.00	0.00	0.04	0.01	0.05	0.06	0.04	0.04	0.02	0.04
Na2O	0.02	0.03	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.05	0.00	0.01
K2O	0.02	0.00	0.12	0.02	0.00	0.01	0.04	0.03	0.05	0.00	0.00	0.03	0.04
Total	87.79	86.45	87.39	87.22	87.27	88.46	86.88	88.05	87.43	87.81	89.26	87.41	86.44
Si+4	5.508	5.482	5.539	5.501	5.449	5.498	5.446	5.543	5.480	5.440	5.477	5.520	5.524
AlIV	2.492	2.518	2.461	2.499	2.551	2.502	2.554	2.457	2.520	2.560	2.523	2.480	2.476
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.565	2.609	2.554	2.620	2.575	2.626	2.568	2.559	2.592	2.583	2.715	2.621	2.664
Cr+3	0.002	0.011	0.000	0.001	0.003	0.004	0.000	0.002	0.000	0.000	0.000	0.001	0.002
Fe+2	3.680	3.739	3.651	3.692	3.726	3.722	3.613	3.688	3.718	3.714	3.708	3.685	3.571
Mn+2	0.040	0.045	0.043	0.032	0.049	0.046	0.031	0.049	0.048	0.037	0.054	0.049	0.035
Mg+2	5.645	5.518	5.656	5.584	5.624	5.513	5.762	5.625	5.568	5.634	5.389	5.562	5.576
Ti+4	0.007	0.002	0.010	0.002	0.006	0.008	0.004	0.006	0.010	0.006	0.010	0.001	0.021
totVI	11.939	11.924	11.914	11.931	11.983	11.919	11.978	11.929	11.936	11.974	11.876	11.919	11.869
Na+1	0.007	0.013	0.000	0.006	0.000	0.000	0.003	0.000	0.000	0.000	0.019	0.000	0.005
K+1	0.005	0.000	0.031	0.005	0.000	0.002	0.010	0.007	0.012	0.000	0.000	0.008	0.010
Ca+2	0.010	0.017	0.015	0.000	0.000	0.009	0.003	0.011	0.013	0.008	0.009	0.005	0.008
Cations	19.962	19.954	19.960	19.943	19.981	19.929	19.995	19.946	19.961	19.982	19.904	19.932	19.891
Altot	5.057	5.127	5.015	5.119	5.126	5.128	5.122	5.016	5.112	5.143	5.238	5.101	5.140
AlVI+2Ti+(	2.581	2.624	2.574	2.625	2.590	2.646	2.576	2.573	2.612	2.595	2.735	2.624	2.708
Fe/Fe+Mg	0.395	0.404	0.392	0.398	0.399	0.403	0.385	0.396	0.400	0.397	0.408	0.399	0.390
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Ms	Ms	Ms
Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Ro1. Rodengo (Eastern Alps, Italy).													
Analysis	O61	O62	O63	O64	O65	O66	O67	O68	O69	O70	O81	O82	O83
SiO2	25.84	25.52	25.96	26.35	25.83	25.38	25.84	25.96	25.97	25.59	25.99	25.92	26.40

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

TiO2	0.07	0.08	0.10	0.10	0.10	0.12	0.07	0.07	0.08	0.10	0.10	0.12	0.09
Al2O3	21.86	22.03	21.38	21.71	21.82	21.91	21.66	22.01	21.84	21.99	21.38	22.13	20.45
Cr2O3	0.03	0.05	0.02	0.07	0.03	0.10	0.03	0.01	0.01	0.08	0.03	0.04	0.03
FeO	21.32	20.84	21.42	20.81	20.88	20.63	21.25	20.97	21.10	20.48	20.07	20.68	20.88
MnO	0.23	0.24	0.17	0.21	0.21	0.21	0.26	0.20	0.20	0.27	0.20	0.24	0.23
MgO	18.30	18.25	17.98	18.15	18.17	18.07	17.49	18.11	17.95	18.21	18.40	18.08	19.02
CaO	0.03	0.04	0.01	0.01	0.02	0.06	0.03	0.02	0.00	0.06	0.02	0.03	0.03
Na2O	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.04	0.00	0.03	0.00
K2O	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.05	0.00
Total	87.72	87.06	87.05	87.41	87.06	86.47	86.62	87.37	87.17	86.80	86.20	87.32	87.12
Si+4	5.327	5.290	5.393	5.427	5.350	5.295	5.391	5.357	5.375	5.313	5.416	5.348	5.470
AlIV	2.673	2.710	2.607	2.573	2.650	2.705	2.609	2.643	2.625	2.687	2.584	2.652	2.530
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.638	2.674	2.628	2.695	2.676	2.682	2.717	2.710	2.704	2.693	2.666	2.729	2.462
Cr+3	0.005	0.008	0.003	0.011	0.006	0.016	0.004	0.002	0.002	0.012	0.004	0.007	0.005
Fe+2	3.676	3.612	3.722	3.584	3.617	3.599	3.708	3.619	3.653	3.555	3.498	3.568	3.618
Mn+2	0.039	0.042	0.030	0.037	0.036	0.038	0.045	0.035	0.036	0.047	0.036	0.042	0.041
Mg+2	5.622	5.642	5.570	5.573	5.611	5.619	5.441	5.570	5.538	5.634	5.715	5.559	5.874
Ti+4	0.011	0.012	0.016	0.015	0.016	0.018	0.011	0.011	0.012	0.015	0.015	0.018	0.013
totVI	11.991	11.989	11.969	11.915	11.963	11.972	11.927	11.947	11.945	11.956	11.934	11.922	12.013
Na+1	0.012	0.004	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.014	0.000	0.012	0.000
K+1	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.005	0.014	0.000
Ca+2	0.007	0.010	0.003	0.002	0.005	0.013	0.006	0.004	0.001	0.013	0.005	0.006	0.006
Cations	20.011	20.005	19.972	19.918	19.968	19.985	19.932	19.958	19.949	19.983	19.944	19.953	20.019
Altot	5.311	5.383	5.235	5.269	5.326	5.387	5.326	5.353	5.329	5.380	5.250	5.381	4.992
AlVI+2Ti+(	2.665	2.706	2.663	2.736	2.714	2.734	2.743	2.734	2.730	2.735	2.700	2.772	2.493
Fe/Fe+Mg	0.395	0.390	0.401	0.391	0.392	0.390	0.405	0.394	0.397	0.387	0.380	0.391	0.381
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Ro2. Rodengo (Eastern Alps, Italy).													
Analysis	O1	O2	O3	O4	O5	O6	O7	O8	O9	O10	O21	O22	O23
SiO2	26.21	26.30	26.34	26.30	26.39	26.30	26.27	26.03	26.15	26.18	26.15	26.28	26.18
TiO2	0.09	0.09	0.09	0.07	0.08	0.07	0.10	0.10	0.12	0.06	0.12	0.07	0.09

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Al2O3	21.70	21.84	21.98	21.82	21.91	22.01	21.96	21.94	21.60	21.97	21.80	21.51	21.58
Cr2O3	0.00	0.00	0.02	0.04	0.03	0.02	0.00	0.03	0.05	0.01	0.07	0.02	0.07
FeO	21.73	20.99	20.65	21.14	21.21	20.76	20.85	21.05	20.82	21.28	20.69	21.39	20.83
MnO	0.24	0.20	0.15	0.13	0.17	0.17	0.21	0.19	0.11	0.24	0.17	0.20	0.23
MgO	18.43	18.66	18.67	18.85	18.84	19.07	19.02	18.75	19.05	18.55	19.05	18.59	18.47
CaO	0.01	0.00	0.03	0.02	0.03	0.00	0.03	0.00	0.02	0.00	0.02	0.03	0.01
Na2O	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.02	0.00
K2O	0.00	0.00	0.01	0.02	0.00	0.02	0.03	0.01	0.00	0.03	0.02	0.00	0.01
Total	88.41	88.08	87.94	88.39	88.65	88.42	88.45	88.11	87.91	88.32	88.10	88.11	87.46
Si+4	5.366	5.380	5.385	5.365	5.368	5.353	5.349	5.329	5.359	5.351	5.345	5.390	5.394
AlIV	2.634	2.620	2.615	2.635	2.632	2.647	2.651	2.671	2.641	2.649	2.655	2.610	2.606
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.601	2.645	2.680	2.612	2.621	2.630	2.618	2.623	2.575	2.645	2.597	2.589	2.635
Cr+3	0.000	0.001	0.002	0.006	0.005	0.003	0.000	0.005	0.009	0.001	0.011	0.002	0.011
Fe+2	3.720	3.590	3.531	3.606	3.608	3.534	3.550	3.604	3.568	3.639	3.537	3.668	3.590
Mn+2	0.042	0.035	0.026	0.023	0.029	0.029	0.035	0.033	0.019	0.041	0.029	0.035	0.040
Mg+2	5.623	5.689	5.691	5.733	5.712	5.787	5.774	5.721	5.819	5.652	5.804	5.682	5.673
Ti+4	0.013	0.014	0.014	0.011	0.011	0.010	0.015	0.015	0.018	0.010	0.018	0.010	0.014
totVI	12.000	11.973	11.944	11.990	11.985	11.994	11.992	12.001	12.007	11.987	11.996	11.987	11.962
Na+1	0.003	0.000	0.000	0.002	0.000	0.000	0.000	0.007	0.000	0.000	0.006	0.010	0.000
K+1	0.000	0.000	0.002	0.006	0.000	0.006	0.007	0.004	0.000	0.008	0.005	0.001	0.003
Ca+2	0.002	0.000	0.006	0.003	0.006	0.000	0.006	0.001	0.003	0.000	0.004	0.007	0.003
Cations	20.004	19.973	19.953	20.002	19.992	20.000	20.005	20.012	20.011	19.996	20.011	20.004	19.968
Altot	5.235	5.265	5.295	5.247	5.252	5.278	5.269	5.294	5.216	5.294	5.252	5.200	5.241
AlVI+2Ti+(	2.627	2.674	2.710	2.640	2.648	2.653	2.648	2.658	2.620	2.666	2.644	2.611	2.674
Fe/Fe+Mg	0.398	0.387	0.383	0.386	0.387	0.379	0.381	0.386	0.380	0.392	0.379	0.392	0.388
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample VD061. Dosso Caldo delle Felci (Eastern Alps, Italy).													
Analysis	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V21	V22	V23
SiO2	27.07	26.83	26.81	26.89	26.51	26.82	26.40	26.79	26.80	26.78	27.11	26.87	26.88
TiO2	0.08	0.07	0.09	0.07	0.07	0.09	0.06	0.10	0.05	0.05	0.06	0.08	0.07
Al2O3	20.79	20.95	20.73	21.14	21.51	20.77	21.16	20.90	20.70	21.38	20.78	21.03	20.41

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Cr2O3	0.00	0.04	0.04	0.05	0.01	0.02	0.04	0.00	0.02	0.00	0.00	0.00	0.01
FeO	19.13	18.87	19.11	19.28	18.95	18.70	18.58	18.49	18.69	19.06	19.21	18.87	19.64
MnO	0.15	0.15	0.15	0.18	0.23	0.14	0.13	0.20	0.18	0.18	0.16	0.19	0.19
MgO	20.36	20.56	20.00	20.14	19.84	20.29	20.32	20.34	20.07	20.12	19.74	20.03	19.99
CaO	0.01	0.01	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.01	0.06	0.00	0.03
Na2O	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.00
K2O	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.01	0.00	0.01	0.00	0.02
Total	87.58	87.47	86.92	87.77	87.11	86.83	86.72	86.84	86.52	87.59	87.13	87.08	87.24
Si+4	5.513	5.467	5.505	5.470	5.427	5.500	5.423	5.490	5.517	5.451	5.552	5.497	5.519
AlIV	2.487	2.533	2.495	2.530	2.573	2.500	2.577	2.510	2.483	2.549	2.448	2.503	2.481
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.502	2.497	2.521	2.538	2.616	2.521	2.545	2.537	2.540	2.581	2.566	2.569	2.457
Cr+3	0.000	0.006	0.006	0.007	0.002	0.003	0.006	0.000	0.004	0.000	0.000	0.000	0.002
Fe+2	3.258	3.215	3.282	3.281	3.244	3.207	3.192	3.168	3.217	3.246	3.290	3.228	3.372
Mn+2	0.025	0.027	0.026	0.031	0.040	0.024	0.023	0.035	0.032	0.031	0.027	0.032	0.033
Mg+2	6.181	6.247	6.122	6.107	6.053	6.205	6.222	6.213	6.160	6.107	6.027	6.109	6.119
Ti+4	0.012	0.010	0.013	0.010	0.011	0.013	0.010	0.015	0.008	0.008	0.008	0.012	0.010
totVI	11.978	12.003	11.971	11.975	11.966	11.973	11.999	11.969	11.961	11.973	11.918	11.951	11.992
K+1	0.000	0.000	0.000	0.002	0.000	0.001	0.000	0.005	0.002	0.000	0.004	0.000	0.005
Na+1	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.001	0.000	0.000	0.007	0.000
Ca+2	0.002	0.002	0.000	0.007	0.000	0.002	0.001	0.000	0.000	0.003	0.013	0.001	0.006
Cations	19.981	20.004	19.971	19.983	19.966	19.975	20.006	19.974	19.963	19.976	19.934	19.958	20.004
Altot	4.989	5.031	5.016	5.069	5.189	5.020	5.122	5.047	5.023	5.130	5.015	5.072	4.938
AlVI+2Ti+(	10.538	10.586	10.547	10.593	10.653	10.548	10.623	10.581	10.547	10.611	10.502	10.568	10.547
Fe/Fe+Mg	0.345	0.340	0.349	0.349	0.349	0.341	0.339	0.338	0.343	0.347	0.353	0.346	0.355
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample VD062. Dosso Caldo delle Felci (Eastern Alps, Italy).													
Analysis	V41	V42	V43	V44	V45	V46	V47	V48	V49	V50	V51	V52	V53
SiO2	27.02	27.10	26.92	26.88	26.94	27.14	27.65	27.37	26.83	26.95	27.47	27.11	27.31
TiO2	0.06	0.08	0.01	0.03	0.06	0.04	0.06	0.06	0.05	0.12	0.06	0.04	0.01
Al2O3	19.43	19.30	18.97	19.38	19.55	19.32	19.12	18.96	19.34	20.15	18.95	19.50	19.02
Cr2O3	0.05	0.06	0.00	0.00	0.02	0.03	0.04	0.04	0.08	0.06	0.08	0.00	0.05

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

FeO	23.62	23.27	22.67	22.19	23.79	23.13	23.49	23.34	23.95	23.50	23.68	23.04	24.03
MnO	0.26	0.14	0.21	0.51	0.18	0.25	0.22	0.23	0.35	0.18	0.23	0.19	0.29
MgO	16.86	17.04	17.12	16.94	17.31	16.94	17.07	17.21	16.53	17.25	16.94	17.22	17.00
CaO	0.04	0.00	0.03	0.04	0.00	0.03	0.00	0.02	0.03	0.02	0.03	0.00	0.02
Na2O	0.01	0.00	0.00	0.03	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.01
K2O	0.02	0.01	0.02	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.15	0.00	0.00
Total	87.34	86.98	85.94	86.00	87.86	86.90	87.65	87.26	87.17	88.23	87.58	87.09	87.74
Si+4	5.659	5.684	5.707	5.685	5.611	5.697	5.755	5.727	5.647	5.577	5.740	5.672	5.705
AlIV	2.341	2.316	2.293	2.315	2.389	2.303	2.245	2.273	2.353	2.423	2.260	2.328	2.295
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.455	2.455	2.446	2.516	2.411	2.478	2.447	2.403	2.445	2.490	2.407	2.480	2.387
Cr+3	0.008	0.009	0.000	0.000	0.003	0.005	0.006	0.007	0.012	0.010	0.014	0.000	0.009
Fe+2	4.137	4.082	4.018	3.925	4.144	4.061	4.088	4.085	4.215	4.067	4.137	4.030	4.198
Mn+2	0.046	0.024	0.037	0.092	0.032	0.045	0.039	0.041	0.061	0.031	0.041	0.033	0.052
Mg+2	5.263	5.329	5.411	5.341	5.377	5.301	5.297	5.367	5.188	5.321	5.278	5.369	5.294
Ti+4	0.009	0.012	0.001	0.005	0.009	0.006	0.010	0.009	0.008	0.018	0.009	0.006	0.001
totVI	11.918	11.912	11.913	11.879	11.976	11.895	11.886	11.912	11.930	11.938	11.885	11.918	11.942
K+1	0.005	0.001	0.005	0.000	0.001	0.004	0.000	0.000	0.003	0.000	0.039	0.000	0.000
Na+1	0.003	0.000	0.000	0.011	0.003	0.000	0.000	0.015	0.000	0.001	0.000	0.000	0.003
Ca+2	0.009	0.001	0.007	0.010	0.000	0.007	0.000	0.003	0.008	0.005	0.007	0.000	0.005
Cations	19.934	19.914	19.925	19.900	19.980	19.906	19.886	19.931	19.941	19.944	19.931	19.918	19.950
Altot	4.796	4.771	4.739	4.831	4.800	4.780	4.691	4.676	4.798	4.913	4.667	4.809	4.682
AlVI+2Ti+(	10.432	10.365	10.366	10.498	10.452	10.392	10.322	10.356	10.476	10.486	10.342	10.395	10.398
Fe/Fe+Mg	0.440	0.434	0.426	0.424	0.435	0.434	0.436	0.432	0.448	0.433	0.439	0.429	0.442
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl
Chlorites in LP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample VD068. Dosso Caldo delle Felci (Eastern Alps, Italy).													
Analysis	V85	V86	V87	V88	V89	V90	V91	V92	V93	V94	V95	V96	V97
SiO2	26.12	26.32	26.19	26.46	26.08	26.25	26.37	26.11	26.34	26.37	26.34	26.47	26.07
TiO2	0.07	0.07	0.09	0.08	0.04	0.07	0.08	0.06	0.06	0.06	0.08	0.07	0.11
Al2O3	21.34	21.70	21.57	21.35	21.10	21.89	21.50	21.52	21.26	21.54	20.97	21.15	21.18
Cr2O3	0.64	0.51	0.50	0.52	0.55	0.21	0.53	0.46	0.27	0.20	0.19	0.38	0.36
FeO	17.73	17.42	17.73	17.51	17.91	17.71	17.85	17.68	18.28	18.01	17.89	17.90	17.72

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

MnO	0.15	0.19	0.18	0.23	0.21	0.19	0.17	0.18	0.19	0.18	0.19	0.15	0.22
MgO	20.92	20.56	20.40	20.16	20.78	20.83	20.81	20.49	21.02	20.95	21.01	20.85	21.15
CaO	0.01	0.03	0.08	0.08	0.06	0.04	0.04	0.05	0.05	0.07	0.02	0.02	0.02
Na2O	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
K2O	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00
Total	86.99	86.83	86.73	86.40	86.72	87.19	87.34	86.53	87.47	87.37	86.70	86.98	86.82
Si+4	5.338	5.373	5.365	5.432	5.355	5.341	5.365	5.358	5.363	5.364	5.400	5.407	5.340
AlIV	2.662	2.627	2.635	2.568	2.645	2.659	2.635	2.642	2.637	2.636	2.600	2.593	2.660
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.479	2.594	2.571	2.598	2.460	2.589	2.521	2.564	2.465	2.528	2.467	2.498	2.452
Cr+3	0.104	0.082	0.081	0.084	0.089	0.034	0.084	0.074	0.043	0.032	0.031	0.061	0.059
Fe+2	3.031	2.974	3.037	3.006	3.076	3.014	3.036	3.034	3.113	3.063	3.068	3.058	3.035
Mn+2	0.026	0.033	0.030	0.040	0.036	0.033	0.029	0.031	0.033	0.031	0.034	0.025	0.037
Mg+2	6.373	6.258	6.227	6.171	6.362	6.319	6.311	6.269	6.379	6.352	6.422	6.348	6.455
Ti+4	0.011	0.010	0.014	0.013	0.006	0.010	0.013	0.009	0.010	0.009	0.012	0.011	0.016
totVI	12.024	11.952	11.961	11.911	12.029	11.999	11.994	11.981	12.043	12.014	12.033	12.000	12.055
K+1	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.004	0.000
Na+1	0.006	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.001	0.000
Ca+2	0.002	0.007	0.017	0.018	0.014	0.009	0.008	0.011	0.011	0.015	0.004	0.004	0.004
Cations	20.032	19.970	19.978	19.932	20.042	20.008	20.002	19.993	20.056	20.029	20.041	20.008	20.058
Altot	5.142	5.221	5.207	5.166	5.106	5.249	5.156	5.206	5.102	5.163	5.066	5.091	5.112
AlVI+2Ti+(	10.714	10.693	10.696	10.647	10.717	10.725	10.693	10.703	10.703	10.697	10.667	10.643	10.735
Fe/Fe+Mg	0.322	0.322	0.328	0.328	0.326	0.323	0.325	0.326	0.328	0.325	0.323	0.325	0.320
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
Chlorites in MP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 4/1B. Central Scottish Highlands.													
Analysis	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
SiO2	26.57	26.50	26.40	26.35	26.67	26.65	26.69	26.14	26.43	26.53	26.64	26.25	26.35
TiO2	0.02	0.02	0.00	0.06	0.03	0.04	0.03	0.04	0.05	0.03	0.00	0.03	0.01
Al2O3	20.20	19.80	20.06	20.08	19.96	20.12	19.88	20.09	20.09	20.17	20.03	19.95	19.85
Cr2O3	0.08	0.06	0.09	0.09	0.08	0.06	0.06	0.03	0.12	0.10	0.00	0.08	0.03
FeO	23.67	23.50	23.59	23.54	23.49	24.22	23.61	23.54	23.48	23.77	23.55	23.27	23.72
MnO	0.34	0.36	0.38	0.39	0.36	0.33	0.36	0.38	0.37	0.27	0.35	0.27	0.33

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

MgO	16.65	16.76	16.53	16.56	17.03	16.67	17.03	16.49	16.78	16.79	16.70	16.64	16.73
CaO	0.01	0.02	0.01	0.06	0.05	0.00	0.02	0.02	0.04	0.03	0.02	0.06	0.01
Na2O	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
K2O	0.03	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Total	87.56	87.03	87.09	87.12	87.70	88.09	87.68	86.71	87.36	87.68	87.31	86.55	87.05
Si+4	5.556	5.575	5.553	5.541	5.566	5.553	5.573	5.524	5.538	5.543	5.582	5.549	5.551
AlIV	2.444	2.425	2.447	2.459	2.434	2.447	2.427	2.476	2.462	2.457	2.418	2.451	2.449
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.534	2.484	2.528	2.518	2.475	2.492	2.465	2.528	2.501	2.507	2.530	2.519	2.479
Cr+3	0.013	0.010	0.015	0.014	0.014	0.010	0.010	0.005	0.019	0.017	0.000	0.012	0.004
Fe+2	4.139	4.134	4.150	4.139	4.099	4.220	4.123	4.160	4.116	4.152	4.127	4.114	4.178
Mn+2	0.060	0.065	0.067	0.070	0.064	0.059	0.063	0.068	0.066	0.048	0.063	0.048	0.059
Mg+2	5.191	5.258	5.184	5.191	5.297	5.179	5.302	5.196	5.242	5.228	5.217	5.244	5.254
Ti+4	0.004	0.003	0.000	0.009	0.004	0.006	0.004	0.006	0.008	0.004	0.001	0.004	0.001
totVI	11.940	11.955	11.943	11.941	11.952	11.966	11.968	11.962	11.953	11.957	11.938	11.941	11.975
K+1	0.007	0.000	0.002	0.001	0.010	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.006
Na+1	0.000	0.003	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ca+2	0.002	0.005	0.003	0.013	0.012	0.001	0.003	0.004	0.009	0.006	0.004	0.013	0.003
Cations	19.949	19.963	19.958	19.955	19.973	19.966	19.972	19.966	19.962	19.962	19.945	19.956	19.985
Altot	4.978	4.909	4.974	4.977	4.908	4.939	4.893	5.004	4.963	4.965	4.948	4.970	4.928
AlVI+2Ti+(	2.555	2.500	2.543	2.550	2.497	2.514	2.483	2.545	2.536	2.532	2.532	2.539	2.485
Fe/Fe+Mg	0.444	0.440	0.445	0.444	0.436	0.449	0.437	0.445	0.440	0.443	0.442	0.440	0.443
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz
Chlorites in MP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 4/2B. Central Scottish Highlands.													
Analysis	F45	F46	F47	F48	F49	F50	F51	F52	F53	F54	F55	F56	F57
SiO2	26.04	26.16	25.90	26.01	25.82	26.11	25.79	25.71	25.96	26.04	25.89	25.81	25.85
TiO2	0.04	0.07	0.05	0.03	0.05	0.01	0.05	0.06	0.06	0.08	0.04	0.04	0.03
Al2O3	19.43	19.47	19.53	19.37	19.43	19.73	19.49	19.44	19.54	19.75	19.72	19.44	19.41
Cr2O3	0.01	0.05	0.09	0.00	0.06	0.06	0.00	0.08	0.05	0.08	0.08	0.06	0.08
FeO	26.73	26.55	26.77	26.66	26.93	26.83	26.52	26.88	26.94	26.97	26.46	26.98	27.13

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

MnO	0.40	0.36	0.36	0.37	0.35	0.33	0.36	0.34	0.37	0.36	0.38	0.34	0.39
MgO	14.69	14.68	14.58	14.61	14.35	14.55	14.41	14.49	14.38	14.51	14.36	14.22	14.55
CaO	0.01	0.00	0.03	0.00	0.02	0.01	0.02	0.00	0.02	0.00	0.01	0.02	0.01
Na2O	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
K2O	0.00	0.01	0.03	0.00	0.03	0.00	0.00	0.00	0.02	0.01	0.02	0.00	0.00
Total	87.35	87.34	87.35	87.05	87.04	87.65	86.64	86.99	87.33	87.79	86.97	86.91	87.45
Si+4	5.561	5.580	5.536	5.573	5.545	5.554	5.550	5.524	5.552	5.536	5.547	5.551	5.531
AlIV	2.439	2.420	2.464	2.427	2.455	2.446	2.450	2.476	2.448	2.464	2.453	2.449	2.469
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.451	2.472	2.456	2.463	2.462	2.501	2.495	2.446	2.476	2.484	2.525	2.478	2.425
Cr+3	0.002	0.009	0.016	0.000	0.010	0.011	0.000	0.013	0.009	0.013	0.014	0.011	0.013
Fe+2	4.775	4.735	4.785	4.776	4.836	4.773	4.773	4.830	4.818	4.795	4.742	4.852	4.853
Mn+2	0.072	0.064	0.065	0.068	0.064	0.060	0.065	0.062	0.067	0.066	0.070	0.063	0.070
Mg+2	4.677	4.667	4.644	4.665	4.594	4.614	4.624	4.641	4.586	4.600	4.588	4.558	4.639
Ti+4	0.006	0.011	0.009	0.005	0.008	0.002	0.009	0.009	0.010	0.012	0.007	0.007	0.005
totVI	11.983	11.958	11.975	11.977	11.974	11.960	11.965	12.000	11.966	11.970	11.945	11.969	12.007
K+1	0.001	0.002	0.008	0.000	0.009	0.000	0.000	0.000	0.004	0.002	0.005	0.000	0.000
Na+1	0.000	0.000	0.004	0.000	0.001	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ca+2	0.003	0.000	0.006	0.000	0.004	0.001	0.004	0.000	0.004	0.000	0.003	0.005	0.003
Cations	19.987	19.960	19.994	19.977	19.988	19.969	19.969	20.000	19.974	19.972	19.952	19.974	20.010
Altot	4.890	4.892	4.920	4.890	4.917	4.946	4.944	4.922	4.924	4.948	4.978	4.927	4.894
AlVI+Cr+2T	2.465	2.503	2.490	2.473	2.488	2.516	2.513	2.477	2.505	2.521	2.553	2.503	2.448
Fe/Fe+Mg	0.505	0.504	0.507	0.506	0.513	0.508	0.508	0.510	0.512	0.510	0.508	0.516	0.511
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz
Chlorites in MP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 527B. Vizze Valley (Tauern Window, Eastern Alps, Italy).													
Analysis	W38	W39	W40	W41	W42	W43	W44	W45	W46	W47	W48	W49	W50
SiO2	27.01	27.00	26.73	26.81	27.22	26.91	27.04	26.97	26.74	26.81	26.43	27.03	27.02
TiO2	0.10	0.10	0.06	0.04	0.07	0.06	0.07	0.07	0.06	0.04	0.09	0.07	0.07
Al2O3	21.92	21.86	22.00	21.81	22.36	21.61	21.79	21.70	21.60	21.72	22.07	21.59	21.92
Cr2O3	0.09	0.08	0.06	0.13	0.10	0.07	0.07	0.13	0.10	0.11	0.04	0.06	0.03

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

FeO	18.31	18.68	18.21	18.32	18.25	18.29	18.19	18.33	18.17	17.92	18.16	17.21	17.73
MnO	0.25	0.18	0.20	0.22	0.22	0.17	0.22	0.21	0.23	0.25	0.19	0.24	0.22
MgO	20.11	20.14	20.16	20.23	20.53	20.16	20.30	20.25	20.14	20.34	20.24	20.33	20.16
CaO	0.03	0.04	0.07	0.01	0.03	0.07	0.00	0.05	0.08	0.03	0.04	0.04	0.02
Na2O	0.00	0.01	0.00	0.00	0.04	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
K2O	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.00	0.02	0.01
Total	87.83	88.12	87.50	87.57	88.82	87.36	87.66	87.72	87.13	87.23	87.26	86.61	87.19
Si+4	5.458	5.449	5.422	5.437	5.431	5.469	5.469	5.460	5.449	5.448	5.376	5.509	5.481
AlIV	2.542	2.551	2.578	2.563	2.569	2.531	2.531	2.540	2.551	2.552	2.624	2.491	2.519
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.679	2.648	2.681	2.651	2.689	2.646	2.662	2.637	2.638	2.652	2.670	2.695	2.721
Cr+3	0.014	0.014	0.010	0.020	0.016	0.011	0.011	0.021	0.016	0.018	0.007	0.009	0.005
Fe+2	3.095	3.153	3.089	3.106	3.046	3.108	3.076	3.102	3.098	3.047	3.091	2.934	3.008
Mn+2	0.042	0.030	0.034	0.038	0.037	0.029	0.037	0.036	0.039	0.044	0.033	0.042	0.037
Mg+2	6.058	6.059	6.095	6.115	6.107	6.108	6.122	6.110	6.119	6.163	6.138	6.177	6.097
Ti+4	0.014	0.015	0.010	0.006	0.011	0.009	0.010	0.011	0.009	0.005	0.014	0.011	0.010
totVI	11.902	11.919	11.919	11.937	11.906	11.911	11.919	11.917	11.918	11.929	11.952	11.869	11.879
K+1	0.001	0.003	0.001	0.000	0.000	0.000	0.000	0.005	0.003	0.002	0.000	0.006	0.003
Na+1	0.000	0.004	0.000	0.000	0.017	0.006	0.000	0.000	0.005	0.000	0.000	0.002	0.000
Ca+2	0.007	0.008	0.015	0.003	0.006	0.014	0.000	0.011	0.017	0.005	0.008	0.010	0.005
Cations	19.910	19.934	19.934	19.940	19.929	19.931	19.919	19.933	19.943	19.936	19.960	19.886	19.888
Altot	5.221	5.199	5.260	5.214	5.258	5.176	5.194	5.176	5.188	5.203	5.293	5.186	5.240
AlVI+2Ti+(	2.722	2.691	2.710	2.683	2.728	2.674	2.694	2.679	2.672	2.681	2.704	2.727	2.747
Fe/Fe+Mg	0.338	0.342	0.336	0.337	0.333	0.337	0.334	0.337	0.336	0.331	0.335	0.322	0.330
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl
	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep
Chlorites in MP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 340B. Vizze Valley (Tauern Window, Eastern Alps, Italy).													
Analysis	W161	W162	W163	W163b	W164	W165	W166	W167	W169	W170	W171	W172	W173
SiO2	26.99	26.97	26.89	26.88	26.85	27.32	26.84	26.97	27.06	26.69	26.74	26.74	26.96
TiO2	0.08	0.08	0.07	0.10	0.08	0.09	0.07	0.05	0.10	0.07	0.08	0.07	0.06
Al2O3	21.52	21.35	21.35	21.38	21.53	21.36	21.41	21.66	21.69	21.33	21.12	21.13	20.93

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Cr2O3	0.06	0.11	0.05	0.01	0.09	0.05	0.00	0.08	0.04	0.04	0.01	0.06	0.13
FeO	16.85	16.80	16.71	16.65	17.16	16.68	16.98	16.92	17.17	16.79	16.88	16.38	16.42
MnO	0.18	0.15	0.17	0.19	0.18	0.20	0.21	0.19	0.26	0.18	0.14	0.14	0.19
MgO	21.68	21.75	21.75	21.83	21.30	21.89	21.68	21.47	21.57	21.55	21.83	21.48	21.70
CaO	0.02	0.04	0.02	0.01	0.04	0.05	0.07	0.03	0.04	0.03	0.03	0.03	0.01
Na2O	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.03	0.00
K2O	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	87.38	87.25	87.02	87.06	87.24	87.67	87.27	87.37	87.93	86.68	86.82	86.08	86.40
Si+4	5.444	5.449	5.445	5.439	5.437	5.486	5.429	5.443	5.433	5.431	5.435	5.468	5.493
AlIV	2.556	2.551	2.555	2.561	2.563	2.514	2.571	2.557	2.567	2.569	2.565	2.532	2.507
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.562	2.532	2.541	2.538	2.574	2.543	2.534	2.594	2.566	2.548	2.494	2.561	2.520
Cr+3	0.010	0.017	0.008	0.001	0.015	0.008	0.000	0.012	0.007	0.007	0.002	0.010	0.021
Fe+2	2.843	2.839	2.829	2.818	2.905	2.802	2.872	2.855	2.884	2.858	2.870	2.802	2.797
Mn+2	0.031	0.027	0.029	0.033	0.031	0.034	0.035	0.032	0.044	0.031	0.024	0.024	0.033
Mg+2	6.521	6.553	6.567	6.586	6.430	6.554	6.537	6.458	6.458	6.536	6.615	6.549	6.592
Ti+4	0.011	0.012	0.011	0.015	0.012	0.013	0.011	0.008	0.015	0.011	0.012	0.011	0.008
totVI	11.977	11.980	11.987	11.991	11.966	11.954	11.989	11.960	11.974	11.990	12.016	11.956	11.971
K+1	0.000	0.000	0.000	0.004	0.001	0.000	0.001	0.000	0.000	0.001	0.000	0.001	0.000
Na+1	0.000	0.000	0.000	0.001	0.000	0.007	0.004	0.000	0.000	0.000	0.000	0.012	0.000
Ca+2	0.004	0.009	0.005	0.002	0.008	0.011	0.016	0.007	0.008	0.006	0.007	0.007	0.003
Cations	19.981	19.989	19.992	19.998	19.976	19.971	20.010	19.967	19.982	19.997	20.023	19.976	19.974
Altot	5.117	5.083	5.096	5.099	5.138	5.056	5.105	5.151	5.133	5.116	5.059	5.093	5.027
AlVI+2Ti+(	2.594	2.573	2.572	2.569	2.613	2.577	2.556	2.623	2.604	2.576	2.520	2.593	2.558
Fe/Fe+Mg	0.304	0.302	0.301	0.300	0.311	0.299	0.305	0.307	0.309	0.304	0.303	0.300	0.298
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl
	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep
Chlorites in MP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 6965. Western Scottish Highlands.													
Analysis	B1	B2	B3	B4	B5	B6	B7	B8	B9	B11	B12	B13	B14
SiO2	26.79	26.53	26.82	26.57	26.78	26.88	26.61	26.70	26.87	26.71	26.22	26.74	26.48
TiO2	0.03	0.06	0.06	0.06	0.07	0.11	0.04	0.05	0.09	0.06	0.05	0.04	0.07

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Al2O3	19.02	19.24	19.36	19.32	18.95	19.18	19.44	19.47	19.60	20.05	19.43	19.42	19.46
Cr2O3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.03
FeO	23.77	23.61	24.49	23.60	23.43	23.34	24.06	24.29	23.93	24.27	23.73	24.52	23.23
MnO	0.29	0.31	0.29	0.33	0.36	0.39	0.34	0.37	0.28	0.33	0.30	0.35	0.27
MgO	17.58	17.24	17.27	17.25	17.46	17.44	17.35	17.46	17.37	16.93	17.15	16.62	16.91
CaO	0.00	0.02	0.04	0.02	0.01	0.04	0.00	0.00	0.04	0.04	0.00	0.03	0.00
Na2O	0.01	0.03	0.00	0.00	0.04	0.02	0.01	0.01	0.00	0.00	0.00	0.01	0.00
K2O	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.01	0.00	0.02	0.01	0.00	0.01
Total	87.49	87.04	88.37	87.16	87.11	87.39	87.85	88.35	88.19	88.46	86.89	87.72	86.46
Si+4	5.616	5.588	5.584	5.588	5.631	5.628	5.563	5.556	5.585	5.540	5.609	5.517	5.520
AlIV	2.384	2.412	2.416	2.412	2.369	2.372	2.437	2.444	2.415	2.460	2.391	2.483	2.480
totVI	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.313	2.365	2.333	2.377	2.328	2.360	2.354	2.331	2.385	2.376	2.411	2.368	2.413
Cr+3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.011
Fe+2	4.166	4.160	4.265	4.150	4.121	4.087	4.207	4.227	4.160	4.193	4.301	4.185	4.209
Mn+2	0.051	0.055	0.052	0.059	0.063	0.069	0.060	0.065	0.050	0.054	0.063	0.053	0.062
Mg+2	5.493	5.415	5.361	5.408	5.474	5.443	5.407	5.415	5.382	5.403	5.196	5.425	5.309
Ti+4	0.005	0.009	0.009	0.009	0.010	0.018	0.006	0.008	0.014	0.008	0.006	0.008	0.006
totVI	12.027	12.004	12.020	12.003	11.997	11.977	12.034	12.046	11.992	12.033	11.977	12.040	12.009
K+1	0.000	0.000	0.008	0.000	0.003	0.000	0.000	0.004	0.001	0.002	0.000	0.001	0.010
Na+1	0.006	0.012	0.000	0.000	0.017	0.007	0.002	0.002	0.000	0.000	0.002	0.000	0.000
Ca+2	0.001	0.005	0.008	0.005	0.003	0.008	0.001	0.000	0.009	0.000	0.006	0.009	0.009
Cations	20.034	20.021	20.036	20.008	20.020	19.992	20.037	20.051	20.001	20.035	19.985	20.050	20.027
Altot	4.697	4.778	4.749	4.789	4.697	4.732	4.791	4.774	4.800	4.837	4.801	4.851	4.893
AlVI+Cr+2	2.322	2.383	2.352	2.396	2.348	2.395	2.365	2.347	2.414	2.392	2.423	2.384	2.436
Fe/Fe+Mg	0.431	0.434	0.443	0.434	0.429	0.429	0.438	0.438	0.436	0.437	0.453	0.435	0.442
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Act	Act	Act	Act	Act	Act	Act	Act	Act	Act	Act	Act	Act
	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep
Chlorites in HP metabasic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample Groix. Ile de Groix (Armorican Massif).													
Analysis	CR1	CR2	CR3	CR4	CR5	CR5a	CR6	CR7	CR8	CR9	CR10	CR11	CR12
SiO2	26.04	26.18	26.17	26.01	26.38	25.88	26.28	26.18	26.08	26.05	26.16	26.24	26.24

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

TiO2	0.05	0.04	0.05	0.03	0.05	0.05	0.08	0.06	0.07	0.05	0.04	0.05	0.02
Al2O3	19.58	20.05	20.09	19.95	19.91	19.82	19.99	20.05	20.00	19.78	20.33	20.02	19.48
Cr2O3	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.02	0.02
FeO	24.51	25.07	24.97	24.97	25.04	25.14	25.14	24.49	25.36	25.44	25.05	25.44	25.34
MnO	0.29	0.27	0.24	0.20	0.21	0.27	0.25	0.29	0.29	0.25	0.25	0.20	0.20
MgO	16.26	16.39	16.27	16.54	16.40	16.27	16.33	16.08	16.21	16.08	16.32	16.36	16.16
CaO	0.51	0.06	0.00	0.02	0.01	0.04	0.02	0.04	0.00	0.01	0.08	0.00	0.01
Na2O	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.01
K2O	0.02	0.04	0.02	0.03	0.00	0.01	0.04	0.07	0.06	0.05	0.04	0.05	0.03
Total	87.26	88.09	87.82	87.74	88.04	87.47	88.16	87.29	88.09	87.70	88.25	88.37	87.49
Si+4	5.511	5.488	5.497	5.473	5.527	5.472	5.505	5.524	5.478	5.499	5.470	5.490	5.547
AlIV	2.489	2.512	2.503	2.527	2.473	2.528	2.495	2.476	2.522	2.501	2.530	2.510	2.453
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.395	2.442	2.471	2.420	2.443	2.412	2.440	2.510	2.429	2.419	2.479	2.427	2.400
Cr+3	0.000	0.000	0.000	0.000	0.005	0.000	0.004	0.000	0.000	0.000	0.000	0.003	0.002
Fe+2	4.338	4.394	4.386	4.394	4.387	4.445	4.404	4.322	4.455	4.491	4.381	4.451	4.480
Mn+2	0.053	0.047	0.042	0.035	0.038	0.048	0.045	0.051	0.052	0.045	0.043	0.035	0.035
Mg+2	5.129	5.122	5.097	5.188	5.120	5.129	5.100	5.057	5.076	5.062	5.086	5.101	5.094
Ti+4	0.007	0.006	0.008	0.004	0.008	0.008	0.012	0.009	0.012	0.008	0.007	0.008	0.003
totVI	11.922	12.011	12.004	12.041	12.001	12.041	12.004	11.949	12.024	12.024	11.997	12.026	12.014
K+1	0.006	0.010	0.006	0.008	0.000	0.003	0.010	0.019	0.015	0.014	0.010	0.012	0.007
Na+1	0.000	0.000	0.004	0.000	0.003	0.000	0.000	0.015	0.005	0.000	0.000	0.000	0.003
Ca+2	0.115	0.013	0.000	0.004	0.001	0.008	0.005	0.009	0.000	0.002	0.017	0.000	0.003
Cations	20.043	20.034	20.013	20.053	20.006	20.052	20.019	19.991	20.045	20.040	20.024	20.038	20.028
Altot	4.884	4.953	4.974	4.947	4.916	4.940	4.935	4.986	4.951	4.920	5.010	4.937	4.853
AlVI+2Ti+(	2.410	2.454	2.486	2.429	2.465	2.427	2.468	2.528	2.453	2.435	2.493	2.447	2.408
Fe/Fe+Mg	0.458	0.462	0.463	0.459	0.461	0.464	0.463	0.461	0.467	0.470	0.463	0.466	0.468
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
													Ilm

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

D57	D59	D60	D61	D62	D63	D64	D65						
26.44	26.83	26.66	26.33	26.83	26.27	26.71	26.43						
0.04	0.03	0.07	0.05	0.05	0.02	0.06	0.05						
19.11	18.58	18.86	18.82	19.31	18.90	19.51	18.80						
0.04	0.12	0.03	0.00	0.00	0.01	0.03	0.02						
24.56	23.71	23.69	23.79	23.54	24.62	24.52	24.38						
0.38	0.51	0.46	0.48	0.42	0.32	0.37	0.45						
16.51	17.50	17.77	17.56	17.43	16.51	16.71	16.66						
0.00	0.01	0.00	0.02	0.01	0.02	0.01	0.00						
0.03	0.00	0.00	0.00	0.00	0.03	0.01	0.00						
0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.01						
87.11	87.28	87.56	87.06	87.59	86.70	87.93	86.80						
5.597	5.646	5.591	5.564	5.610	5.593	5.590	5.615						
2.403	2.354	2.409	2.436	2.390	2.407	2.410	2.385						
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000						
2.365	2.254	2.254	2.250	2.368	2.336	2.403	2.321						
0.007	0.019	0.005	0.000	0.000	0.002	0.005	0.003						
4.347	4.173	4.154	4.204	4.117	4.384	4.291	4.332						
0.068	0.091	0.082	0.086	0.075	0.057	0.066	0.081						
5.209	5.490	5.555	5.532	5.433	5.240	5.214	5.275						
0.006	0.005	0.011	0.007	0.008	0.003	0.009	0.008						
12.002	12.033	12.062	12.080	12.001	12.022	11.987	12.021						
0.001	0.000	0.005	0.001	0.000	0.002	0.000	0.003						
0.013	0.000	0.000	0.000	0.000	0.011	0.005	0.000						
0.000	0.002	0.000	0.005	0.002	0.004	0.003	0.000						
20.016	20.035	20.066	20.086	20.003	20.038	19.995	20.024						
4.767	4.608	4.662	4.686	4.758	4.743	4.813	4.707						
10.539	10.537	10.573	10.609	10.540	10.521	10.542	10.547						
0.455	0.432	0.428	0.432	0.431	0.456	0.451	0.451						
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl						
Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag						

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

D34	D35	D36	D37	D38	D39	D40	D41	D42	D43				
26.91	26.82	26.45	26.65	26.99	26.72	26.60	26.34	26.79	26.67				
0.07	0.02	0.02	0.03	0.02	0.03	0.06	0.04	0.02	0.07				
19.68	19.75	19.69	20.08	19.58	19.87	20.07	19.94	19.62	19.52				
0.03	0.01	0.04	0.06	0.03	0.00	0.01	0.00	0.02	0.05				
24.63	24.81	24.52	24.96	23.86	24.70	24.61	25.78	24.71	25.74				
0.29	0.17	0.28	0.32	0.34	0.24	0.31	0.21	0.41	0.24				
16.63	16.25	16.57	16.70	17.27	17.00	17.02	16.09	16.65	16.16				
0.04	0.00	0.03	0.00	0.01	0.01	0.00	0.01	0.02	0.03				
0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.04	0.00	0.02				
0.00	0.00	0.00	0.01	0.02	0.00	0.02	0.00	0.00	0.00				
88.28	87.83	87.60	88.82	88.13	88.56	88.70	88.44	88.24	88.50				
5.605	5.617	5.557	5.529	5.611	5.550	5.517	5.513	5.590	5.578				
2.395	2.383	2.443	2.471	2.389	2.450	2.483	2.487	2.410	2.422				
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000				
2.437	2.490	2.433	2.439	2.409	2.413	2.423	2.433	2.416	2.389				
0.004	0.002	0.006	0.010	0.005	0.000	0.002	0.000	0.004	0.008				
4.291	4.344	4.309	4.331	4.148	4.291	4.268	4.512	4.313	4.501				
0.051	0.030	0.050	0.056	0.060	0.041	0.054	0.038	0.073	0.042				
5.164	5.073	5.192	5.165	5.352	5.263	5.262	5.020	5.179	5.039				
0.010	0.003	0.003	0.004	0.004	0.004	0.009	0.007	0.003	0.011				
11.958	11.942	11.993	12.005	11.977	12.013	12.018	12.010	11.988	11.991				
0.000	0.000	0.000	0.004	0.005	0.000	0.004	0.001	0.000	0.000				
0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.016	0.000	0.010				
0.009	0.001	0.006	0.000	0.002	0.002	0.000	0.002	0.003	0.006				
19.967	19.943	19.999	20.009	19.988	20.014	20.023	20.029	19.992	20.007				
4.832	4.873	4.876	4.910	4.798	4.864	4.906	4.920	4.826	4.812				
10.496	10.442	10.543	10.582	10.509	10.533	10.592	10.563	10.556	10.507				
0.454	0.461	0.454	0.456	0.437	0.449	0.448	0.473	0.454	0.472				
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl				
Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag	Mag				

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

D14	D16	D17	D18	D20	D67	D70	D71	D72	D73	D75			
26.06	26.73	26.34	26.18	25.84	26.36	26.65	27.00	26.83	26.45	26.19			
0.03	0.06	0.05	0.04	0.04	0.03	0.05	0.07	0.03	0.05	0.06			
21.02	19.86	20.87	20.31	21.22	20.80	19.80	19.26	19.32	20.42	20.63			
0.00	0.00	0.03	0.00	0.05	0.00	0.00	0.00	0.00	0.02	0.00			
22.84	22.65	22.53	22.95	22.85	22.35	21.68	21.89	22.35	22.21	22.56			
0.18	0.17	0.17	0.19	0.24	0.19	0.15	0.19	0.19	0.19	0.15			
16.49	17.29	16.76	17.09	16.65	16.94	17.38	17.78	17.79	16.97	16.99			
0.01	0.01	0.02	0.03	0.00	0.05	0.03	0.03	0.02	0.00	0.03			
0.02	0.00	0.00	0.03	0.04	0.01	0.02	0.00	0.01	0.02	0.02			
0.00	0.02	0.00	0.04	0.01	0.02	0.03	0.02	0.00	0.02	0.04			
86.66	86.79	86.75	86.86	86.94	86.73	85.79	86.24	86.53	86.35	86.67			
5.479	5.604	5.517	5.501	5.420	5.520	5.626	5.676	5.638	5.562	5.500			
2.521	2.396	2.483	2.499	2.580	2.480	2.374	2.324	2.362	2.438	2.500			
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000			
2.686	2.513	2.669	2.532	2.665	2.655	2.554	2.449	2.422	2.622	2.605			
0.000	0.000	0.005	0.001	0.009	0.000	0.000	0.000	0.000	0.003	0.000			
4.016	3.971	3.947	4.034	4.008	3.914	3.828	3.849	3.927	3.906	3.963			
0.032	0.030	0.030	0.033	0.042	0.033	0.027	0.034	0.034	0.034	0.026			
5.168	5.405	5.235	5.354	5.207	5.290	5.470	5.573	5.572	5.319	5.318			
0.004	0.009	0.007	0.006	0.006	0.004	0.007	0.011	0.005	0.008	0.010			
11.906	11.928	11.893	11.960	11.937	11.895	11.887	11.916	11.960	11.893	11.922			
0.000	0.005	0.000	0.012	0.004	0.005	0.007	0.005	0.000	0.005	0.011			
0.008	0.000	0.000	0.012	0.017	0.002	0.010	0.002	0.003	0.007	0.009			
0.003	0.002	0.004	0.006	0.000	0.010	0.007	0.007	0.004	0.000	0.006			
19.918	19.935	19.897	19.989	19.958	19.913	19.911	19.930	19.966	19.904	19.948			
5.207	4.909	5.152	5.031	5.245	5.135	4.928	4.773	4.784	5.060	5.105			
10.586	10.456	10.543	10.565	10.665	10.546	10.428	10.392	10.430	10.506	10.552			
0.437	0.424	0.430	0.430	0.435	0.425	0.412	0.409	0.413	0.423	0.427			
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl			
Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm			
R69	R70	R95	R96	R97	R56	R57	R58	R59	R60	R61	R62	R63	R79

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

26.09	26.70	26.12	26.86	25.61	26.94	26.62	26.77	26.41	27.01	26.47	26.23	26.44	26.72
0.11	0.09	0.12	0.08	0.12	0.07	0.05	0.06	0.06	0.09	0.08	0.07	0.08	0.08
21.06	20.06	20.75	20.46	21.19	20.64	21.51	21.74	21.31	21.66	21.33	21.19	21.56	19.79
0.01	0.03	0.01	0.07	0.03	0.00	0.00	0.01	0.01	0.00	0.02	0.00	0.00	0.00
22.38	21.49	21.31	20.28	21.69	21.65	22.13	21.67	22.13	21.87	21.87	21.37	21.78	21.70
0.29	0.18	0.24	0.25	0.19	0.17	0.31	0.25	0.20	0.22	0.23	0.27	0.24	0.20
17.53	18.49	17.87	18.15	17.69	18.35	17.77	17.96	17.68	17.61	17.80	17.24	17.88	18.26
0.03	0.02	0.01	0.00	0.00	0.02	0.00	0.01	0.06	0.02	0.02	0.00	0.02	0.05
0.02	0.04	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.01	0.00	0.00
0.02	0.02	0.01	0.01	0.01	0.00	0.02	0.00	0.01	0.00	0.01	0.02	0.00	0.01
87.55	87.11	86.46	86.16	86.52	87.85	88.42	88.47	87.87	88.48	87.81	86.40	87.99	86.81
5.421	5.546	5.466	5.598	5.368	5.542	5.456	5.462	5.450	5.513	5.457	5.487	5.435	5.577
2.579	2.454	2.534	2.402	2.632	2.458	2.544	2.538	2.550	2.487	2.543	2.513	2.565	2.423
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.579	2.457	2.584	2.625	2.604	2.547	2.651	2.692	2.633	2.723	2.639	2.712	2.660	2.446
0.002	0.004	0.001	0.011	0.004	0.000	0.000	0.001	0.002	0.000	0.003	0.000	0.000	0.000
3.889	3.734	3.728	3.536	3.803	3.724	3.792	3.698	3.819	3.733	3.771	3.739	3.745	3.789
0.052	0.032	0.043	0.045	0.034	0.030	0.053	0.043	0.034	0.038	0.040	0.047	0.041	0.035
5.431	5.725	5.575	5.639	5.527	5.628	5.428	5.465	5.438	5.357	5.469	5.376	5.479	5.683
0.017	0.015	0.019	0.012	0.019	0.011	0.007	0.010	0.009	0.014	0.012	0.011	0.012	0.012
11.970	11.967	11.950	11.868	11.991	11.940	11.931	11.909	11.935	11.865	11.934	11.885	11.937	11.965
0.007	0.017	0.004	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.002	0.003	0.000	0.000
0.006	0.005	0.004	0.004	0.002	0.000	0.006	0.000	0.004	0.001	0.003	0.006	0.000	0.003
0.007	0.004	0.002	0.000	0.000	0.004	0.000	0.002	0.012	0.004	0.003	0.000	0.003	0.011
19.989	19.993	19.959	19.872	19.994	19.944	19.947	19.912	19.951	19.869	19.941	19.894	19.941	19.978
5.158	4.911	5.118	5.027	5.236	5.005	5.195	5.230	5.183	5.210	5.182	5.225	5.225	4.869
2.615	2.491	2.623	2.660	2.646	2.569	2.665	2.713	2.653	2.751	2.666	2.734	2.684	2.470
0.417	0.395	0.401	0.385	0.408	0.398	0.411	0.404	0.413	0.411	0.408	0.410	0.406	0.400
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
					Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep
R155	R156	R157	R158	R159	R160	R161	R162	R163	R164	R165	R166	R167	R168
26.29	25.93	26.23	25.97	26.29	26.33	26.27	26.46	27.11	26.64	26.62	26.43	26.92	26.44

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.09	0.05	0.07	0.05	0.10	0.08	0.04	0.05	0.12	0.08	0.05	0.09	0.10	0.08
21.02	21.16	21.09	20.72	20.93	21.09	20.55	21.23	20.15	20.69	21.14	21.26	21.13	21.12
0.00	0.03	0.06	0.00	0.03	0.01	0.04	0.02	0.01	0.00	0.04	0.03	0.04	0.00
21.91	21.51	21.52	21.29	21.59	21.60	20.49	21.61	20.94	21.23	21.31	21.24	21.16	21.52
0.25	0.19	0.19	0.21	0.25	0.28	0.27	0.23	0.21	0.20	0.31	0.25	0.21	0.20
18.54	18.27	18.26	18.30	17.57	18.02	17.34	17.99	18.71	18.59	18.34	18.57	17.84	18.11
0.02	0.02	0.00	0.02	0.00	0.05	0.02	0.00	0.06	0.01	0.00	0.05	0.00	0.00
0.01	0.01	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.01
0.02	0.00	0.01	0.03	0.03	0.03	0.04	0.04	0.03	0.01	0.00	0.02	0.03	0.00
88.13	87.18	87.45	86.60	86.81	87.48	85.05	87.63	87.32	87.45	87.80	87.96	87.43	87.47
5.368	5.409	5.386	5.427	5.429	5.482	5.448	5.461	5.594	5.499	5.475	5.426	5.548	5.464
2.632	2.591	2.614	2.573	2.571	2.518	2.552	2.539	2.406	2.501	2.525	2.574	2.452	2.536
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.537	2.507	2.566	2.571	2.534	2.627	2.592	2.626	2.495	2.533	2.599	2.572	2.680	2.606
0.009	0.000	0.005	0.010	0.000	0.004	0.001	0.003	0.001	0.000	0.006	0.004	0.006	0.000
3.747	3.770	3.736	3.724	3.722	3.765	3.737	3.730	3.615	3.665	3.665	3.647	3.645	3.719
0.049	0.043	0.034	0.034	0.037	0.045	0.050	0.039	0.036	0.035	0.053	0.044	0.037	0.034
5.664	5.686	5.656	5.632	5.701	5.463	5.560	5.536	5.755	5.720	5.622	5.685	5.481	5.577
0.014	0.014	0.008	0.011	0.008	0.015	0.012	0.008	0.019	0.013	0.007	0.013	0.015	0.012
12.020	12.020	12.005	11.982	12.002	11.919	11.952	11.942	11.921	11.966	11.952	11.965	11.864	11.948
0.000	0.004	0.004	0.006	0.000	0.009	0.000	0.000	0.000	0.000	0.001	0.013	0.000	0.004
0.009	0.004	0.001	0.003	0.007	0.009	0.008	0.011	0.007	0.003	0.000	0.004	0.008	0.000
0.001	0.004	0.005	0.000	0.005	0.000	0.011	0.000	0.013	0.003	0.001	0.011	0.000	0.000
20.033	20.032	20.016	19.990	20.015	19.937	19.971	19.953	19.940	19.973	19.953	19.995	19.872	19.954
5.169	5.098	5.180	5.144	5.105	5.145	5.144	5.165	4.901	5.034	5.124	5.146	5.132	5.142
2.574	2.535	2.587	2.603	2.550	2.661	2.617	2.645	2.534	2.559	2.619	2.602	2.716	2.630
0.398	0.399	0.398	0.398	0.395	0.408	0.402	0.403	0.386	0.391	0.395	0.391	0.399	0.400
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ab	Ab	Ab	Ab	Ab	Ab	Ab
							Ep	Ep	Ep	Ep	Ep	Ep	Ep
R104	R105	R106	R115	R116	R117	R118	R119	R120	R121	R122	R131	R132	R133
26.26	26.23	25.87	26.04	26.64	26.28	26.32	26.91	26.43	26.21	26.55	26.18	26.43	26.08

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.07	0.17	0.09	0.05	0.10	0.12	0.07	0.09	0.08	0.06	0.07	0.08	0.06	0.08
21.25	20.78	21.08	21.20	20.96	21.05	21.21	20.27	20.83	20.96	20.80	21.29	20.59	21.12
0.05	0.01	0.00	0.01	0.04	0.01	0.00	0.00	0.03	0.03	0.02	0.01	0.01	0.01
21.46	21.02	21.86	21.41	20.91	21.06	21.09	20.88	21.64	21.39	21.32	21.42	21.05	21.59
0.20	0.28	0.15	0.26	0.23	0.26	0.22	0.25	0.27	0.23	0.31	0.20	0.26	0.26
18.29	18.49	18.44	18.17	18.33	18.47	18.02	18.55	18.13	18.07	17.61	18.78	18.44	18.19
0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.01	0.04	0.02	0.00	0.05
0.00	0.01	0.00	0.00	0.01	0.02	0.00	0.02	0.04	0.00	0.00	0.02	0.00	0.00
0.04	0.02	0.00	0.01	0.01	0.03	0.00	0.00	0.01	0.00	0.03	0.04	0.03	0.01
87.63	87.01	87.48	87.14	87.23	87.29	86.94	86.96	87.45	86.96	86.75	88.03	86.88	87.38
5.435	5.420	5.445	5.407	5.503	5.437	5.461	5.577	5.473	5.451	5.531	5.379	5.494	5.406
2.565	2.580	2.555	2.593	2.497	2.563	2.539	2.423	2.527	2.549	2.469	2.621	2.506	2.594
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.562	2.589	2.530	2.594	2.605	2.568	2.649	2.526	2.556	2.588	2.639	2.535	2.538	2.567
0.003	0.008	0.001	0.001	0.006	0.001	0.000	0.000	0.005	0.004	0.003	0.002	0.002	0.001
3.634	3.703	3.650	3.718	3.611	3.643	3.661	3.618	3.746	3.721	3.714	3.682	3.659	3.743
0.046	0.035	0.049	0.045	0.039	0.045	0.039	0.043	0.047	0.041	0.055	0.034	0.046	0.046
5.712	5.626	5.723	5.625	5.645	5.696	5.573	5.731	5.596	5.602	5.468	5.752	5.712	5.620
0.019	0.011	0.027	0.007	0.016	0.018	0.011	0.014	0.012	0.010	0.011	0.012	0.010	0.012
11.976	11.972	11.980	11.990	11.922	11.971	11.933	11.932	11.962	11.966	11.890	12.017	11.967	11.989
0.000	0.000	0.003	0.000	0.005	0.007	0.000	0.006	0.018	0.000	0.000	0.008	0.000	0.000
0.009	0.010	0.006	0.002	0.002	0.008	0.000	0.000	0.003	0.000	0.007	0.010	0.007	0.002
0.001	0.002	0.001	0.001	0.002	0.000	0.002	0.000	0.000	0.002	0.008	0.005	0.000	0.011
19.985	19.985	19.989	19.993	19.931	19.986	19.934	19.938	19.982	19.968	19.906	20.039	19.976	20.002
5.127	5.169	5.085	5.187	5.102	5.131	5.188	4.949	5.083	5.137	5.108	5.156	5.044	5.161
2.603	2.619	2.585	2.609	2.643	2.605	2.671	2.554	2.585	2.612	2.664	2.561	2.560	2.592
0.389	0.397	0.389	0.398	0.390	0.390	0.396	0.387	0.401	0.399	0.404	0.390	0.390	0.400
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
			Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep
R14	R15	R16	R17	R18	R19	R20	R21	R22	R23	R24	R25	R26	R27
26.68	26.51	26.82	26.46	26.32	26.52	26.34	26.37	26.28	26.21	25.58	26.59	26.29	26.22

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.08	0.05	0.07	0.06	0.07	0.13	0.08	0.07	0.08	0.06	0.07	0.11	0.08	0.10
20.88	20.87	21.43	21.28	21.14	21.34	21.36	21.05	21.11	21.29	20.10	20.84	21.03	20.60
0.04	0.00	0.01	0.00	0.00	0.00	0.05	0.03	0.02	0.00	0.05	0.01	0.00	0.00
20.98	20.95	20.81	20.87	20.84	20.91	20.99	20.99	20.57	21.08	20.80	21.65	20.73	20.90
0.12	0.25	0.13	0.21	0.20	0.21	0.21	0.25	0.29	0.23	0.23	0.22	0.17	0.23
18.33	17.87	17.46	17.81	17.85	18.19	18.02	17.99	17.93	18.04	18.39	18.34	17.94	17.77
0.03	0.07	0.07	0.07	0.08	0.02	0.04	0.03	0.02	0.01	0.10	0.02	0.05	0.02
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.04	0.04	0.01	0.02	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.02	0.00
87.14	86.59	86.83	86.77	86.50	87.33	87.10	86.76	86.30	86.92	85.32	87.77	86.30	85.84
5.515	5.521	5.551	5.493	5.483	5.469	5.453	5.482	5.482	5.440	5.428	5.481	5.487	5.512
2.485	2.479	2.449	2.507	2.517	2.531	2.547	2.518	2.518	2.560	2.572	2.519	2.513	2.488
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.602	2.644	2.778	2.699	2.673	2.656	2.664	2.638	2.672	2.648	2.454	2.543	2.659	2.615
0.006	0.000	0.002	0.000	0.000	0.000	0.008	0.005	0.003	0.000	0.009	0.001	0.000	0.000
3.628	3.648	3.603	3.622	3.631	3.607	3.634	3.649	3.590	3.660	3.690	3.732	3.618	3.675
0.021	0.043	0.022	0.038	0.035	0.037	0.037	0.044	0.050	0.040	0.040	0.038	0.031	0.041
5.649	5.547	5.388	5.511	5.543	5.592	5.560	5.575	5.576	5.585	5.815	5.636	5.583	5.568
0.012	0.007	0.011	0.009	0.011	0.020	0.012	0.010	0.012	0.009	0.011	0.016	0.012	0.016
11.918	11.889	11.804	11.879	11.893	11.912	11.915	11.921	11.903	11.942	12.019	11.966	11.903	11.915
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000
0.003	0.010	0.010	0.002	0.004	0.000	0.001	0.000	0.004	0.002	0.000	0.000	0.004	0.000
0.007	0.015	0.016	0.016	0.017	0.005	0.009	0.006	0.004	0.002	0.023	0.004	0.011	0.005
19.928	19.915	19.828	19.897	19.913	19.917	19.926	19.927	19.911	19.947	20.044	19.971	19.917	19.921
5.087	5.123	5.227	5.206	5.190	5.187	5.211	5.156	5.190	5.208	5.026	5.062	5.172	5.103
2.632	2.658	2.802	2.717	2.695	2.696	2.696	2.663	2.699	2.666	2.485	2.576	2.683	2.647
0.391	0.397	0.401	0.397	0.396	0.392	0.395	0.396	0.392	0.396	0.388	0.398	0.393	0.398
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
O84	O85	O86	O87	O88	O89	O90	O91	O92	O93	O94	O95	O96	O97
26.68	25.88	25.48	25.73	25.91	25.82	25.79	25.64	25.97	26.20	25.75	26.09	26.43	26.10

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.11	0.13	0.10	0.10	0.09	0.11	0.06	0.08	0.11	0.11	0.13	0.08	0.10	0.09
20.65	22.09	21.67	21.42	21.64	21.74	21.84	21.49	21.41	21.32	22.12	21.50	21.25	20.99
0.05	0.08	0.08	0.01	0.02	0.07	0.07	0.08	0.12	0.03	0.09	0.06	0.09	0.14
20.00	20.67	20.72	20.64	20.48	20.36	19.74	21.55	20.36	21.19	20.37	20.39	20.71	20.66
0.20	0.21	0.21	0.19	0.21	0.23	0.18	0.25	0.18	0.23	0.20	0.26	0.16	0.14
19.24	18.57	17.72	18.22	18.31	18.35	18.13	17.48	18.17	17.85	18.04	18.69	18.66	17.96
0.02	0.04	0.01	0.01	0.00	0.04	0.05	0.00	0.01	0.02	0.01	0.02	0.03	0.04
0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.02	0.00	0.02	0.00	0.00	0.00	0.01
0.02	0.00	0.00	0.01	0.02	0.00	0.02	0.01	0.01	0.03	0.02	0.01	0.01	0.00
86.96	87.66	85.99	86.32	86.68	86.73	85.89	86.60	86.33	86.99	86.72	87.09	87.43	86.11
5.505	5.317	5.347	5.374	5.380	5.357	5.384	5.366	5.411	5.439	5.340	5.389	5.442	5.462
2.495	2.683	2.653	2.626	2.620	2.643	2.616	2.634	2.589	2.561	2.660	2.611	2.558	2.538
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.527	2.667	2.705	2.645	2.676	2.672	2.758	2.666	2.670	2.655	2.746	2.624	2.598	2.638
0.008	0.014	0.014	0.002	0.003	0.011	0.011	0.013	0.019	0.005	0.015	0.009	0.014	0.022
3.451	3.551	3.635	3.604	3.556	3.533	3.447	3.771	3.547	3.679	3.533	3.523	3.565	3.615
0.036	0.036	0.038	0.034	0.037	0.040	0.032	0.044	0.031	0.040	0.035	0.045	0.027	0.024
5.919	5.687	5.543	5.671	5.667	5.676	5.641	5.452	5.643	5.524	5.577	5.757	5.729	5.602
0.017	0.020	0.015	0.015	0.014	0.017	0.009	0.013	0.018	0.018	0.020	0.012	0.015	0.014
11.957	11.974	11.949	11.971	11.953	11.949	11.898	11.959	11.928	11.922	11.926	11.971	11.949	11.915
0.000	0.000	0.000	0.001	0.003	0.010	0.004	0.007	0.000	0.006	0.000	0.000	0.000	0.004
0.004	0.000	0.000	0.002	0.006	0.000	0.005	0.003	0.004	0.008	0.004	0.003	0.003	0.000
0.005	0.008	0.003	0.002	0.000	0.009	0.012	0.001	0.002	0.004	0.002	0.004	0.007	0.008
19.966	19.982	19.952	19.976	19.962	19.968	19.919	19.969	19.934	19.939	19.932	19.978	19.959	19.928
5.022	5.350	5.358	5.271	5.296	5.315	5.374	5.300	5.258	5.216	5.406	5.234	5.156	5.176
2.569	2.721	2.749	2.677	2.707	2.717	2.787	2.705	2.725	2.696	2.801	2.657	2.642	2.688
0.368	0.384	0.396	0.389	0.386	0.384	0.379	0.409	0.386	0.400	0.388	0.380	0.384	0.392
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
O24	O25	O26	O27	O28	O29	O30	O41	O42	O43	O44	O45	O46	O47
26.37	26.38	26.22	26.48	26.24	26.48	26.38	26.15	26.65	26.07	26.36	26.17	26.05	25.96
0.10	0.08	0.08	0.06	0.08	0.08	0.10	0.07	0.07	0.09	0.08	0.08	0.09	0.06

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

21.69	21.69	21.75	21.75	21.61	21.78	21.74	21.44	21.47	21.75	21.61	21.62	22.00	21.99
0.00	0.06	0.04	0.08	0.02	0.03	0.04	0.05	0.08	0.10	0.02	0.04	0.03	0.00
20.62	21.00	20.49	20.87	20.65	20.78	21.00	20.91	20.22	20.99	20.14	20.53	21.24	20.51
0.22	0.22	0.19	0.19	0.26	0.21	0.16	0.23	0.16	0.18	0.20	0.19	0.17	0.16
19.13	18.66	18.93	18.91	18.68	18.89	18.83	19.03	19.03	18.26	19.07	19.12	18.62	19.01
0.02	0.00	0.02	0.01	0.03	0.01	0.01	0.06	0.07	0.00	0.01	0.04	0.02	0.01
0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.04	0.01	0.01	0.00
0.00	0.01	0.00	0.00	0.03	0.01	0.00	0.03	0.01	0.01	0.00	0.00	0.00	0.00
88.14	88.12	87.72	88.36	87.59	88.27	88.27	87.99	87.76	87.46	87.52	87.80	88.22	87.70
5.381	5.397	5.375	5.395	5.395	5.398	5.384	5.363	5.448	5.376	5.405	5.363	5.330	5.324
2.619	2.603	2.625	2.605	2.605	2.602	2.616	2.637	2.552	2.624	2.595	2.637	2.670	2.676
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.597	2.625	2.629	2.619	2.630	2.630	2.614	2.546	2.622	2.663	2.628	2.587	2.635	2.639
0.000	0.009	0.006	0.013	0.002	0.004	0.007	0.009	0.013	0.017	0.002	0.006	0.004	0.000
3.520	3.592	3.512	3.557	3.550	3.544	3.584	3.587	3.456	3.620	3.454	3.519	3.635	3.517
0.037	0.038	0.033	0.033	0.045	0.035	0.028	0.039	0.028	0.031	0.035	0.032	0.030	0.028
5.820	5.690	5.784	5.743	5.724	5.742	5.730	5.818	5.801	5.613	5.829	5.843	5.680	5.812
0.016	0.012	0.013	0.009	0.012	0.012	0.016	0.011	0.010	0.013	0.012	0.012	0.013	0.010
11.991	11.966	11.977	11.974	11.964	11.967	11.979	12.011	11.931	11.956	11.961	11.999	11.997	12.007
0.000	0.010	0.000	0.000	0.000	0.000	0.002	0.005	0.000	0.003	0.015	0.003	0.002	0.000
0.000	0.002	0.000	0.000	0.009	0.004	0.000	0.009	0.004	0.003	0.000	0.000	0.000	0.000
0.004	0.000	0.005	0.003	0.006	0.002	0.002	0.013	0.015	0.000	0.002	0.010	0.003	0.002
19.995	19.978	19.982	19.977	19.978	19.974	19.983	20.037	19.950	19.962	19.978	20.012	20.003	20.009
5.216	5.228	5.254	5.224	5.236	5.233	5.230	5.184	5.174	5.287	5.223	5.223	5.305	5.315
2.629	2.658	2.661	2.650	2.656	2.658	2.653	2.577	2.655	2.706	2.654	2.617	2.665	2.659
0.377	0.387	0.378	0.382	0.383	0.382	0.385	0.381	0.373	0.392	0.372	0.376	0.390	0.377
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
V24	V25	V26	V27	V28	V29	V30	V121	V122	V123	V124	V125	V126	V127
26.76	27.21	27.14	26.59	27.32	26.97	26.96	26.81	26.61	26.77	26.90	26.68	26.53	26.36
0.04	0.07	0.04	0.10	0.08	0.05	0.10	0.05	0.07	0.06	0.05	0.06	0.07	0.06
20.67	20.71	20.72	20.84	20.40	20.50	20.66	20.56	20.64	20.41	20.36	20.47	20.53	20.60

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.02	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.03	0.02	0.03	0.00
18.99	18.79	19.09	18.97	19.13	18.68	18.88	19.23	18.87	18.91	18.84	18.74	18.89	19.02
0.15	0.14	0.23	0.12	0.27	0.17	0.13	0.15	0.17	0.18	0.21	0.15	0.21	0.14
20.06	20.19	20.07	20.14	20.18	20.18	20.28	19.95	20.05	20.33	19.52	19.89	19.62	19.81
0.04	0.03	0.05	0.04	0.01	0.05	0.03	0.03	0.00	0.05	0.06	0.06	0.04	0.03
0.00	0.05	0.00	0.00	0.03	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01
0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.01
86.72	87.20	87.35	86.80	87.46	86.63	87.04	86.78	86.43	86.73	85.97	86.07	85.93	86.05
5.506	5.554	5.542	5.466	5.575	5.545	5.519	5.518	5.493	5.509	5.580	5.526	5.512	5.474
2.494	2.446	2.458	2.534	2.425	2.455	2.481	2.482	2.507	2.491	2.420	2.474	2.488	2.526
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.519	2.536	2.529	2.515	2.482	2.512	2.504	2.506	2.514	2.460	2.556	2.524	2.538	2.515
0.002	0.001	0.004	0.000	0.003	0.000	0.000	0.000	0.004	0.000	0.004	0.003	0.005	0.000
3.267	3.208	3.259	3.261	3.264	3.212	3.233	3.311	3.258	3.254	3.268	3.246	3.283	3.303
0.026	0.024	0.039	0.021	0.047	0.029	0.022	0.026	0.029	0.032	0.036	0.026	0.037	0.024
6.152	6.146	6.109	6.172	6.139	6.186	6.190	6.123	6.170	6.238	6.036	6.143	6.077	6.133
0.006	0.011	0.005	0.016	0.012	0.007	0.015	0.008	0.010	0.009	0.008	0.009	0.011	0.010
11.972	11.927	11.946	11.985	11.948	11.947	11.964	11.973	11.984	11.994	11.908	11.951	11.951	11.985
0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.003	0.001	0.001	0.001	0.004
0.000	0.020	0.000	0.000	0.013	0.006	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.004
0.008	0.007	0.011	0.008	0.002	0.010	0.006	0.007	0.000	0.010	0.014	0.012	0.010	0.007
19.980	19.953	19.957	19.993	19.964	19.971	19.976	19.980	19.984	20.007	19.923	19.965	19.962	19.999
5.013	4.982	4.987	5.049	4.907	4.967	4.985	4.988	5.021	4.951	4.976	4.998	5.026	5.041
10.547	10.495	10.537	10.575	10.519	10.513	10.525	10.534	10.565	10.555	10.492	10.526	10.562	10.574
0.347	0.343	0.348	0.346	0.347	0.342	0.343	0.351	0.346	0.343	0.351	0.346	0.351	0.350
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
V54	V75	V76	V77	V78	V79	V80	V81	V82	V83	V84	V55	V56	V57
26.73	27.50	27.40	27.22	27.34	27.48	27.23	27.38	27.39	27.19	27.14	27.20	26.37	26.91
0.06	0.02	0.06	0.05	0.00	0.06	0.05	0.02	0.02	0.01	0.00	0.05	0.00	0.04
19.69	18.72	19.01	18.70	18.82	18.73	18.77	18.77	18.66	18.31	18.58	19.16	18.95	18.68
0.00	0.02	0.03	0.00	0.00	0.01	0.02	0.00	0.03	0.02	0.00	0.05	0.00	0.05

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

23.86	23.85	23.69	23.30	24.34	23.26	23.32	23.26	23.09	23.42	23.74	25.35	26.41	26.13
0.23	0.21	0.19	0.15	0.18	0.14	0.20	0.39	0.21	0.17	0.22	0.77	0.62	0.68
17.04	17.01	17.16	17.06	16.95	17.09	17.20	17.18	17.73	17.38	17.11	14.53	14.21	14.43
0.00	0.04	0.01	0.03	0.02	0.03	0.00	0.00	0.04	0.03	0.06	0.03	0.06	0.02
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.02	0.01	0.00	0.00	0.05	0.02	0.02
87.62	87.38	87.55	86.50	87.65	86.81	86.79	87.02	87.17	86.52	86.85	87.22	86.63	86.97
5.588	5.760	5.722	5.747	5.723	5.774	5.730	5.747	5.732	5.747	5.725	5.769	5.675	5.755
2.412	2.240	2.278	2.253	2.277	2.226	2.270	2.253	2.268	2.253	2.275	2.231	2.325	2.245
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.441	2.382	2.401	2.398	2.366	2.412	2.385	2.391	2.335	2.308	2.345	2.559	2.480	2.462
0.001	0.002	0.005	0.000	0.000	0.001	0.004	0.000	0.005	0.004	0.000	0.009	0.000	0.009
4.173	4.178	4.137	4.113	4.262	4.087	4.105	4.083	4.041	4.141	4.188	4.496	4.753	4.673
0.040	0.037	0.033	0.027	0.032	0.025	0.035	0.069	0.037	0.031	0.039	0.138	0.113	0.123
5.311	5.312	5.340	5.369	5.290	5.354	5.395	5.377	5.531	5.478	5.379	4.594	4.560	4.598
0.009	0.003	0.009	0.007	0.000	0.009	0.008	0.004	0.003	0.002	0.000	0.008	0.000	0.006
11.975	11.915	11.925	11.914	11.950	11.888	11.932	11.924	11.952	11.963	11.951	11.805	11.906	11.873
0.002	0.003	0.002	0.000	0.001	0.003	0.000	0.005	0.003	0.000	0.000	0.012	0.004	0.006
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.001	0.000
0.000	0.008	0.002	0.006	0.005	0.008	0.000	0.001	0.008	0.006	0.014	0.007	0.014	0.005
19.976	19.926	19.928	19.920	19.956	19.899	19.932	19.929	19.963	19.969	19.965	19.837	19.925	19.884
4.853	4.622	4.679	4.651	4.642	4.638	4.656	4.644	4.603	4.561	4.620	4.790	4.805	4.708
10.492	10.315	10.345	10.308	10.340	10.276	10.341	10.391	10.342	10.314	10.353	10.508	10.551	10.492
0.440	0.440	0.436	0.434	0.446	0.433	0.432	0.432	0.422	0.430	0.438	0.495	0.510	0.504
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl r	Chl r	Chl r
Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl			
V98	V99	V100	V101	V102	V104	V105	V106	V107	V108	V109	V110	V111	V112
26.51	26.28	26.23	26.61	26.52	26.82	26.80	26.64	26.83	26.70	26.40	26.62	27.09	26.63
0.05	0.08	0.05	0.10	0.03	0.04	0.08	0.06	0.06	0.09	0.03	0.03	0.08	0.04
20.98	21.11	21.33	20.48	21.41	21.16	20.88	21.11	20.88	21.18	21.19	20.76	20.80	21.19
0.60	0.22	0.55	0.28	0.46	0.34	0.38	0.32	0.28	0.43	0.36	0.36	0.40	0.30
18.13	18.11	18.04	17.38	17.89	17.65	17.81	17.03	17.70	17.14	17.18	16.73	16.57	17.69

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.30	0.16	0.30	0.19	0.19	0.20	0.22	0.23	0.28	0.16	0.17	0.28	0.15	0.19
20.19	20.86	20.64	21.48	20.59	21.24	20.91	20.90	20.72	21.03	21.07	20.71	21.46	20.71
0.05	0.03	0.04	0.02	0.00	0.01	0.04	0.08	0.02	0.01	0.00	0.01	0.01	0.04
0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00
0.00	0.03	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
86.83	86.90	87.24	86.55	87.08	87.46	87.12	86.37	86.76	86.75	86.41	85.52	86.57	86.81
5.439	5.383	5.358	5.452	5.408	5.437	5.463	5.455	5.485	5.444	5.410	5.499	5.515	5.442
2.561	2.617	2.642	2.548	2.592	2.563	2.537	2.545	2.515	2.556	2.590	2.501	2.485	2.558
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.512	2.478	2.493	2.399	2.554	2.493	2.477	2.549	2.518	2.534	2.527	2.552	2.506	2.544
0.097	0.036	0.089	0.045	0.074	0.055	0.062	0.052	0.045	0.069	0.058	0.058	0.064	0.049
3.110	3.102	3.082	2.978	3.051	2.992	3.035	2.917	3.027	2.923	2.943	2.890	2.822	3.024
0.053	0.028	0.052	0.032	0.032	0.034	0.038	0.041	0.049	0.027	0.029	0.049	0.026	0.034
6.175	6.368	6.285	6.561	6.262	6.419	6.354	6.379	6.316	6.390	6.434	6.379	6.513	6.310
0.007	0.012	0.008	0.015	0.005	0.007	0.013	0.009	0.008	0.014	0.005	0.005	0.011	0.006
11.954	12.023	12.009	12.029	11.977	11.999	11.979	11.946	11.963	11.957	11.997	11.933	11.942	11.966
0.000	0.008	0.011	0.007	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.003	0.004
0.008	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.010	0.000	0.000
0.011	0.006	0.008	0.005	0.000	0.002	0.008	0.018	0.004	0.002	0.001	0.002	0.003	0.009
19.973	20.051	20.028	20.041	19.977	20.001	19.987	19.963	19.967	19.966	19.998	19.945	19.948	19.979
5.073	5.095	5.135	4.946	5.145	5.056	5.015	5.093	5.032	5.090	5.117	5.054	4.991	5.103
10.666	10.672	10.747	10.613	10.656	10.632	10.614	10.626	10.612	10.609	10.649	10.599	10.537	10.625
0.335	0.328	0.329	0.312	0.328	0.318	0.323	0.314	0.324	0.314	0.314	0.312	0.302	0.324
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
F14	F15	F16	F17	F18	F19	F20	F21	F23	F24	F26	F27	F28	F29
26.40	26.22	26.22	26.63	26.17	26.65	26.55	26.07	26.23	26.25	26.35	26.56	26.41	26.71
0.04	0.00	0.03	0.05	0.07	0.02	0.07	0.08	0.04	0.05	0.07	0.03	0.04	0.04
20.35	20.17	20.08	19.89	19.79	19.91	20.12	19.99	20.03	20.12	20.27	19.96	19.82	20.27
0.07	0.09	0.03	0.09	0.09	0.09	0.05	0.05	0.12	0.06	0.10	0.05	0.00	0.06
23.45	24.07	23.58	23.57	23.14	23.35	24.09	24.05	24.09	23.59	23.84	23.68	23.59	24.42
0.36	0.36	0.43	0.37	0.37	0.25	0.40	0.41	0.31	0.37	0.34	0.33	0.34	0.31

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16.61	16.32	16.35	16.59	16.12	16.54	16.57	16.22	16.41	16.32	16.37	16.49	16.49	16.47
0.00	0.01	0.03	0.04	0.07	0.03	0.03	0.00	0.06	0.00	0.00	0.02	0.02	0.00
0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00
0.01	0.04	0.02	0.02	0.00	0.00	0.00	0.01	0.01	0.04	0.02	0.00	0.02	0.02
87.28	87.28	86.77	87.24	85.83	86.83	87.91	86.88	87.31	86.79	87.37	87.12	86.74	88.32
5.533	5.521	5.540	5.589	5.580	5.608	5.544	5.517	5.521	5.542	5.531	5.583	5.579	5.555
2.467	2.479	2.460	2.411	2.420	2.392	2.456	2.483	2.479	2.458	2.469	2.417	2.421	2.445
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.559	2.524	2.540	2.509	2.554	2.546	2.497	2.504	2.491	2.550	2.545	2.528	2.512	2.523
0.011	0.015	0.005	0.014	0.015	0.015	0.009	0.009	0.020	0.010	0.016	0.009	0.001	0.010
4.110	4.238	4.167	4.137	4.127	4.109	4.207	4.256	4.240	4.166	4.184	4.164	4.168	4.247
0.064	0.064	0.076	0.066	0.067	0.044	0.071	0.073	0.055	0.066	0.060	0.059	0.061	0.054
5.190	5.122	5.149	5.191	5.124	5.187	5.157	5.116	5.150	5.136	5.123	5.166	5.194	5.105
0.006	0.000	0.005	0.007	0.011	0.004	0.012	0.012	0.006	0.008	0.011	0.005	0.006	0.007
11.941	11.963	11.943	11.925	11.897	11.906	11.952	11.971	11.963	11.936	11.938	11.931	11.941	11.946
0.003	0.011	0.006	0.005	0.000	0.000	0.000	0.004	0.003	0.010	0.006	0.000	0.005	0.006
0.000	0.000	0.000	0.000	0.003	0.000	0.009	0.000	0.000	0.000	0.003	0.001	0.000	0.000
0.000	0.002	0.007	0.009	0.016	0.006	0.007	0.000	0.013	0.000	0.000	0.004	0.005	0.000
19.943	19.975	19.956	19.939	19.916	19.912	19.968	19.974	19.979	19.946	19.947	19.936	19.951	19.952
5.027	5.004	5.000	4.920	4.974	4.938	4.952	4.986	4.970	5.007	5.014	4.945	4.933	4.968
2.582	2.539	2.555	2.537	2.591	2.569	2.530	2.537	2.523	2.576	2.583	2.547	2.525	2.547
0.442	0.453	0.447	0.444	0.446	0.442	0.449	0.454	0.452	0.448	0.450	0.446	0.445	0.454
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz
F58	F59	F60	F61	F62	F63	F64	F65	F66	F67	F68	F69	F70	F71
25.76	25.53	25.78	26.08	25.87	26.01	26.16	25.71	25.73	25.34	25.58	25.98	26.08	25.74
0.04	0.02	0.07	0.03	0.02	0.05	0.04	0.04	0.04	0.06	0.05	0.05	0.02	0.03
19.53	19.25	19.17	19.14	19.05	19.23	19.11	19.10	19.08	19.40	18.98	18.97	19.32	19.41
0.02	0.07	0.04	0.05	0.08	0.06	0.02	0.09	0.00	0.00	0.07	0.04	0.03	0.00
26.96	26.67	27.10	27.26	27.35	26.70	26.81	27.08	26.42	26.63	27.13	26.54	26.57	26.42

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0.32	0.37	0.30	0.34	0.34	0.36	0.37	0.40	0.39	0.34	0.35	0.35	0.32	0.37
14.38	14.31	14.54	14.59	14.65	14.81	14.60	14.28	14.51	14.39	14.25	14.54	14.48	14.58
0.01	0.00	0.02	0.02	0.01	0.02	0.00	0.01	0.01	0.05	0.00	0.01	0.04	0.00
0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.01	0.01	0.01	0.01
87.03	86.23	87.02	87.51	87.38	87.23	87.13	86.71	86.17	86.22	86.42	86.48	86.86	86.57
5.531	5.534	5.544	5.577	5.548	5.565	5.605	5.553	5.571	5.494	5.548	5.605	5.595	5.544
2.469	2.466	2.456	2.423	2.452	2.435	2.395	2.447	2.429	2.506	2.452	2.395	2.405	2.456
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.473	2.452	2.402	2.400	2.363	2.412	2.429	2.415	2.441	2.451	2.398	2.427	2.481	2.472
0.002	0.012	0.007	0.008	0.014	0.010	0.004	0.015	0.000	0.001	0.012	0.006	0.006	0.001
4.840	4.835	4.874	4.875	4.905	4.776	4.803	4.892	4.784	4.828	4.920	4.787	4.767	4.759
0.058	0.067	0.054	0.061	0.061	0.065	0.067	0.073	0.071	0.063	0.064	0.063	0.058	0.068
4.604	4.626	4.659	4.649	4.684	4.724	4.662	4.599	4.683	4.652	4.608	4.676	4.630	4.682
0.007	0.003	0.011	0.005	0.002	0.007	0.006	0.006	0.006	0.010	0.008	0.009	0.004	0.005
11.985	11.994	12.007	11.998	12.030	11.995	11.972	12.001	11.985	12.004	12.009	11.969	11.945	11.986
0.000	0.003	0.000	0.000	0.008	0.000	0.006	0.000	0.001	0.000	0.002	0.002	0.003	0.003
0.003	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.001	0.000
0.003	0.001	0.005	0.005	0.001	0.004	0.000	0.002	0.002	0.012	0.000	0.003	0.008	0.000
19.991	20.003	20.013	20.003	20.039	19.999	19.978	20.002	19.988	20.017	20.017	19.973	19.957	19.989
4.942	4.918	4.858	4.824	4.815	4.847	4.824	4.862	4.870	4.957	4.850	4.823	4.886	4.928
2.489	2.470	2.431	2.418	2.381	2.436	2.445	2.442	2.453	2.472	2.426	2.451	2.495	2.483
0.512	0.511	0.511	0.512	0.512	0.503	0.507	0.515	0.505	0.509	0.516	0.506	0.507	0.504
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz
W51	W52	W53	W54	W55	W57	W58	W59	W60	W61	W62	W63	W64	W65
26.82	27.24	26.84	26.90	27.06	26.92	26.92	26.75	26.86	27.05	27.12	26.87	26.98	26.90
0.07	0.10	0.10	0.08	0.08	0.08	0.09	0.09	0.06	0.09	0.09	0.08	0.08	0.06
21.64	21.62	21.45	21.62	21.61	21.64	21.82	21.31	21.59	21.54	21.66	21.39	21.59	21.69
0.06	0.06	0.07	0.17	0.06	0.13	0.05	0.02	0.05	0.03	0.00	0.05	0.08	0.08

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17.93	17.57	17.27	17.19	17.39	17.56	17.65	18.37	17.42	17.55	17.46	17.95	17.77	17.64
0.20	0.17	0.21	0.20	0.24	0.22	0.17	0.28	0.24	0.21	0.14	0.24	0.20	0.24
20.45	20.56	20.72	20.54	20.26	20.42	20.58	19.62	20.31	20.43	20.49	19.85	20.08	20.12
0.08	0.01	0.05	0.04	0.07	0.04	0.04	0.09	0.03	0.03	0.00	0.03	0.02	0.00
0.00	0.02	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.02
0.02	0.02	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
87.26	87.38	86.75	86.75	86.78	87.03	87.33	86.51	86.55	86.93	86.98	86.46	86.80	86.77
5.449	5.508	5.469	5.476	5.509	5.473	5.453	5.496	5.486	5.501	5.505	5.508	5.501	5.485
2.551	2.492	2.531	2.524	2.491	2.527	2.547	2.504	2.514	2.499	2.495	2.492	2.499	2.515
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.630	2.661	2.620	2.661	2.694	2.658	2.661	2.656	2.681	2.663	2.687	2.676	2.690	2.698
0.009	0.010	0.012	0.028	0.010	0.020	0.008	0.003	0.008	0.005	0.000	0.008	0.014	0.014
3.047	2.971	2.942	2.926	2.961	2.985	2.990	3.157	2.976	2.985	2.964	3.078	3.030	3.009
0.034	0.029	0.036	0.035	0.041	0.038	0.030	0.049	0.041	0.036	0.024	0.042	0.035	0.041
6.194	6.199	6.292	6.233	6.149	6.189	6.213	6.011	6.182	6.193	6.200	6.067	6.102	6.117
0.011	0.015	0.015	0.012	0.013	0.011	0.013	0.013	0.009	0.014	0.013	0.013	0.012	0.009
11.925	11.885	11.917	11.895	11.867	11.902	11.915	11.890	11.897	11.896	11.888	11.884	11.882	11.888
0.006	0.005	0.006	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.003
0.000	0.009	0.008	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.004	0.000	0.000	0.008
0.017	0.003	0.010	0.010	0.015	0.009	0.009	0.019	0.006	0.006	0.001	0.006	0.004	0.000
19.948	19.902	19.941	19.905	19.881	19.914	19.927	19.909	19.903	19.902	19.892	19.892	19.886	19.899
5.181	5.152	5.151	5.185	5.185	5.185	5.208	5.160	5.196	5.162	5.182	5.168	5.189	5.213
2.661	2.701	2.662	2.714	2.728	2.702	2.695	2.686	2.708	2.695	2.714	2.710	2.726	2.729
0.330	0.324	0.319	0.319	0.325	0.325	0.325	0.344	0.325	0.325	0.323	0.337	0.332	0.330
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl
Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep
W174	W175	W176	W177	W178	W179	W180	W181	W182	W183	W184	W185	W186	W187
26.78	26.50	26.83	27.06	27.03	26.62	27.06	26.51	26.60	26.39	26.93	26.87	26.62	26.56
0.06	0.08	0.05	0.07	0.07	0.06	0.07	0.07	0.04	0.06	0.06	0.05	0.04	0.10
21.21	21.49	21.22	21.18	21.41	21.27	21.05	21.51	21.60	21.67	21.33	21.29	21.72	21.68

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.03	0.05	0.04	0.09	0.08	0.08	0.06	0.11	0.11	0.11	0.07	0.07	0.04	0.09
16.67	16.56	16.36	16.53	16.48	16.81	16.42	17.16	17.31	17.44	17.28	16.86	17.04	17.40
0.19	0.17	0.18	0.20	0.22	0.14	0.12	0.23	0.26	0.18	0.18	0.23	0.18	0.21
21.77	21.97	21.60	21.75	21.73	21.52	22.02	21.25	20.96	21.25	21.56	21.34	21.39	21.44
0.03	0.04	0.05	0.03	0.06	0.02	0.06	0.02	0.07	0.02	0.05	0.05	0.06	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
0.00	0.00	0.01	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.02
86.75	86.86	86.32	86.93	87.08	86.53	86.87	86.88	86.97	87.15	87.46	86.77	87.09	87.50
5.443	5.379	5.469	5.481	5.463	5.429	5.481	5.397	5.413	5.363	5.444	5.463	5.397	5.373
2.557	2.621	2.531	2.519	2.537	2.571	2.519	2.603	2.587	2.637	2.556	2.537	2.603	2.627
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.523	2.520	2.566	2.537	2.563	2.541	2.507	2.557	2.593	2.554	2.524	2.566	2.588	2.542
0.004	0.007	0.006	0.014	0.012	0.013	0.009	0.018	0.017	0.018	0.011	0.012	0.007	0.015
2.833	2.811	2.789	2.800	2.785	2.866	2.782	2.922	2.946	2.965	2.921	2.867	2.890	2.944
0.034	0.030	0.030	0.034	0.038	0.025	0.021	0.040	0.045	0.032	0.031	0.040	0.031	0.036
6.594	6.647	6.563	6.568	6.548	6.540	6.648	6.449	6.357	6.439	6.496	6.468	6.464	6.466
0.009	0.011	0.007	0.011	0.010	0.009	0.010	0.011	0.006	0.008	0.009	0.008	0.007	0.014
11.998	12.026	11.961	11.964	11.957	11.996	11.976	11.997	11.965	12.016	11.990	11.961	11.986	12.017
0.001	0.000	0.002	0.003	0.000	0.000	0.005	0.003	0.001	0.003	0.002	0.000	0.000	0.004
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.004	0.000	0.000	0.000	0.000
0.007	0.009	0.011	0.008	0.013	0.003	0.012	0.004	0.016	0.004	0.011	0.011	0.012	0.002
20.006	20.036	19.974	19.975	19.970	19.999	19.994	20.005	19.984	20.028	20.003	19.972	19.998	20.023
5.080	5.141	5.098	5.057	5.100	5.112	5.026	5.161	5.181	5.192	5.080	5.103	5.191	5.169
2.547	2.550	2.586	2.574	2.596	2.573	2.536	2.597	2.622	2.589	2.552	2.593	2.607	2.585
0.300	0.297	0.298	0.299	0.298	0.305	0.295	0.312	0.317	0.315	0.310	0.307	0.309	0.313
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl
Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl	Pl
Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep
B15	B16	B17	B18	B19	B20	B31	B32	B33	B34	B35	B36	B37	B38
26.21	26.93	26.73	26.61	26.78	26.33	26.23	26.51	26.57	25.73	26.51	26.95	26.54	27.46
0.04	0.07	0.01	0.04	0.03	0.04	0.03	0.02	0.09	0.03	0.01	0.06	0.05	0.03

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

19.71	19.44	19.78	19.12	19.11	19.47	19.50	19.40	19.40	19.85	19.53	19.16	19.30	19.63
0.06	0.00	0.06	0.00	0.02	0.00	0.00	0.01	0.05	0.00	0.03	0.00	0.00	0.00
23.89	23.77	23.70	23.40	23.41	23.85	23.62	23.93	24.29	24.47	23.89	23.85	23.91	24.62
0.35	0.35	0.34	0.32	0.32	0.33	0.34	0.34	0.26	0.29	0.35	0.35	0.34	0.40
16.91	17.30	17.29	17.40	17.47	17.28	17.30	17.36	16.99	16.67	17.27	17.38	17.39	17.86
0.04	0.09	0.13	0.03	0.02	0.04	0.02	0.00	0.02	0.03	0.02	0.06	0.09	0.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00
0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.24	87.97	88.04	86.93	87.17	87.34	87.06	87.58	87.70	87.08	87.61	87.81	87.63	90.04
5.611	5.564	5.606	5.624	5.537	5.545	5.529	5.558	5.572	5.449	5.555	5.628	5.563	5.602
2.389	2.436	2.394	2.376	2.463	2.455	2.471	2.442	2.428	2.551	2.445	2.372	2.437	2.398
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.384	2.414	2.355	2.352	2.360	2.386	2.373	2.352	2.366	2.404	2.377	2.345	2.332	2.321
0.000	0.011	0.000	0.004	0.000	0.004	0.001	0.001	0.008	0.000	0.005	0.000	0.000	0.000
4.141	4.124	4.123	4.112	4.194	4.270	4.164	4.196	4.259	4.335	4.186	4.165	4.191	4.200
0.062	0.059	0.057	0.057	0.059	0.059	0.061	0.060	0.046	0.053	0.062	0.062	0.060	0.069
5.373	5.363	5.465	5.471	5.415	5.284	5.437	5.427	5.309	5.265	5.395	5.412	5.432	5.432
0.010	0.002	0.006	0.005	0.007	0.008	0.005	0.004	0.013	0.005	0.002	0.009	0.008	0.005
11.971	11.974	12.006	12.001	12.036	12.010	12.040	12.039	12.002	12.062	12.026	11.993	12.023	12.027
0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.013	0.000	0.000	0.000	0.000	0.000
0.019	0.030	0.008	0.004	0.009	0.014	0.004	0.000	0.005	0.006	0.004	0.013	0.021	0.007
19.994	20.004	20.014	20.005	20.045	20.025	20.044	20.043	20.020	20.068	20.030	20.005	20.044	20.034
4.773	4.851	4.749	4.729	4.824	4.841	4.844	4.794	4.794	4.955	4.822	4.717	4.768	4.719
2.404	2.429	2.367	2.366	2.374	2.406	2.383	2.360	2.401	2.414	2.385	2.362	2.348	2.330
0.435	0.435	0.430	0.429	0.436	0.447	0.434	0.436	0.445	0.452	0.437	0.435	0.436	0.436
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Act	Act	Act	Act	Act	Act	Act	Act	Act	Act	Act	Act	Act	Act
Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep
CR13	CR14	CR15	CR16	CR17	CR18	CR19	CR20	CR21	CR26	CR27	CR28	CR29	CR30
25.95	25.89	25.66	25.59	25.92	25.60	25.89	26.17	25.79	25.44	25.64	25.88	25.79	25.77

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.05	0.05	0.05	0.04	0.04	0.03	0.05	0.02	0.04	0.08	0.08	0.06	0.09	0.05
19.69	19.38	19.62	19.61	19.71	19.60	19.53	19.74	19.56	19.72	19.60	19.76	19.60	19.76
0.02	0.01	0.01	0.01	0.00	0.01	0.02	0.00	0.02	0.03	0.00	0.00	0.02	0.00
25.35	25.62	25.73	25.82	25.78	25.58	25.49	25.49	25.42	26.26	25.75	25.64	25.48	25.87
0.18	0.21	0.22	0.20	0.22	0.19	0.21	0.21	0.26	0.21	0.21	0.27	0.27	0.20
16.29	16.35	16.14	16.00	16.12	16.16	16.41	16.36	16.17	15.95	15.98	16.20	15.96	16.09
0.00	0.02	0.02	0.02	0.00	0.02	0.02	0.01	0.01	0.02	0.00	0.06	0.02	0.02
0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.00
0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.04	0.00	0.01	0.00	0.00	0.01	0.01
87.53	87.52	87.45	87.29	87.81	87.21	87.64	88.06	87.28	87.72	87.26	87.87	87.26	87.76
5.486	5.486	5.448	5.446	5.476	5.446	5.475	5.502	5.477	5.402	5.456	5.462	5.480	5.451
2.514	2.514	2.552	2.554	2.524	2.554	2.525	2.498	2.523	2.598	2.544	2.538	2.520	2.549
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.392	2.328	2.357	2.365	2.383	2.362	2.343	2.391	2.373	2.338	2.371	2.377	2.389	2.377
0.003	0.001	0.001	0.001	0.000	0.002	0.002	0.000	0.003	0.005	0.000	0.000	0.002	0.000
4.481	4.541	4.570	4.595	4.554	4.552	4.508	4.482	4.515	4.664	4.583	4.525	4.529	4.576
0.032	0.038	0.039	0.037	0.040	0.034	0.037	0.037	0.047	0.039	0.038	0.048	0.049	0.036
5.135	5.166	5.108	5.077	5.076	5.127	5.174	5.128	5.120	5.049	5.069	5.098	5.057	5.073
0.008	0.007	0.008	0.007	0.006	0.005	0.008	0.003	0.006	0.013	0.013	0.010	0.014	0.008
12.051	12.081	12.082	12.083	12.059	12.082	12.073	12.040	12.065	12.108	12.074	12.057	12.040	12.071
0.000	0.000	0.003	0.000	0.002	0.004	0.000	0.010	0.000	0.004	0.000	0.000	0.002	0.004
0.000	0.000	0.000	0.000	0.009	0.000	0.008	0.005	0.000	0.000	0.000	0.000	0.008	0.001
0.000	0.004	0.005	0.004	0.000	0.005	0.005	0.003	0.003	0.005	0.000	0.013	0.004	0.005
20.051	20.085	20.090	20.087	20.069	20.091	20.086	20.059	20.068	20.116	20.074	20.070	20.055	20.080
4.906	4.842	4.909	4.919	4.907	4.916	4.868	4.890	4.897	4.936	4.915	4.914	4.909	4.926
2.412	2.344	2.374	2.380	2.396	2.375	2.361	2.397	2.388	2.369	2.396	2.397	2.420	2.394
0.466	0.468	0.472	0.475	0.473	0.470	0.466	0.466	0.469	0.480	0.475	0.470	0.472	0.474
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ilm	Ilm	Ilm	Ilm	Ilm
Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Ilm	Grt	Grt	Grt	Grt	Grt

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

R80	R81	R82	R83	R84	R85	R86	R71	R72	R73	R74	R75	R76	R77

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

26.37	26.38	26.45	26.13	26.15	25.96	26.51	26.02	25.87	26.30	26.44	26.56	27.10	26.35
0.09	0.07	0.10	0.08	0.02	0.04	0.03	0.11	0.07	0.07	0.07	0.07	0.06	0.04
20.57	20.82	21.67	21.16	20.96	20.86	21.01	20.88	20.90	21.18	21.39	20.89	20.32	21.01
0.02	0.00	0.00	0.08	0.01	0.00	0.00	0.01	0.02	0.00	0.00	0.02	0.00	0.01
21.90	21.36	21.97	21.56	21.87	21.48	20.77	21.46	21.85	21.79	21.94	21.80	21.21	21.83
0.27	0.27	0.23	0.24	0.23	0.23	0.21	0.27	0.23	0.20	0.24	0.25	0.23	0.26
18.21	17.57	17.62	17.61	18.12	17.98	17.73	17.69	17.54	17.69	17.75	17.68	18.37	17.89
0.05	0.07	0.05	0.07	0.01	0.03	0.02	0.01	0.01	0.00	0.01	0.00	0.02	0.00
0.00	0.04	0.00	0.00	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
0.00	0.02	0.02	0.01	0.01	0.00	0.05	0.01	0.00	0.00	0.03	0.00	0.01	0.03
87.48	86.60	88.10	86.95	87.43	86.59	86.31	86.44	86.50	87.23	87.87	87.27	87.31	87.45
5.470	5.509	5.435	5.442	5.426	5.430	5.530	5.450	5.428	5.459	5.449	5.510	5.597	5.461
2.530	2.491	2.565	2.558	2.574	2.570	2.470	2.550	2.572	2.541	2.551	2.490	2.403	2.539
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.497	2.634	2.683	2.636	2.550	2.572	2.695	2.604	2.597	2.639	2.646	2.617	2.545	2.592
0.003	0.000	0.000	0.013	0.002	0.000	0.000	0.001	0.003	0.000	0.000	0.003	0.000	0.001
3.798	3.730	3.775	3.755	3.795	3.757	3.623	3.760	3.834	3.782	3.782	3.781	3.665	3.783
0.048	0.048	0.040	0.042	0.041	0.041	0.037	0.047	0.041	0.035	0.041	0.044	0.040	0.045
5.629	5.468	5.398	5.466	5.605	5.606	5.513	5.523	5.486	5.473	5.455	5.467	5.658	5.526
0.015	0.010	0.015	0.013	0.002	0.006	0.004	0.017	0.011	0.011	0.011	0.011	0.009	0.006
11.990	11.890	11.911	11.925	11.995	11.982	11.872	11.952	11.972	11.940	11.935	11.923	11.917	11.953
0.000	0.018	0.000	0.001	0.022	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
0.001	0.005	0.004	0.003	0.002	0.000	0.013	0.002	0.000	0.000	0.007	0.000	0.002	0.009
0.011	0.016	0.011	0.016	0.003	0.007	0.005	0.002	0.003	0.000	0.003	0.001	0.003	0.000
20.001	19.930	19.928	19.944	20.021	19.998	19.890	19.957	19.975	19.941	19.945	19.924	19.921	19.981
5.027	5.125	5.248	5.194	5.124	5.142	5.165	5.154	5.169	5.180	5.197	5.107	4.948	5.131
2.530	2.654	2.713	2.675	2.556	2.584	2.703	2.639	2.622	2.661	2.668	2.642	2.563	2.605
0.403	0.406	0.412	0.407	0.404	0.401	0.397	0.405	0.411	0.409	0.409	0.409	0.393	0.406
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ab	Ab	Ab	Ab	Ab	Ab	Ab	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz
Ep	Ep	Ep	Ep	Ep	Ep	Ep							
R169	R170	R171	R172	R173	R174	R175	R176	R177	R178	R179	R180	R181	
26.04	26.41	26.55	26.20	26.53	26.62	26.79	26.82	26.16	26.70	26.24	26.44	26.31	

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.08	0.22	0.15	0.09	0.06	0.10	0.07	0.06	0.09	0.03	0.07	0.07	0.13	
20.25	20.68	21.24	21.26	21.17	21.09	21.28	20.86	20.88	21.26	21.55	21.20	21.30	
0.03	0.01	0.01	0.00	0.03	0.00	0.07	0.00	0.03	0.02	0.04	0.00	0.04	
21.95	21.18	21.39	21.65	21.38	21.24	20.81	20.41	21.60	21.31	21.50	21.28	21.74	
0.27	0.21	0.22	0.25	0.22	0.18	0.22	0.21	0.24	0.17	0.22	0.20	0.29	
17.53	18.18	18.32	18.32	18.09	18.41	18.16	17.74	18.20	18.11	18.22	18.21	18.09	
0.07	0.02	0.00	0.01	0.02	0.03	0.08	0.05	0.03	0.03	0.02	0.05	0.03	
0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.04	0.02	0.00	0.02	0.01	0.00	
0.02	0.01	0.01	0.01	0.03	0.00	0.00	0.01	0.01	0.02	0.00	0.01	0.00	
86.24	86.91	87.88	87.79	87.51	87.69	87.49	86.20	87.25	87.66	87.86	87.46	87.93	
5.489	5.488	5.455	5.404	5.475	5.477	5.510	5.587	5.432	5.495	5.398	5.458	5.418	
2.511	2.512	2.545	2.596	2.525	2.523	2.490	2.413	2.568	2.505	2.602	2.542	2.582	
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	
2.520	2.554	2.600	2.571	2.626	2.592	2.668	2.709	2.542	2.651	2.623	2.615	2.589	
0.005	0.001	0.001	0.000	0.005	0.000	0.011	0.000	0.005	0.003	0.006	0.000	0.006	
3.869	3.682	3.676	3.733	3.689	3.655	3.579	3.557	3.751	3.668	3.700	3.673	3.745	
0.047	0.036	0.038	0.043	0.039	0.032	0.039	0.038	0.042	0.030	0.038	0.035	0.050	
5.508	5.632	5.612	5.633	5.565	5.646	5.568	5.509	5.633	5.557	5.589	5.602	5.556	
0.012	0.034	0.023	0.014	0.009	0.015	0.011	0.009	0.014	0.004	0.010	0.011	0.020	
11.961	11.939	11.950	11.994	11.933	11.940	11.876	11.822	11.987	11.913	11.966	11.936	11.966	
0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.017	0.008	0.000	0.010	0.003	0.000	
0.006	0.002	0.002	0.003	0.007	0.000	0.001	0.003	0.002	0.006	0.000	0.003	0.001	
0.015	0.005	0.000	0.002	0.005	0.006	0.018	0.011	0.006	0.006	0.003	0.011	0.006	
19.984	19.945	19.950	20.000	19.942	19.954	19.896	19.852	20.002	19.924	19.980	19.955	19.974	
5.031	5.066	5.145	5.167	5.151	5.115	5.158	5.122	5.110	5.156	5.225	5.157	5.171	
2.549	2.623	2.647	2.599	2.649	2.622	2.701	2.727	2.575	2.662	2.649	2.637	2.635	
0.413	0.395	0.396	0.399	0.399	0.393	0.391	0.392	0.400	0.398	0.398	0.396	0.403	
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	
Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	
Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	
R134	R135	R136	R137	R138	R107	R108	R109	R110	R111	R112	R113	R114	
26.84	27.02	26.45	27.03	26.54	26.91	26.70	26.21	26.22	26.21	26.30	26.18	26.31	

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.07	0.06	0.05	0.06	0.09	0.07	0.06	0.08	0.07	0.07	0.05	0.05	0.05	
20.21	20.64	20.61	20.39	21.07	21.19	20.69	20.94	21.14	20.77	20.92	20.94	20.63	
0.08	0.00	0.01	0.06	0.01	0.04	0.03	0.03	0.00	0.02	0.04	0.06	0.04	
20.99	21.24	21.51	21.46	21.30	21.43	20.71	21.34	21.01	21.16	20.78	21.29	21.44	
0.19	0.23	0.25	0.29	0.19	0.32	0.28	0.13	0.28	0.24	0.22	0.25	0.21	
18.98	18.34	17.57	17.72	18.21	18.37	18.41	18.00	18.21	18.44	18.49	18.28	18.19	
0.01	0.00	0.02	0.04	0.02	0.01	0.00	0.00	0.00	0.05	0.00	0.02	0.03	
0.02	0.01	0.04	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.01	0.00	
0.00	0.02	0.03	0.00	0.02	0.00	0.02	0.02	0.02	0.00	0.01	0.00	0.02	
87.39	87.55	86.53	87.05	87.44	88.34	86.93	86.75	86.94	86.95	86.80	87.07	86.91	
5.541	5.566	5.532	5.610	5.479	5.499	5.532	5.460	5.444	5.448	5.462	5.438	5.478	
2.459	2.434	2.468	2.390	2.521	2.501	2.468	2.540	2.556	2.552	2.538	2.562	2.522	
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	
2.457	2.576	2.613	2.596	2.606	2.601	2.584	2.601	2.615	2.536	2.582	2.563	2.541	
0.013	0.000	0.002	0.010	0.002	0.007	0.005	0.005	0.000	0.003	0.006	0.009	0.006	
3.624	3.658	3.762	3.724	3.677	3.663	3.589	3.718	3.647	3.678	3.609	3.698	3.734	
0.034	0.040	0.043	0.051	0.033	0.055	0.049	0.023	0.049	0.043	0.039	0.043	0.037	
5.840	5.633	5.477	5.484	5.604	5.596	5.687	5.591	5.635	5.713	5.723	5.660	5.647	
0.011	0.009	0.007	0.009	0.015	0.011	0.009	0.013	0.011	0.011	0.008	0.007	0.007	
11.979	11.916	11.904	11.874	11.937	11.933	11.923	11.951	11.957	11.984	11.967	11.980	11.972	
0.008	0.003	0.014	0.000	0.000	0.005	0.007	0.000	0.000	0.001	0.000	0.003	0.000	
0.000	0.005	0.007	0.000	0.006	0.000	0.006	0.005	0.006	0.000	0.002	0.000	0.005	
0.001	0.000	0.005	0.009	0.003	0.002	0.000	0.000	0.000	0.011	0.000	0.004	0.007	
19.988	19.924	19.930	19.883	19.945	19.938	19.936	19.956	19.963	19.996	19.969	19.989	19.983	
4.916	5.010	5.081	4.986	5.127	5.102	5.052	5.141	5.171	5.088	5.120	5.125	5.063	
2.492	2.594	2.629	2.624	2.638	2.630	2.607	2.632	2.637	2.561	2.604	2.586	2.561	
0.383	0.394	0.407	0.404	0.396	0.396	0.387	0.399	0.393	0.392	0.387	0.395	0.398	
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	
Ab	Ab	Ab	Ab	Ab	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	
Ep	Ep	Ep	Ep	Ep									
R28	R29	R30	R31	R32	R33	R34	R35	R36	R37	R38	R47	R48	R49
26.40	26.63	25.66	26.56	26.27	26.74	26.15	26.17	26.41	26.79	26.17	26.06	26.18	26.42

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.08	0.06	0.09	0.02	0.07	0.04	0.05	0.08	0.03	0.02	0.07	0.10	0.08	0.04
21.12	21.15	20.44	21.03	21.06	21.24	21.08	21.11	20.87	21.19	21.03	20.80	20.95	21.27
0.01	0.04	0.00	0.07	0.00	0.01	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.02
20.46	20.27	21.81	20.18	20.89	20.49	21.36	21.22	20.34	21.17	21.34	20.92	21.71	21.36
0.26	0.27	0.22	0.20	0.20	0.24	0.23	0.19	0.22	0.25	0.23	0.24	0.30	0.18
17.77	18.22	17.53	18.01	17.83	17.63	18.15	18.06	17.76	17.69	18.22	17.85	17.93	18.00
0.02	0.02	0.01	0.00	0.05	0.00	0.00	0.01	0.03	0.02	0.01	0.02	0.00	0.03
0.00	0.00	0.03	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.04	0.01	0.00	0.00
0.00	0.04	0.00	0.02	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.13	86.68	85.78	86.09	86.38	86.39	87.09	86.84	85.65	87.12	87.14	85.99	87.16	87.31
5.512	5.516	5.435	5.562	5.537	5.483	5.558	5.432	5.444	5.541	5.541	5.432	5.470	5.444
2.488	2.484	2.565	2.438	2.463	2.517	2.442	2.568	2.556	2.459	2.459	2.568	2.530	2.556
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.709	2.680	2.537	2.691	2.704	2.664	2.761	2.592	2.618	2.702	2.706	2.576	2.616	2.579
0.002	0.007	0.000	0.007	0.011	0.000	0.001	0.003	0.000	0.000	0.000	0.006	0.000	0.000
3.573	3.512	3.864	3.628	3.517	3.646	3.561	3.710	3.692	3.569	3.663	3.705	3.672	3.775
0.045	0.048	0.040	0.048	0.035	0.036	0.042	0.040	0.033	0.038	0.044	0.041	0.042	0.053
5.530	5.626	5.537	5.475	5.598	5.548	5.461	5.619	5.601	5.556	5.454	5.636	5.588	5.559
0.013	0.009	0.015	0.006	0.002	0.010	0.007	0.008	0.012	0.004	0.002	0.011	0.016	0.012
11.872	11.882	11.993	11.855	11.867	11.904	11.833	11.972	11.956	11.869	11.869	11.975	11.934	11.978
0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.002	0.015	0.004	0.000
0.001	0.010	0.000	0.010	0.004	0.003	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000
0.004	0.004	0.002	0.004	0.001	0.010	0.000	0.000	0.002	0.006	0.003	0.003	0.005	0.000
19.876	19.895	20.005	19.869	19.874	19.918	19.833	19.988	19.957	19.875	19.875	19.990	19.943	19.977
5.197	5.164	5.102	5.129	5.167	5.181	5.203	5.160	5.174	5.161	5.165	5.144	5.146	5.135
2.737	2.705	2.567	2.710	2.719	2.684	2.776	2.611	2.642	2.710	2.710	2.604	2.648	2.603
0.393	0.384	0.411	0.399	0.386	0.397	0.395	0.398	0.397	0.391	0.402	0.397	0.397	0.404
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
			Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep
O98	O99	O100	O101	O102	O103	O104	O105	O106	O107	O108	O109	O110	O71
26.30	25.92	25.83	26.06	26.13	26.07	25.64	26.02	25.88	26.03	25.66	25.67	25.76	27.21

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.11	0.07	0.09	0.07	0.05	0.08	0.12	0.06	0.05	0.09	0.10	0.13	0.11	0.15
21.43	21.13	21.76	20.96	21.35	21.22	21.26	20.97	21.00	21.38	21.94	21.57	21.34	18.86
0.11	0.09	0.05	0.02	0.08	0.00	0.06	0.00	0.01	0.04	0.01	0.03	0.04	0.05
20.50	20.81	20.89	20.48	20.43	20.17	19.74	21.82	20.09	20.69	20.66	20.65	21.14	25.14
0.23	0.23	0.21	0.23	0.22	0.17	0.17	0.24	0.19	0.24	0.15	0.19	0.19	0.44
18.53	18.37	18.09	18.52	18.72	18.95	18.28	17.73	18.63	18.24	18.10	18.35	18.27	15.16
0.04	0.03	0.00	0.03	0.00	0.03	0.02	0.00	0.02	0.03	0.03	0.00	0.04	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00
0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.06
87.25	86.65	86.92	86.38	86.98	86.71	85.31	86.87	85.88	86.74	86.69	86.60	86.87	87.12
5.423	5.398	5.360	5.433	5.404	5.404	5.396	5.433	5.418	5.408	5.332	5.344	5.360	5.766
2.577	2.602	2.640	2.567	2.596	2.596	2.604	2.567	2.582	2.592	2.668	2.656	2.640	2.234
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.630	2.587	2.681	2.585	2.610	2.588	2.670	2.594	2.601	2.644	2.708	2.635	2.594	2.477
0.018	0.015	0.008	0.003	0.014	0.000	0.010	0.000	0.001	0.007	0.002	0.005	0.006	0.009
3.536	3.626	3.625	3.572	3.534	3.497	3.474	3.810	3.518	3.594	3.591	3.594	3.679	4.455
0.039	0.041	0.036	0.040	0.038	0.031	0.031	0.042	0.034	0.043	0.027	0.033	0.033	0.078
5.697	5.703	5.596	5.757	5.773	5.856	5.734	5.517	5.815	5.648	5.607	5.696	5.667	4.788
0.018	0.011	0.014	0.011	0.008	0.013	0.019	0.010	0.008	0.015	0.016	0.020	0.016	0.024
11.938	11.983	11.961	11.969	11.977	11.985	11.939	11.973	11.977	11.950	11.951	11.983	11.996	11.830
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.011	0.000	0.000
0.001	0.000	0.001	0.005	0.000	0.000	0.000	0.009	0.000	0.000	0.001	0.000	0.000	0.017
0.008	0.006	0.000	0.007	0.001	0.006	0.004	0.000	0.005	0.006	0.007	0.000	0.008	0.012
19.947	19.989	19.962	19.981	19.978	19.991	19.943	19.982	19.982	19.956	19.969	19.994	20.003	19.859
5.207	5.188	5.321	5.152	5.205	5.184	5.274	5.161	5.182	5.236	5.375	5.292	5.234	4.711
2.684	2.624	2.717	2.610	2.640	2.614	2.718	2.614	2.618	2.681	2.742	2.680	2.632	2.534
0.383	0.389	0.393	0.383	0.380	0.374	0.377	0.408	0.377	0.389	0.390	0.387	0.394	0.482
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	r2/Bt
O48	O49	O50	O51	O52	O53	O54	O55	O56	O57	O58	O59	O60	O11
26.20	26.08	26.01	26.25	26.15	26.15	26.04	26.17	26.10	26.12	26.12	25.82	26.14	26.86
0.10	0.08	0.08	0.09	0.08	0.06	0.09	0.09	0.06	0.11	0.10	0.09	0.07	0.04

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

21.97	22.02	21.63	21.48	21.76	21.80	21.53	21.56	21.46	21.52	21.70	21.95	21.77	20.23
0.03	0.06	0.00	0.08	0.06	0.02	0.05	0.06	0.07	0.02	0.03	0.07	0.03	0.05
21.06	20.09	20.55	20.84	20.55	20.95	21.01	20.74	19.99	20.45	20.30	20.17	20.04	23.76
0.14	0.21	0.14	0.24	0.18	0.18	0.19	0.14	0.13	0.25	0.16	0.15	0.22	0.31
18.84	18.81	18.87	18.93	18.69	18.57	18.97	18.88	18.94	19.37	18.92	18.54	18.93	16.96
0.04	0.01	0.01	0.01	0.09	0.00	0.00	0.01	0.00	0.00	0.03	0.04	0.02	0.04
0.00	0.02	0.00	0.00	0.00	0.00	0.06	0.03	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.03	0.07	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.00	0.01
88.37	87.37	87.29	87.93	87.62	87.73	87.93	87.68	86.74	87.84	87.35	86.87	87.20	88.25
5.345	5.357	5.362	5.382	5.371	5.372	5.345	5.375	5.398	5.351	5.372	5.340	5.378	5.568
2.655	2.643	2.638	2.618	2.629	2.628	2.655	2.625	2.602	2.649	2.628	2.660	2.622	2.432
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.625	2.688	2.617	2.572	2.640	2.650	2.554	2.595	2.630	2.548	2.632	2.693	2.658	2.512
0.004	0.009	0.000	0.012	0.010	0.002	0.008	0.010	0.011	0.004	0.004	0.011	0.005	0.008
3.593	3.450	3.542	3.573	3.531	3.599	3.608	3.563	3.458	3.504	3.492	3.490	3.448	4.120
0.023	0.036	0.025	0.042	0.031	0.031	0.032	0.024	0.022	0.043	0.028	0.026	0.038	0.054
5.729	5.760	5.799	5.786	5.723	5.687	5.805	5.780	5.842	5.916	5.802	5.716	5.806	5.242
0.015	0.012	0.013	0.013	0.013	0.010	0.014	0.014	0.009	0.017	0.015	0.014	0.011	0.005
11.990	11.955	11.996	11.999	11.947	11.978	12.021	11.988	11.972	12.031	11.973	11.949	11.965	11.941
0.000	0.008	0.000	0.000	0.000	0.000	0.022	0.010	0.000	0.000	0.000	0.000	0.000	0.000
0.001	0.000	0.000	0.007	0.018	0.000	0.001	0.002	0.000	0.000	0.000	0.013	0.000	0.003
0.008	0.002	0.002	0.001	0.021	0.000	0.000	0.002	0.000	0.000	0.007	0.009	0.004	0.008
19.999	19.964	19.998	20.007	19.985	19.978	20.044	20.001	19.972	20.032	19.981	19.971	19.969	19.952
5.281	5.331	5.255	5.190	5.268	5.277	5.208	5.220	5.232	5.197	5.260	5.352	5.280	4.943
2.659	2.721	2.643	2.610	2.676	2.672	2.590	2.633	2.659	2.586	2.666	2.732	2.685	2.530
0.385	0.375	0.379	0.382	0.382	0.388	0.383	0.381	0.372	0.372	0.376	0.379	0.373	0.440
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	Hbl	r2/Bt
V128	V129	V130	V131	V11	V12	V13	V14	V15	V16	V17	V18	V19	V20
26.62	26.89	26.56	26.50	28.32	28.16	28.15	28.71	28.44	28.46	28.39	28.10	27.91	28.26
0.06	0.09	0.08	0.08	0.01	0.00	0.01	0.00	0.00	0.03	0.01	0.00	0.00	0.01
20.69	20.61	20.57	20.81	18.32	17.86	18.23	17.82	17.96	17.75	17.70	17.80	17.84	18.00

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0.03	0.00	0.05	0.05	0.04	0.05	0.08	0.01	0.00	0.04	0.06	0.02	0.01	0.06
19.15	18.69	18.93	18.82	21.01	20.89	21.34	20.98	20.79	20.55	21.48	21.22	21.11	21.14
0.19	0.17	0.17	0.16	0.86	0.33	0.26	0.31	0.45	0.31	0.32	0.37	0.56	0.41
19.90	19.98	19.82	19.87	18.87	18.93	19.30	19.57	19.18	19.55	19.23	19.28	19.37	19.01
0.04	0.01	0.06	0.06	0.02	0.01	0.04	0.02	0.04	0.04	0.04	0.01	0.03	0.00
0.00	0.00	0.00	0.00	0.04	0.00	0.03	0.00	0.00	0.00	0.02	0.00	0.00	0.00
0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.02	0.00	0.02	0.00
86.67	86.43	86.22	86.35	87.49	86.25	87.43	87.42	86.88	86.75	87.28	86.78	86.85	86.89
5.488	5.539	5.500	5.475	5.849	5.886	5.815	5.914	5.897	5.901	5.882	5.851	5.814	5.871
2.512	2.461	2.500	2.525	2.151	2.114	2.185	2.086	2.103	2.099	2.118	2.149	2.186	2.129
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.514	2.542	2.520	2.542	2.307	2.286	2.253	2.240	2.285	2.239	2.204	2.218	2.194	2.276
0.005	0.000	0.007	0.008	0.007	0.009	0.013	0.002	0.000	0.006	0.009	0.003	0.002	0.010
3.302	3.220	3.278	3.252	3.629	3.651	3.686	3.615	3.605	3.563	3.722	3.694	3.678	3.672
0.032	0.030	0.029	0.028	0.150	0.059	0.045	0.053	0.080	0.055	0.056	0.064	0.098	0.072
6.115	6.138	6.117	6.121	5.809	5.900	5.944	6.009	5.929	6.044	5.940	5.983	6.014	5.887
0.010	0.014	0.012	0.012	0.001	0.000	0.001	0.000	0.000	0.005	0.002	0.000	0.000	0.001
11.978	11.943	11.963	11.963	11.903	11.905	11.942	11.918	11.899	11.912	11.934	11.963	11.986	11.919
0.000	0.000	0.000	0.001	0.000	0.004	0.001	0.000	0.003	0.001	0.006	0.000	0.005	0.000
0.000	0.000	0.000	0.000	0.017	0.000	0.013	0.002	0.000	0.002	0.008	0.000	0.000	0.001
0.008	0.002	0.012	0.012	0.005	0.003	0.010	0.003	0.008	0.008	0.009	0.002	0.007	0.001
19.987	19.945	19.975	19.976	19.926	19.911	19.966	19.923	19.911	19.923	19.957	19.964	19.997	19.921
5.026	5.003	5.020	5.067	4.458	4.400	4.438	4.326	4.389	4.338	4.323	4.367	4.381	4.406
10.576	10.521	10.558	10.581	10.451	10.231	10.275	10.193	10.262	10.209	10.231	10.278	10.383	10.274
0.351	0.344	0.349	0.347	0.385	0.382	0.383	0.376	0.378	0.371	0.385	0.382	0.379	0.384
Chl	Chl	Chl	Chl	Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.
Hbl	Hbl	Hbl	Hbl										
V58	V59	V60											
27.07	26.64	26.64											
0.05	0.07	0.02											
18.96	19.02	18.89											
0.03	0.00	0.00											

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25.83	26.37	27.31											
0.82	0.51	0.69											
14.11	14.23	14.20											
0.05	0.03	0.02											
0.00	0.00	0.00											
0.00	0.00	0.03											
86.91	86.87	87.78											
5.779	5.705	5.679											
2.221	2.295	2.321											
8.000	8.000	8.000											
2.551	2.506	2.426											
0.004	0.000	0.000											
4.612	4.724	4.869											
0.147	0.093	0.124											
4.492	4.543	4.514											
0.008	0.011	0.003											
11.815	11.877	11.936											
0.000	0.001	0.007											
0.000	0.000	0.000											
0.010	0.006	0.005											
19.825	19.884	19.948											
4.772	4.801	4.747											
10.515	10.480	10.569											
0.507	0.510	0.519											
Chl r	Chl r	Chl r											
V113	V114	V115											
26.46	26.79	26.85											
0.06	0.07	0.05											
21.45	20.88	20.77											
0.47	0.28	0.30											
17.12	17.36	17.45											

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0.20	0.18	0.24											
21.14	20.86	20.37											
0.02	0.04	0.00											
0.03	0.02	0.05											
0.00	0.00	0.00											
86.94	86.47	86.07											
5.386	5.485	5.526											
2.614	2.515	2.474											
8.000	8.000	8.000											
2.532	2.523	2.564											
0.075	0.046	0.049											
2.916	2.973	3.003											
0.035	0.031	0.041											
6.417	6.368	6.250											
0.009	0.010	0.007											
11.984	11.951	11.914											
0.000	0.000	0.000											
0.013	0.009	0.019											
0.004	0.008	0.000											
20.000	19.968	19.933											
5.146	5.038	5.037											
10.683	10.577	10.556											
0.312	0.318	0.325											
Chl	Chl	Chl											
Hbl	Hbl	Hbl											
F30	F31	F32	F33	F34	F35	F35a	F36	F37	F38	F39	F40	F41	F42
26.19	26.64	26.32	26.58	26.50	26.37	26.51	26.50	26.60	26.49	26.30	26.76	26.46	26.27
0.05	0.02	0.05	0.07	0.03	0.04	0.01	0.02	0.02	0.03	0.03	0.04	0.03	0.02
20.23	20.07	20.15	19.86	20.00	19.91	19.92	20.00	20.29	20.15	20.09	20.15	20.17	20.12
0.03	0.13	0.15	0.09	0.06	0.09	0.15	0.15	0.06	0.18	0.06	0.10	0.04	0.14
24.18	23.73	23.40	23.88	23.52	24.22	23.72	23.83	23.67	23.82	23.68	24.03	23.70	23.79
0.36	0.37	0.37	0.38	0.31	0.41	0.35	0.27	0.35	0.38	0.23	0.28	0.31	0.32

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

16.33	16.35	16.40	16.58	16.45	16.59	16.67	16.91	16.61	16.64	16.68	16.40	16.73	16.32
0.04	0.04	0.02	0.01	0.02	0.03	0.07	0.03	0.05	0.04	0.04	0.02	0.00	0.02
0.02	0.00	0.00	0.01	0.03	0.02	0.00	0.04	0.03	0.00	0.05	0.00	0.00	0.01
0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.02
87.43	87.38	86.87	87.47	86.95	87.70	87.40	87.77	87.69	87.73	87.15	87.77	87.44	87.02
5.506	5.586	5.546	5.574	5.580	5.531	5.560	5.537	5.553	5.538	5.529	5.587	5.541	5.537
2.494	2.414	2.454	2.426	2.420	2.469	2.440	2.463	2.447	2.462	2.471	2.413	2.459	2.463
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.519	2.546	2.550	2.483	2.542	2.453	2.485	2.462	2.546	2.502	2.506	2.544	2.521	2.535
0.006	0.021	0.025	0.015	0.010	0.015	0.025	0.024	0.010	0.030	0.010	0.017	0.007	0.023
4.252	4.161	4.124	4.187	4.141	4.248	4.161	4.163	4.133	4.164	4.163	4.195	4.150	4.194
0.064	0.066	0.067	0.068	0.055	0.073	0.062	0.048	0.061	0.067	0.042	0.049	0.055	0.057
5.117	5.112	5.153	5.184	5.162	5.188	5.212	5.266	5.170	5.185	5.228	5.104	5.224	5.130
0.007	0.003	0.008	0.011	0.005	0.007	0.002	0.003	0.003	0.004	0.004	0.007	0.004	0.003
11.964	11.909	11.926	11.947	11.915	11.983	11.947	11.967	11.924	11.952	11.954	11.915	11.961	11.941
0.005	0.005	0.003	0.004	0.005	0.002	0.002	0.006	0.004	0.000	0.000	0.000	0.000	0.006
0.007	0.000	0.000	0.004	0.013	0.006	0.000	0.014	0.010	0.000	0.022	0.000	0.001	0.006
0.008	0.009	0.004	0.002	0.005	0.007	0.016	0.008	0.010	0.009	0.008	0.005	0.000	0.004
19.984	19.923	19.933	19.957	19.938	19.998	19.964	19.995	19.949	19.961	19.984	19.920	19.961	19.956
5.013	4.960	5.003	4.909	4.963	4.922	4.925	4.925	4.993	4.964	4.977	4.957	4.979	4.997
2.539	2.573	2.591	2.520	2.562	2.482	2.514	2.492	2.562	2.540	2.524	2.575	2.536	2.564
0.454	0.449	0.445	0.447	0.445	0.450	0.444	0.442	0.444	0.445	0.443	0.451	0.443	0.450
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz
F72	F73	F74	F75	F76	F77	F78	F79	F80	F81	F82	F83	F84	
25.61	25.88	25.91	26.06	26.06	26.19	25.91	26.24	26.26	25.87	25.99	26.22	26.18	
0.04	0.01	0.03	0.03	0.05	0.03	0.05	0.04	0.03	0.05	0.04	0.01	0.04	
19.20	18.97	18.95	19.00	19.81	19.50	19.24	19.29	19.51	19.51	19.15	19.33	19.19	
0.02	0.06	0.00	0.03	0.11	0.02	0.02	0.06	0.05	0.06	0.02	0.03	0.04	
26.57	26.44	26.61	26.32	26.47	26.63	26.45	26.63	27.24	26.52	26.54	26.62	26.92	

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0.40	0.36	0.36	0.42	0.35	0.41	0.36	0.34	0.32	0.41	0.39	0.34	0.42	
14.51	14.43	14.88	14.65	14.63	14.96	15.01	15.07	14.95	14.81	14.74	14.96	14.87	
0.04	0.02	0.03	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.01	0.03	0.02	
0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.04	0.00	
0.00	0.00	0.05	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.00	
86.39	86.16	86.82	86.55	87.49	87.73	87.07	87.67	88.39	87.22	86.89	87.58	87.68	
5.538	5.603	5.574	5.612	5.545	5.563	5.549	5.577	5.550	5.530	5.580	5.579	5.576	
2.462	2.397	2.426	2.388	2.455	2.437	2.451	2.423	2.450	2.470	2.420	2.421	2.424	
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	
2.431	2.444	2.377	2.435	2.511	2.443	2.404	2.410	2.410	2.445	2.425	2.427	2.395	
0.004	0.010	0.000	0.005	0.019	0.002	0.003	0.011	0.009	0.010	0.002	0.005	0.007	
4.805	4.786	4.786	4.740	4.710	4.729	4.736	4.733	4.814	4.741	4.764	4.737	4.796	
0.073	0.067	0.066	0.077	0.062	0.074	0.065	0.060	0.058	0.074	0.070	0.061	0.075	
4.679	4.657	4.773	4.704	4.641	4.736	4.791	4.776	4.710	4.720	4.715	4.746	4.721	
0.006	0.002	0.004	0.005	0.008	0.005	0.008	0.006	0.005	0.008	0.006	0.002	0.007	
11.999	11.966	12.006	11.966	11.952	11.991	12.007	11.995	12.006	11.998	11.984	11.977	12.000	
0.000	0.000	0.012	0.006	0.003	0.000	0.004	0.000	0.000	0.000	0.003	0.004	0.000	
0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.009	0.004	0.004	0.014	0.000	
0.008	0.004	0.006	0.000	0.001	0.000	0.005	0.000	0.000	0.000	0.003	0.007	0.004	
20.007	19.969	20.028	19.972	19.956	19.991	20.016	19.995	20.015	20.002	19.993	20.002	20.004	
4.894	4.841	4.803	4.823	4.967	4.881	4.855	4.832	4.860	4.915	4.846	4.847	4.818	
2.447	2.458	2.385	2.450	2.546	2.456	2.422	2.432	2.429	2.470	2.440	2.435	2.415	
0.507	0.507	0.501	0.502	0.504	0.500	0.497	0.498	0.505	0.501	0.503	0.500	0.504	
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	
Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	
W66	W67	W68	W69	W70	W71								
26.72	26.62	27.02	27.15	26.73	27.04								
0.09	0.08	0.04	0.06	0.05	0.07								
21.48	21.91	21.84	21.96	22.00	21.58								
0.06	0.02	0.07	0.05	0.07	0.06								

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18.09	18.28	18.27	17.83	18.19	17.21								
0.27	0.23	0.24	0.19	0.20	0.24								
19.90	20.19	19.84	20.29	20.18	20.33								
0.00	0.03	0.04	0.01	0.07	0.04								
0.02	0.00	0.00	0.00	0.00	0.00								
0.00	0.01	0.00	0.00	0.00	0.02								
86.64	87.36	87.37	87.53	87.50	86.61								
5.473	5.412	5.486	5.486	5.423	5.511								
2.527	2.588	2.514	2.514	2.577	2.482								
8.000	8.000	8.000	8.000	8.000	8.000								
2.660	2.662	2.712	2.713	2.681	2.696								
0.009	0.004	0.012	0.008	0.010	0.009								
3.099	3.107	3.103	3.012	3.079	2.933								
0.047	0.039	0.042	0.032	0.034	0.042								
6.079	6.120	6.005	6.111	6.105	6.177								
0.014	0.012	0.007	0.010	0.010	0.011								
11.909	11.943	11.880	11.885	11.919	11.869								
0.000	0.002	0.000	0.000	0.001	0.006								
0.009	0.000	0.000	0.000	0.000	0.002								
0.001	0.006	0.009	0.002	0.015	0.010								
19.919	19.950	19.889	19.887	19.934	19.886								
5.187	5.250	5.226	5.228	5.259	5.178								
2.698	2.689	2.737	2.741	2.711	2.727								
0.338	0.337	0.341	0.330	0.335	0.322								
Chl	Chl	Chl	Chl	Chl	Chl								
Hbl	Hbl	Hbl	Hbl	Hbl	Hbl								
Pl	Pl	Pl	Pl	Pl	Pl								
Ep	Ep	Ep	Ep	Ep	Ep								
W188	W189	W190	W191	W192									
26.44	26.57	26.75	27.00	27.30									
0.09	0.05	0.05	0.08	0.09									
21.43	21.31	21.17	21.51	21.34									

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.05	0.09	0.02	0.06	0.05									
17.16	17.33	16.91	16.84	16.67									
0.22	0.19	0.19	0.18	0.20									
21.42	20.99	21.39	21.69	21.90									
0.04	0.09	0.04	0.02	0.05									
0.00	0.01	0.00	0.00	0.02									
0.00	0.02	0.01	0.00	0.00									
86.86	86.66	86.54	87.38	87.62									
5.384	5.429	5.457	5.450	5.476									
2.616	2.571	2.543	2.550	2.524									
8.000	8.000	8.000	8.000	8.000									
2.529	2.559	2.546	2.571	2.541									
0.009	0.015	0.003	0.010	0.008									
2.924	2.960	2.885	2.832	2.812									
0.039	0.033	0.033	0.031	0.034									
6.504	6.393	6.502	6.531	6.544									
0.013	0.007	0.008	0.011	0.013									
12.017	11.967	11.978	11.977	11.954									
0.000	0.006	0.003	0.000	0.000									
0.000	0.003	0.000	0.000	0.007									
0.009	0.020	0.009	0.004	0.011									
20.026	19.996	19.990	19.981	19.971									
5.145	5.131	5.089	5.121	5.065									
2.564	2.589	2.565	2.603	2.578									
0.310	0.316	0.307	0.304	0.299									
Chl	Chl	Chl	Chl	Chl									
Hbl	Hbl	Hbl	Hbl	Hbl									
Pl	Pl	Pl	Pl	Pl									
Ep	Ep	Ep	Ep	Ep									
B39	B40	B41	B42	B44									
26.75	26.43	26.49	26.35	26.15									
0.03	0.04	0.04	0.06	0.05									

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19.22	19.39	18.93	19.13	19.16									
0.00	0.04	0.05	0.03	0.05									
23.56	23.96	23.68	24.12	24.09									
0.31	0.35	0.32	0.44	0.32									
17.37	17.12	17.14	16.98	16.80									
0.02	0.03	0.01	0.02	0.00									
0.03	0.00	0.01	0.00	0.02									
0.00	0.01	0.00	0.02	0.00									
87.29	87.35	86.67	87.15	86.63									
5.613	5.558	5.609	5.567	5.557									
2.387	2.442	2.391	2.433	2.443									
8.000	8.000	8.000	8.000	8.000									
2.367	2.365	2.335	2.329	2.354									
0.000	0.006	0.008	0.006	0.008									
4.134	4.216	4.193	4.261	4.281									
0.055	0.062	0.057	0.079	0.057									
5.433	5.368	5.412	5.349	5.320									
0.005	0.006	0.007	0.010	0.008									
11.995	12.022	12.013	12.032	12.029									
0.000	0.002	0.000	0.006	0.000									
0.013	0.000	0.004	0.000	0.007									
0.004	0.006	0.002	0.004	0.000									
20.011	20.031	20.019	20.042	20.035									
4.754	4.807	4.726	4.762	4.797									
2.377	2.382	2.357	2.355	2.379									
0.432	0.440	0.437	0.443	0.446									
Chl	Chl	Chl	Chl	Chl									
Act	Act	Act	Act	Act									
Ab	Ab	Ab	Ab	Ab									
Ep	Ep	Ep	Ep	Ep									
CR31	CR32	CR33	CR34	CR35									
25.92	25.81	25.89	25.59	25.61									

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0.05	0.07	0.06	0.07	0.03									
19.46	19.61	19.84	19.86	19.62									
0.07	0.00	0.00	0.00	0.01									
26.37	25.61	26.01	25.72	25.59									
0.25	0.18	0.25	0.21	0.19									
16.02	16.04	15.85	15.87	16.16									
0.04	0.02	0.05	0.07	0.02									
0.00	0.01	0.00	0.00	0.00									
0.01	0.00	0.01	0.00	0.01									
88.18	87.33	87.95	87.39	87.25									
5.474	5.479	5.468	5.436	5.446									
2.526	2.521	2.532	2.564	2.554									
8.000	8.000	8.000	8.000	8.000									
2.317	2.384	2.405	2.408	2.362									
0.012	0.000	0.000	0.000	0.002									
4.658	4.547	4.593	4.570	4.552									
0.044	0.032	0.045	0.038	0.034									
5.042	5.078	4.989	5.025	5.127									
0.008	0.011	0.010	0.011	0.005									
12.081	12.052	12.042	12.051	12.082									
0.002	0.000	0.002	0.000	0.004									
0.000	0.003	0.000	0.001	0.000									
0.009	0.004	0.011	0.017	0.005									
20.092	20.059	20.055	20.068	20.091									
4.843	4.906	4.937	4.972	4.916									
2.345	2.406	2.425	2.429	2.375									
0.480	0.472	0.479	0.476	0.470									
Chl	Chl	Chl	Chl	Chl									
Ilm	Ilm	Ilm	Ilm	Ms									
Grt	Grt	Grt	Grt	Ilm									

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

R78													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

26.03													
0.09													
20.65													
0.00													
21.46													
0.26													
17.57													
0.04													
0.01													
0.00													
86.11													
5.475													
2.525													
8.000													
2.594													
0.000													
3.774													
0.046													
5.511													
0.015													
11.940													
0.004													
0.000													
0.009													
19.953													
5.119													
2.624													
0.406													
Chl													
Qtz													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

R50	R52	R53	R54	R55	R39	R40	R42	R43	R44	R45	R46		
25.18	26.25	26.21	26.33	26.37	26.13	26.59	26.56	26.31	26.81	26.55	26.76		

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.07	0.03	0.06	0.03	0.07	0.04	0.04	0.06	0.03	0.03	0.04	0.03		
20.47	21.31	21.03	21.04	21.05	21.14	20.65	20.95	20.92	20.51	21.28	20.93		
0.00	0.00	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.04	0.00	0.02		
21.29	21.36	21.53	21.32	21.09	20.96	20.34	20.59	21.06	20.96	21.40	20.71		
0.22	0.17	0.15	0.27	0.25	0.18	0.22	0.23	0.19	0.19	0.28	0.21		
16.98	17.95	17.79	17.43	18.15	17.64	17.86	17.95	17.53	17.40	18.04	17.51		
0.06	0.00	0.05	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.03	0.06		
0.03	0.00	0.00	0.02	0.02	0.00	0.05	0.00	0.05	0.05	0.02	0.00		
0.00	0.01	0.00	0.02	0.00	0.01	0.01	0.00	0.03	0.00	0.00	0.03		
84.28	87.08	86.82	86.46	87.05	86.12	85.78	86.35	86.13	86.00	87.64	86.25		
5.463	5.444	5.461	5.503	5.467	5.473	5.571	5.533	5.513	5.617	5.471	5.580		
2.537	2.556	2.539	2.497	2.533	2.527	2.429	2.467	2.487	2.383	2.529	2.420		
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000		
2.646	2.654	2.625	2.686	2.611	2.691	2.669	2.675	2.678	2.680	2.640	2.725		
0.003	0.000	0.000	0.000	0.005	0.000	0.001	0.000	0.000	0.007	0.000	0.004		
3.693	3.706	3.751	3.726	3.657	3.671	3.563	3.586	3.691	3.672	3.689	3.611		
0.031	0.029	0.027	0.047	0.044	0.031	0.039	0.041	0.033	0.034	0.050	0.037		
5.550	5.550	5.524	5.432	5.611	5.507	5.578	5.573	5.476	5.434	5.542	5.443		
0.007	0.005	0.010	0.004	0.011	0.006	0.006	0.009	0.004	0.005	0.006	0.004		
11.930	11.944	11.937	11.895	11.939	11.906	11.856	11.884	11.882	11.832	11.927	11.824		
0.000	0.000	0.000	0.010	0.007	0.000	0.019	0.000	0.020	0.020	0.006	0.000		
0.000	0.003	0.000	0.004	0.000	0.004	0.002	0.000	0.008	0.000	0.001	0.008		
0.006	0.000	0.010	0.002	0.005	0.004	0.004	0.003	0.004	0.003	0.007	0.014		
19.937	19.947	19.948	19.909	19.950	19.914	19.883	19.887	19.914	19.853	19.941	19.846		
5.183	5.210	5.164	5.183	5.144	5.218	5.098	5.142	5.165	5.063	5.169	5.145		
2.663	2.664	2.645	2.694	2.638	2.703	2.682	2.693	2.686	2.697	2.652	2.737		
0.400	0.400	0.404	0.407	0.395	0.400	0.390	0.392	0.403	0.403	0.400	0.399		
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl		
Ab	Ab	Ab	Ab	Ab	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz		
Ep	Ep	Ep	Ep	Ep									
O72	O73	O74	O75	O76	O78	O79	O80						
27.27	26.53	26.87	26.74	27.40	27.16	26.95	26.99						

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

0.04	0.05	0.10	0.03	0.06	0.00	0.03	0.04						
19.11	19.44	19.15	19.31	19.27	19.44	19.28	19.07						
0.04	0.09	0.10	0.04	0.03	0.01	0.00	0.10						
25.97	25.88	25.86	25.34	26.19	25.95	26.61	25.93						
0.47	0.47	0.54	0.45	0.46	0.50	0.49	0.51						
14.71	14.35	14.32	15.04	14.51	14.58	14.43	14.83						
0.03	0.07	0.04	0.04	0.07	0.05	0.07	0.06						
0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00						
0.01	0.01	0.00	0.00	0.01	0.02	0.01	0.01						
87.66	86.91	87.00	86.99	87.99	87.70	87.88	87.55						
5.762	5.665	5.728	5.683	5.769	5.735	5.704	5.717						
2.238	2.335	2.272	2.317	2.231	2.265	2.296	2.283						
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000						
2.521	2.558	2.539	2.521	2.550	2.573	2.513	2.479						
0.006	0.016	0.017	0.007	0.005	0.002	0.000	0.016						
4.589	4.621	4.610	4.504	4.611	4.581	4.710	4.594						
0.083	0.086	0.098	0.080	0.081	0.088	0.088	0.092						
4.634	4.567	4.552	4.766	4.554	4.588	4.554	4.684						
0.006	0.008	0.016	0.004	0.010	0.000	0.005	0.006						
11.838	11.855	11.831	11.882	11.811	11.832	11.870	11.872						
0.008	0.000	0.005	0.000	0.000	0.000	0.000	0.000						
0.003	0.003	0.001	0.000	0.003	0.005	0.004	0.003						
0.006	0.016	0.009	0.009	0.015	0.011	0.016	0.015						
19.855	19.875	19.846	19.891	19.829	19.848	19.889	19.889						
4.758	4.893	4.811	4.838	4.781	4.838	4.809	4.762						
2.539	2.590	2.588	2.536	2.575	2.575	2.523	2.507						
0.498	0.503	0.503	0.486	0.503	0.500	0.508	0.495						
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl						
r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt						
O12	O13	O14	O15	O16	O17	O18	O19	O20	O31	O32	O33	O34	O35
26.62	26.60	26.84	26.68	27.08	26.63	26.92	26.40	26.80	27.13	26.83	26.69	26.91	27.10
0.02	0.04	0.12	0.07	0.09	0.08	0.05	0.02	0.01	0.04	0.03	0.04	0.01	0.04

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20.59	20.59	19.93	20.51	20.12	20.13	20.10	20.21	20.57	19.96	20.26	20.80	20.31	20.50
0.05	0.03	0.08	0.11	0.12	0.10	0.11	0.11	0.07	0.03	0.07	0.09	0.09	0.00
23.63	23.30	24.15	23.12	23.02	23.58	24.13	23.80	23.33	23.41	23.92	23.81	23.29	23.58
0.23	0.21	0.34	0.27	0.23	0.28	0.32	0.28	0.29	0.18	0.20	0.14	0.20	0.17
17.14	16.95	16.80	17.29	17.52	16.81	16.71	16.78	16.72	17.29	16.77	16.74	17.35	17.30
0.01	0.07	0.05	0.03	0.04	0.03	0.09	0.03	0.03	0.03	0.01	0.04	0.01	0.04
0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.02
0.03	0.00	0.02	0.01	0.06	0.02	0.01	0.02	0.02	0.05	0.01	0.03	0.04	0.00
88.32	87.83	88.33	88.09	88.28	87.65	88.43	87.67	87.85	88.10	88.09	88.38	88.19	88.75
5.510	5.527	5.575	5.524	5.590	5.559	5.582	5.520	5.567	5.619	5.574	5.521	5.566	5.571
2.490	2.473	2.425	2.476	2.410	2.441	2.418	2.480	2.433	2.381	2.426	2.479	2.434	2.429
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.532	2.570	2.456	2.530	2.485	2.512	2.494	2.501	2.602	2.490	2.534	2.593	2.517	2.537
0.009	0.005	0.013	0.017	0.020	0.016	0.017	0.017	0.012	0.005	0.011	0.014	0.014	0.000
4.092	4.049	4.196	4.004	3.973	4.115	4.184	4.162	4.052	4.054	4.155	4.119	4.028	4.054
0.040	0.036	0.060	0.047	0.039	0.050	0.057	0.049	0.052	0.031	0.034	0.024	0.034	0.030
5.288	5.251	5.203	5.336	5.391	5.231	5.165	5.231	5.178	5.339	5.194	5.161	5.350	5.301
0.003	0.006	0.019	0.011	0.014	0.012	0.007	0.002	0.002	0.005	0.004	0.006	0.001	0.006
11.963	11.917	11.946	11.945	11.922	11.936	11.925	11.964	11.897	11.924	11.933	11.916	11.944	11.928
0.004	0.019	0.000	0.000	0.000	0.000	0.002	0.009	0.000	0.000	0.000	0.004	0.000	0.007
0.007	0.000	0.006	0.003	0.016	0.005	0.003	0.005	0.006	0.012	0.002	0.008	0.010	0.000
0.003	0.017	0.010	0.007	0.008	0.006	0.019	0.008	0.007	0.007	0.001	0.008	0.002	0.008
19.977	19.953	19.962	19.955	19.947	19.947	19.948	19.985	19.911	19.944	19.937	19.936	19.955	19.943
5.023	5.043	4.880	5.006	4.895	4.953	4.912	4.981	5.035	4.871	4.960	5.072	4.950	4.967
2.547	2.587	2.507	2.569	2.533	2.552	2.525	2.522	2.618	2.505	2.553	2.619	2.533	2.549
0.436	0.435	0.446	0.429	0.424	0.440	0.448	0.443	0.439	0.432	0.444	0.444	0.430	0.433
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt
V31	V32	V33	V34	V35	V36	V37	V38	V39	V40				
28.06	28.48	28.46	28.06	28.07	28.06	28.09	28.37	28.40	28.16				
0.00	0.00	0.01	0.00	0.02	0.00	0.02	0.01	0.02	0.03				
18.17	17.84	18.73	18.23	18.28	18.37	18.44	18.29	18.47	18.20				

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0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.00				
20.68	20.70	20.32	20.68	20.17	20.26	20.97	20.50	20.45	20.42				
0.21	0.55	0.16	0.23	0.40	0.20	0.25	0.26	0.15	0.35				
19.25	19.12	19.50	18.91	19.02	19.29	18.93	18.91	19.56	18.86				
0.04	0.09	0.05	0.04	0.04	0.03	0.02	0.04	0.04	0.08				
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00				
0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00				
86.42	86.78	87.24	86.18	85.99	86.22	86.73	86.42	87.14	86.11				
5.843	5.912	5.846	5.859	5.862	5.841	5.835	5.896	5.849	5.879				
2.157	2.088	2.154	2.141	2.138	2.159	2.165	2.104	2.151	2.121				
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000				
2.302	2.276	2.381	2.344	2.360	2.349	2.348	2.377	2.331	2.356				
0.001	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.007	0.000				
3.601	3.594	3.491	3.612	3.522	3.528	3.643	3.563	3.521	3.566				
0.037	0.097	0.027	0.041	0.070	0.036	0.044	0.046	0.025	0.062				
5.976	5.916	5.972	5.888	5.921	5.985	5.863	5.858	6.006	5.870				
0.000	0.000	0.002	0.000	0.003	0.000	0.003	0.002	0.003	0.005				
11.917	11.884	11.873	11.887	11.877	11.898	11.901	11.846	11.893	11.859				
0.003	0.003	0.000	0.004	0.000	0.003	0.000	0.004	0.000	0.001				
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.002	0.000				
0.008	0.021	0.011	0.008	0.009	0.006	0.004	0.008	0.009	0.018				
19.928	19.908	19.884	19.899	19.885	19.906	19.905	19.870	19.905	19.878				
4.459	4.364	4.535	4.485	4.498	4.507	4.513	4.481	4.482	4.477				
10.232	10.283	10.208	10.224	10.278	10.230	10.253	10.196	10.202	10.245				
0.376	0.378	0.369	0.380	0.373	0.371	0.383	0.378	0.370	0.378				
Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.	Chl ps.				

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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F43													
26.34													
0.06													
20.27													
0.06													
24.29													
0.30													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

16.39													
0.01													
0.02													
0.01													
87.76													
5.515													
2.485													
8.000													
2.517													
0.010													
4.254													
0.054													
5.116													
0.010													
11.961													
0.003													
0.008													
0.003													
19.975													
5.002													
2.547													
0.454													
Chl													
Ms													
Ab													
Qtz													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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O36	O37	O38	O39	O40
27.18	27.01	27.20	26.97	26.97
0.04	0.02	0.00	0.09	0.02

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

20.65	20.09	20.27	20.50	20.00
0.00	0.08	0.03	0.01	0.11
23.16	23.62	23.30	23.50	24.03
0.19	0.23	0.15	0.11	0.19
17.22	17.35	17.58	17.27	16.90
0.03	0.02	0.04	0.04	0.01
0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.01	0.00	0.01
88.46	88.42	88.57	88.49	88.24
5.589	5.581	5.596	5.558	5.596
2.411	2.419	2.404	2.442	2.404
8.000	8.000	8.000	8.000	8.000
2.595	2.474	2.508	2.537	2.488
0.000	0.013	0.004	0.002	0.017
3.984	4.082	4.008	4.049	4.171
0.033	0.039	0.025	0.019	0.033
5.278	5.344	5.391	5.307	5.230
0.006	0.003	0.000	0.014	0.004
11.896	11.956	11.936	11.929	11.942
0.000	0.000	0.000	0.000	0.000
0.000	0.006	0.003	0.000	0.001
0.006	0.004	0.008	0.009	0.003
19.902	19.966	19.948	19.938	19.946
5.006	4.893	4.913	4.980	4.892
2.607	2.493	2.512	2.567	2.513
0.430	0.433	0.426	0.433	0.444
Chl	Chl	Chl	Chl	Chl
r2/Bt	r2/Bt	r2/Bt	r2/Bt	r2/Bt

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Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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Chlorites in LP felsic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample 'CM034. Comelico (Eastern Alps, Italy).													
Analysis	X35	X36	X37	X38	X39	X40	X41	X42	X43	X44	X45	X46	X47
SiO2	25.29	25.24	25.44	25.28	25.19	25.32	24.80	25.46	24.97	25.72	25.33	25.12	25.02
TiO2	0.06	0.06	0.06	0.09	0.09	0.07	0.09	0.04	0.05	0.09	0.07	0.08	0.07
Al2O3	20.25	20.58	20.47	20.29	20.48	20.58	20.31	20.40	20.53	20.55	20.40	20.10	20.08
Cr2O3	0.06	0.00	0.01	0.03	0.04	0.01	0.03	0.03	0.05	0.03	0.01	0.00	0.02
FeO	31.37	32.12	31.27	31.40	31.34	31.06	31.18	31.83	31.30	30.44	30.86	31.17	31.31
MnO	0.25	0.23	0.25	0.22	0.24	0.24	0.26	0.27	0.25	0.21	0.27	0.20	0.22
MgO	10.97	11.01	11.23	11.02	11.35	11.31	11.37	11.13	11.17	11.57	11.37	11.17	11.25
CaO	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00
Na2O	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.03
K2O	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.01	0.01	0.01	0.00	0.06
Total	88.25	89.24	88.74	88.34	88.74	88.59	88.10	89.16	88.35	88.64	88.33	87.84	88.06
Si+4	5.474	5.419	5.467	5.466	5.421	5.447	5.385	5.462	5.402	5.503	5.462	5.462	5.436
AlIV	2.526	2.581	2.533	2.534	2.579	2.553	2.615	2.538	2.598	2.497	2.538	2.538	2.564
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.641	2.625	2.651	2.637	2.616	2.663	2.583	2.620	2.637	2.687	2.647	2.613	2.578
Cr+3	0.010	0.001	0.002	0.006	0.006	0.002	0.005	0.004	0.009	0.005	0.002	0.000	0.003
Fe+2	5.680	5.767	5.620	5.677	5.640	5.586	5.661	5.711	5.662	5.447	5.564	5.668	5.690
Mn+2	0.045	0.041	0.046	0.040	0.044	0.043	0.048	0.048	0.045	0.038	0.050	0.037	0.040
Mg+2	3.542	3.525	3.599	3.551	3.642	3.626	3.679	3.559	3.601	3.692	3.656	3.620	3.644
Ti+4	0.010	0.009	0.010	0.015	0.015	0.012	0.014	0.006	0.008	0.014	0.011	0.012	0.011
totVI	11.927	11.968	11.928	11.926	11.963	11.932	11.989	11.949	11.963	11.882	11.930	11.950	11.966
K+1	0.000	0.000	0.000	0.001	0.003	0.000	0.010	0.001	0.004	0.004	0.003	0.000	0.016
Na+1	0.000	0.000	0.000	0.001	0.000	0.000	0.011	0.000	0.007	0.000	0.000	0.000	0.012
Ca+2	0.000	0.000	0.002	0.003	0.000	0.000	0.000	0.001	0.000	0.005	0.002	0.000	0.000
Cations	19.927	19.968	19.930	19.931	19.965	19.932	20.010	19.951	19.973	19.890	19.934	19.950	19.994
Altot	5.167	5.206	5.184	5.171	5.194	5.216	5.198	5.158	5.235	5.183	5.185	5.151	5.142
AlVI+2Ti+(	2.671	2.645	2.673	2.673	2.651	2.688	2.616	2.637	2.662	2.719	2.672	2.637	2.603
Fe/Fe+Mg	0.616	0.621	0.610	0.615	0.608	0.606	0.606	0.616	0.611	0.596	0.603	0.610	0.610
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

X48	X49	X50	X51	X52	X53	X54	X55	X56	X57	X58	X59	X60	X61
25.19	25.30	25.12	24.82	25.22	25.33	25.25	25.44	25.80	25.60	25.94	26.20	25.74	25.72
0.06	0.02	0.04	0.04	0.05	0.04	0.05	0.08	0.08	0.09	0.04	0.01	0.02	0.07
20.03	20.18	20.36	20.23	20.31	19.93	19.96	20.19	19.92	19.71	19.85	19.93	19.71	19.75
0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.04	0.02	0.03	0.05
30.73	30.89	30.90	31.21	31.59	30.97	30.99	30.93	30.98	30.32	30.78	30.66	31.06	30.40
0.25	0.24	0.14	0.29	0.18	0.19	0.27	0.13	0.21	0.23	0.16	0.19	0.14	0.19
11.39	11.37	11.25	11.26	10.95	11.75	11.36	11.52	11.45	11.58	11.45	11.62	11.58	11.74
0.03	0.04	0.00	0.02	0.02	0.00	0.00	0.01	0.01	0.03	0.04	0.00	0.00	0.01
0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.03	0.00	0.02	0.05	0.02	0.06	0.00
0.02	0.01	0.02	0.01	0.04	0.02	0.00	0.00	0.04	0.01	0.02	0.02	0.00	0.00
87.70	88.05	87.87	87.88	88.36	88.23	87.90	88.33	88.49	87.59	88.37	88.67	88.34	87.93
5.475	5.478	5.449	5.403	5.459	5.475	5.482	5.484	5.552	5.554	5.582	5.607	5.552	5.555
2.525	2.522	2.551	2.597	2.541	2.525	2.518	2.516	2.448	2.446	2.418	2.393	2.448	2.445
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.606	2.627	2.654	2.593	2.639	2.552	2.589	2.613	2.604	2.594	2.615	2.634	2.563	2.584
0.001	0.000	0.001	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.007	0.003	0.005	0.009
5.586	5.593	5.606	5.681	5.717	5.597	5.627	5.576	5.576	5.502	5.539	5.488	5.604	5.491
0.046	0.043	0.026	0.053	0.034	0.036	0.049	0.025	0.038	0.042	0.029	0.035	0.026	0.034
3.690	3.668	3.637	3.654	3.534	3.786	3.678	3.702	3.672	3.746	3.672	3.708	3.723	3.780
0.010	0.003	0.007	0.007	0.009	0.006	0.008	0.014	0.012	0.014	0.007	0.002	0.004	0.011
11.940	11.934	11.932	11.988	11.933	11.977	11.953	11.929	11.902	11.898	11.869	11.869	11.925	11.910
0.004	0.003	0.004	0.004	0.010	0.007	0.000	0.001	0.010	0.003	0.006	0.005	0.000	0.000
0.000	0.000	0.013	0.000	0.000	0.000	0.005	0.012	0.000	0.009	0.019	0.008	0.023	0.002
0.007	0.009	0.000	0.005	0.005	0.000	0.000	0.002	0.003	0.008	0.009	0.000	0.000	0.003
19.951	19.946	19.950	19.997	19.947	19.984	19.959	19.945	19.915	19.918	19.903	19.883	19.948	19.915
5.131	5.149	5.205	5.190	5.180	5.077	5.107	5.129	5.052	5.040	5.033	5.028	5.011	5.029
2.627	2.633	2.669	2.607	2.657	2.564	2.606	2.640	2.629	2.622	2.636	2.641	2.575	2.616
0.602	0.604	0.607	0.609	0.618	0.597	0.605	0.601	0.603	0.595	0.601	0.597	0.601	0.592
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

X62	X64	X65	X66	X67	X68	X69	X70	X71	X72	X73	X74	X91	X93
25.72	25.62	25.10	25.56	25.52	25.06	25.40	25.66	25.25	25.51	25.14	25.28	25.30	24.97
0.08	0.07	0.06	0.06	0.08	0.07	0.05	0.03	0.03	0.10	0.06	0.06	0.07	0.08
20.28	20.03	20.46	20.52	20.33	20.13	19.98	20.46	20.51	20.13	20.25	20.09	20.15	19.76
0.00	0.00	0.00	0.01	0.05	0.00	0.04	0.08	0.06	0.00	0.05	0.00	0.01	0.00
30.63	30.66	30.86	31.15	31.19	31.05	31.44	30.95	30.85	31.15	30.84	31.73	30.33	30.37
0.20	0.17	0.22	0.14	0.23	0.24	0.21	0.22	0.18	0.24	0.28	0.19	0.17	0.17
11.62	11.50	11.20	10.89	11.24	11.38	10.96	11.03	11.30	11.30	11.48	11.27	11.27	10.94
0.00	0.01	0.00	0.03	0.00	0.01	0.03	0.00	0.03	0.01	0.02	0.00	0.00	0.00
0.00	0.00	0.02	0.03	0.00	0.00	0.04	0.00	0.00	0.01	0.01	0.02	0.00	0.00
0.03	0.01	0.04	0.03	0.02	0.04	0.04	0.01	0.08	0.03	0.03	0.03	0.02	0.15
88.56	88.07	87.96	88.42	88.66	87.98	88.19	88.44	88.29	88.48	88.16	88.67	87.32	86.44
5.516	5.531	5.440	5.505	5.487	5.440	5.506	5.521	5.449	5.498	5.439	5.458	5.507	5.507
2.484	2.469	2.560	2.495	2.513	2.560	2.494	2.479	2.551	2.502	2.561	2.542	2.493	2.493
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.643	2.627	2.666	2.714	2.641	2.590	2.613	2.707	2.665	2.612	2.604	2.569	2.674	2.645
0.000	0.000	0.000	0.002	0.009	0.000	0.007	0.014	0.010	0.001	0.009	0.000	0.001	0.000
5.495	5.535	5.594	5.611	5.609	5.637	5.700	5.569	5.569	5.615	5.580	5.728	5.520	5.601
0.037	0.031	0.040	0.025	0.042	0.044	0.039	0.040	0.033	0.043	0.051	0.036	0.031	0.032
3.717	3.702	3.618	3.499	3.604	3.684	3.542	3.536	3.636	3.632	3.704	3.628	3.658	3.598
0.013	0.011	0.010	0.009	0.012	0.011	0.008	0.005	0.004	0.017	0.009	0.009	0.011	0.013
11.904	11.906	11.927	11.860	11.917	11.966	11.909	11.872	11.917	11.921	11.956	11.969	11.895	11.890
0.007	0.003	0.010	0.010	0.004	0.010	0.010	0.003	0.021	0.008	0.007	0.010	0.006	0.042
0.000	0.000	0.010	0.014	0.000	0.000	0.015	0.000	0.000	0.003	0.003	0.007	0.000	0.000
0.000	0.003	0.000	0.008	0.000	0.003	0.006	0.000	0.006	0.002	0.004	0.000	0.000	0.000
19.911	19.912	19.947	19.892	19.921	19.979	19.941	19.875	19.945	19.933	19.971	19.986	19.901	19.932
5.127	5.097	5.226	5.209	5.154	5.150	5.107	5.187	5.216	5.115	5.165	5.112	5.167	5.138
2.669	2.648	2.686	2.735	2.674	2.612	2.637	2.733	2.683	2.647	2.631	2.587	2.697	2.671
0.597	0.599	0.607	0.616	0.609	0.605	0.617	0.612	0.605	0.607	0.601	0.612	0.601	0.609
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

X94	X95	X75	X76	X78	X79	X86	X87	X88	X89	X90	X80	X81	X82
25.34	25.73	24.99	25.27	25.54	25.42	25.15	25.41	25.16	25.39	25.27	25.08	25.21	25.30
0.05	0.07	0.06	0.03	0.06	0.03	0.09	0.07	0.09	0.06	0.08	0.06	0.05	0.05
20.77	20.55	19.72	20.53	20.26	20.45	20.24	20.10	20.05	20.17	20.06	20.53	20.42	20.28
0.00	0.01	0.01	0.00	0.00	0.00	0.04	0.05	0.03	0.02	0.01	0.00	0.00	0.00
30.11	30.77	30.83	30.60	30.56	30.47	31.30	30.72	30.50	30.60	30.70	30.95	30.50	31.11
0.30	0.25	0.17	0.26	0.20	0.24	0.23	0.21	0.17	0.22	0.24	0.23	0.25	0.23
11.45	11.38	11.28	11.14	11.42	11.22	11.09	11.26	11.34	11.33	11.27	11.10	11.40	11.45
0.02	0.00	0.00	0.03	0.01	0.02	0.00	0.03	0.00	0.07	0.02	0.00	0.00	0.01
0.01	0.02	0.00	0.00	0.05	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.04
0.05	0.02	0.03	0.01	0.00	0.00	0.06	0.06	0.00	0.02	0.04	0.03	0.06	0.09
88.10	88.80	87.09	87.87	88.10	87.86	88.21	87.92	87.35	87.88	87.69	87.98	87.89	88.56
5.456	5.505	5.479	5.470	5.509	5.497	5.451	5.504	5.482	5.498	5.490	5.436	5.457	5.452
2.544	2.495	2.521	2.530	2.491	2.503	2.549	2.496	2.518	2.502	2.510	2.564	2.543	2.548
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.728	2.687	2.575	2.708	2.660	2.709	2.621	2.636	2.632	2.644	2.628	2.681	2.667	2.604
0.000	0.002	0.001	0.001	0.000	0.000	0.007	0.009	0.005	0.004	0.002	0.000	0.000	0.000
5.421	5.506	5.653	5.539	5.514	5.511	5.673	5.566	5.558	5.542	5.580	5.610	5.522	5.607
0.054	0.045	0.031	0.048	0.036	0.043	0.041	0.038	0.031	0.040	0.044	0.042	0.045	0.042
3.675	3.630	3.689	3.596	3.672	3.617	3.582	3.638	3.684	3.659	3.650	3.585	3.679	3.680
0.008	0.012	0.010	0.005	0.009	0.005	0.014	0.012	0.014	0.010	0.013	0.009	0.008	0.008
11.887	11.882	11.959	11.897	11.892	11.885	11.937	11.897	11.923	11.899	11.916	11.927	11.921	11.941
0.013	0.006	0.008	0.003	0.000	0.001	0.016	0.015	0.001	0.006	0.011	0.009	0.017	0.024
0.005	0.010	0.000	0.000	0.021	0.004	0.003	0.005	0.006	0.000	0.000	0.000	0.000	0.019
0.004	0.001	0.000	0.007	0.003	0.005	0.000	0.007	0.000	0.016	0.006	0.000	0.000	0.003
19.908	19.899	19.967	19.907	19.917	19.894	19.957	19.924	19.931	19.921	19.933	19.937	19.938	19.985
5.272	5.182	5.095	5.238	5.152	5.212	5.170	5.131	5.150	5.147	5.137	5.245	5.210	5.152
2.745	2.713	2.595	2.719	2.679	2.720	2.655	2.668	2.664	2.667	2.655	2.699	2.684	2.619
0.596	0.603	0.605	0.606	0.600	0.604	0.613	0.605	0.601	0.602	0.605	0.610	0.600	0.604
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

X84	X85										
25.42	25.36										
0.08	0.04										
20.10	20.42										
0.00	0.00										
30.63	31.30										
0.21	0.18										
11.48	10.64										
0.01	0.03										
0.00	0.00										
0.10	0.02										
88.03	87.99										
5.497	5.500										
2.503	2.500										
8.000	8.000										
2.620	2.719										
0.000	0.000										
5.539	5.676										
0.038	0.033										
3.701	3.439										
0.014	0.007										
11.911	11.873										
0.028	0.005										
0.000	0.000										
0.003	0.008										
19.942	19.886										
5.123	5.219										
2.647	2.732										
0.599	0.623										
Chl	Chl										
Ms	Ms										
Qtz	Qtz										

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chlorites in LP felsic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample CM085. Comelico (Eastern Alps, Italy).													
Analysis	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	X13
SiO2	25.85	26.47	25.63	25.46	25.57	25.49	25.58	25.42	25.53	26.23	26.32	25.68	25.75
TiO2	0.03	0.06	0.02	0.08	0.03	0.06	0.06	0.06	0.04	0.02	0.06	0.06	0.06
Al2O3	19.87	19.57	19.50	20.11	19.83	19.48	19.21	19.83	19.44	19.22	19.50	19.96	19.24
Cr2O3	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.03	0.00	0.03	0.06	0.08	0.06
FeO	32.13	31.83	31.48	32.07	31.65	30.78	31.32	31.57	30.35	30.86	31.50	31.76	31.71
MnO	0.12	0.13	0.16	0.10	0.12	0.15	0.19	0.13	0.11	0.18	0.19	0.14	0.14
MgO	10.83	10.77	10.97	10.88	10.71	10.66	10.86	10.26	10.60	10.79	10.81	10.71	10.87
CaO	0.02	0.03	0.00	0.00	0.02	0.03	0.04	0.00	0.07	0.01	0.03	0.03	0.00
Na2O	0.04	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
K2O	0.00	0.02	0.01	0.00	0.02	0.00	0.00	0.01	0.00	0.02	0.01	0.02	0.00
Total	88.89	88.88	87.83	88.70	87.96	86.67	87.26	87.31	86.16	87.36	88.48	88.44	87.83
Si+4	5.566	5.682	5.578	5.496	5.557	5.605	5.606	5.569	5.634	5.713	5.672	5.551	5.611
AlIV	2.434	2.318	2.422	2.504	2.443	2.395	2.394	2.431	2.366	2.287	2.328	2.449	2.389
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.609	2.632	2.582	2.611	2.637	2.654	2.566	2.687	2.691	2.646	2.625	2.636	2.552
Cr+3	0.000	0.000	0.004	0.000	0.000	0.004	0.000	0.005	0.000	0.005	0.010	0.014	0.010
Fe+2	5.785	5.713	5.729	5.789	5.753	5.660	5.738	5.783	5.602	5.622	5.677	5.741	5.777
Mn+2	0.021	0.024	0.029	0.018	0.022	0.028	0.035	0.023	0.020	0.033	0.034	0.026	0.025
Mg+2	3.476	3.447	3.558	3.502	3.471	3.495	3.547	3.349	3.489	3.503	3.473	3.450	3.529
Ti+4	0.004	0.009	0.003	0.014	0.005	0.010	0.010	0.010	0.007	0.003	0.009	0.010	0.010
totVI	11.896	11.825	11.905	11.932	11.888	11.851	11.895	11.858	11.809	11.811	11.829	11.878	11.904
K+1	0.000	0.007	0.002	0.000	0.006	0.000	0.001	0.002	0.001	0.005	0.002	0.006	0.000
Na+1	0.015	0.000	0.016	0.000	0.004	0.000	0.000	0.001	0.007	0.000	0.000	0.000	0.000
Ca+2	0.005	0.006	0.000	0.001	0.005	0.007	0.009	0.000	0.017	0.001	0.006	0.008	0.000
Cations	19.916	19.837	19.924	19.933	19.903	19.858	19.905	19.861	19.835	19.817	19.838	19.892	19.904
Altot	5.043	4.951	5.003	5.115	5.079	5.048	4.960	5.118	5.057	4.933	4.953	5.085	4.941
AlVI+2Ti+(	2.617	2.650	2.592	2.639	2.647	2.678	2.586	2.712	2.705	2.657	2.653	2.670	2.582
Fe/Fe+Mg	0.625	0.624	0.617	0.623	0.624	0.618	0.618	0.633	0.616	0.616	0.620	0.625	0.621
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

X14	X15	X16	X17	X18	X19	X20	X28	X29	X30	X31	X32	X33	
25.84	25.90	26.01	25.38	25.78	25.47	25.97	25.64	25.56	25.27	25.13	25.49	26.09	
0.05	0.06	0.06	0.07	0.09	0.05	0.07	0.06	0.05	0.05	0.05	0.06	0.05	
19.54	19.58	19.63	20.23	19.48	19.72	19.49	19.97	19.69	19.62	19.80	20.19	19.99	
0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00	
31.70	31.60	31.31	31.88	31.68	30.87	31.82	31.91	31.77	32.15	31.23	31.76	31.63	
0.13	0.15	0.15	0.21	0.20	0.13	0.10	0.13	0.15	0.15	0.17	0.18	0.14	
10.95	10.91	10.57	10.52	10.86	10.57	10.92	10.49	10.73	10.93	10.67	10.77	10.74	
0.03	0.00	0.03	0.02	0.00	0.02	0.04	0.04	0.04	0.01	0.03	0.03	0.04	
0.00	0.03	0.00	0.00	0.00	0.01	0.01	0.07	0.01	0.00	0.00	0.00	0.02	
0.00	0.00	0.02	0.01	0.02	0.00	0.00	0.02	0.01	0.00	0.00	0.02	0.05	
88.28	88.23	87.78	88.35	88.11	86.84	88.42	88.33	88.01	88.21	87.08	88.53	88.75	
5.595	5.607	5.650	5.500	5.596	5.589	5.614	5.555	5.558	5.499	5.517	5.506	5.609	
2.405	2.393	2.350	2.500	2.404	2.411	2.386	2.445	2.442	2.501	2.483	2.494	2.391	
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	
2.581	2.601	2.674	2.667	2.579	2.690	2.579	2.654	2.605	2.532	2.641	2.648	2.673	
0.008	0.000	0.000	0.005	0.001	0.000	0.000	0.000	0.000	0.006	0.000	0.006	0.000	
5.740	5.720	5.687	5.778	5.751	5.666	5.753	5.783	5.778	5.852	5.734	5.738	5.685	
0.025	0.028	0.027	0.038	0.036	0.024	0.018	0.024	0.028	0.029	0.032	0.033	0.025	
3.533	3.522	3.422	3.397	3.514	3.459	3.518	3.388	3.478	3.545	3.492	3.468	3.441	
0.007	0.009	0.009	0.012	0.015	0.008	0.011	0.010	0.008	0.008	0.008	0.010	0.008	
11.894	11.880	11.818	11.897	11.895	11.846	11.879	11.858	11.897	11.971	11.907	11.902	11.832	
0.001	0.000	0.007	0.004	0.004	0.000	0.001	0.005	0.003	0.000	0.000	0.005	0.014	
0.000	0.012	0.000	0.000	0.000	0.003	0.006	0.031	0.006	0.002	0.000	0.000	0.008	
0.007	0.001	0.007	0.004	0.000	0.005	0.010	0.009	0.009	0.001	0.007	0.006	0.009	
19.902	19.894	19.833	19.904	19.900	19.854	19.895	19.904	19.915	19.974	19.913	19.913	19.863	
4.986	4.994	5.024	5.167	4.983	5.100	4.965	5.099	5.047	5.033	5.125	5.141	5.065	
2.603	2.619	2.692	2.696	2.610	2.706	2.601	2.674	2.621	2.554	2.657	2.674	2.689	
0.619	0.619	0.624	0.630	0.621	0.621	0.621	0.631	0.624	0.623	0.622	0.623	0.623	
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	
Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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Chlorites in LP felsic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample CM101.Comelico (Eastern Alps, Italy).													
Analysis	X96	X97	X98	X99	X100	X102	X103	X104	X105	X111	X112	X113	X114
SiO2	24.69	25.13	24.45	25.29	24.54	24.63	24.75	24.73	25.34	24.54	25.15	25.06	25.22
TiO2	0.02	0.03	0.02	0.04	0.05	0.00	0.03	0.00	0.01	0.04	0.01	0.02	0.04
Al2O3	20.22	19.82	20.12	20.40	20.42	20.19	19.72	20.02	19.69	19.68	19.70	19.92	19.64
Cr2O3	0.00	0.02	0.01	0.00	0.00	0.03	0.05	0.00	0.02	0.00	0.01	0.01	0.03
FeO	33.16	33.23	32.83	33.13	33.63	32.66	32.57	32.82	33.44	32.97	32.64	33.06	32.94
MnO	0.42	0.36	0.39	0.42	0.33	0.30	0.39	0.33	0.37	0.37	0.36	0.37	0.29
MgO	9.22	9.27	9.13	9.08	8.98	9.10	9.26	9.49	9.27	9.73	9.61	9.37	8.78
CaO	0.10	0.14	0.14	0.16	0.09	0.07	0.14	0.19	0.12	0.02	0.01	0.02	0.04
Na2O	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.02	0.06
K2O	0.00	0.02	0.01	0.02	0.01	0.00	0.00	0.07	0.01	0.02	0.00	0.00	0.00
Total	87.83	88.03	87.10	88.54	88.05	86.98	86.91	87.65	88.28	87.42	87.49	87.85	87.04
Si+4	5.438	5.521	5.430	5.511	5.404	5.465	5.501	5.453	5.554	5.436	5.541	5.510	5.594
AlIV	2.562	2.479	2.570	2.489	2.596	2.535	2.499	2.547	2.446	2.564	2.459	2.490	2.406
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.689	2.654	2.699	2.751	2.703	2.743	2.665	2.655	2.640	2.574	2.657	2.672	2.728
Cr+3	0.000	0.004	0.002	0.001	0.000	0.005	0.010	0.001	0.003	0.000	0.001	0.001	0.006
Fe+2	6.110	6.106	6.099	6.037	6.193	6.059	6.053	6.053	6.129	6.108	6.014	6.078	6.109
Mn+2	0.078	0.066	0.073	0.078	0.061	0.057	0.074	0.062	0.068	0.069	0.067	0.069	0.055
Mg+2	3.029	3.035	3.022	2.951	2.948	3.011	3.067	3.121	3.028	3.215	3.158	3.072	2.904
Ti+4	0.003	0.005	0.003	0.006	0.009	0.000	0.005	0.000	0.002	0.006	0.001	0.004	0.006
totVI	11.910	11.869	11.898	11.823	11.915	11.876	11.873	11.891	11.869	11.972	11.898	11.896	11.808
K+1	0.000	0.004	0.002	0.005	0.004	0.000	0.000	0.020	0.002	0.005	0.000	0.000	0.001
Na+1	0.000	0.003	0.000	0.000	0.000	0.002	0.000	0.000	0.003	0.020	0.000	0.009	0.024
Ca+2	0.023	0.033	0.033	0.037	0.021	0.016	0.034	0.044	0.028	0.005	0.001	0.005	0.010
Cations	19.933	19.910	19.933	19.865	19.939	19.894	19.907	19.956	19.902	20.001	19.900	19.909	19.843
Altot	5.251	5.132	5.269	5.240	5.299	5.278	5.164	5.202	5.086	5.138	5.116	5.162	5.134
AlVI+2Ti+(	2.695	2.667	2.706	2.764	2.721	2.749	2.685	2.656	2.647	2.586	2.660	2.680	2.745
Fe/Fe+Mg	0.669	0.668	0.669	0.672	0.677	0.668	0.664	0.660	0.669	0.655	0.656	0.664	0.678
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

X115	X116	X117	X118	X119	X120	X122	X123	X124	X125	X126	X127	X128	X129
24.78	24.82	25.26	24.53	24.43	24.56	24.83	24.62	25.03	25.44	24.93	25.35	24.82	24.94
0.02	0.01	0.05	0.03	0.03	0.05	0.01	0.02	0.02	0.04	0.04	0.03	0.05	0.10
20.19	20.33	20.19	21.00	20.30	19.73	20.00	19.96	20.22	19.83	19.84	19.78	20.33	20.44
0.00	0.04	0.00	0.02	0.03	0.04	0.00	0.02	0.02	0.05	0.00	0.01	0.01	0.06
33.30	33.16	33.15	33.44	31.67	32.47	32.72	33.03	33.66	33.06	33.16	33.21	33.75	33.33
0.37	0.44	0.42	0.34	0.32	0.38	0.39	0.31	0.37	0.36	0.26	0.36	0.24	0.28
9.29	9.36	9.35	9.08	9.03	9.58	9.70	9.75	9.69	9.92	8.99	9.61	8.83	9.14
0.03	0.00	0.03	0.03	0.00	0.00	0.02	0.01	0.03	0.02	0.02	0.00	0.02	0.01
0.00	0.04	0.03	0.00	0.03	0.00	0.00	0.05	0.00	0.00	0.00	0.02	0.00	0.01
0.00	0.06	0.03	0.02	0.03	0.03	0.01	0.01	0.02	0.01	0.04	0.03	0.02	0.02
87.98	88.26	88.51	88.49	85.87	86.84	87.68	87.78	89.06	88.73	87.28	88.40	88.07	88.33
5.449	5.439	5.509	5.362	5.468	5.463	5.466	5.425	5.441	5.529	5.524	5.538	5.460	5.455
2.551	2.561	2.491	2.638	2.532	2.537	2.534	2.575	2.559	2.471	2.476	2.462	2.540	2.545
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.682	2.689	2.700	2.772	2.824	2.635	2.654	2.609	2.622	2.608	2.703	2.630	2.730	2.726
0.000	0.006	0.000	0.004	0.005	0.006	0.000	0.003	0.003	0.009	0.000	0.002	0.002	0.010
6.124	6.078	6.047	6.114	5.928	6.038	6.022	6.087	6.119	6.008	6.145	6.067	6.209	6.098
0.070	0.081	0.077	0.063	0.061	0.072	0.073	0.058	0.068	0.066	0.048	0.066	0.045	0.052
3.046	3.058	3.039	2.961	3.012	3.178	3.184	3.203	3.140	3.215	2.969	3.131	2.894	2.981
0.004	0.002	0.007	0.005	0.005	0.008	0.001	0.004	0.003	0.007	0.006	0.005	0.008	0.016
11.925	11.914	11.870	11.918	11.835	11.936	11.933	11.963	11.954	11.914	11.870	11.902	11.888	11.882
0.000	0.018	0.009	0.004	0.010	0.009	0.002	0.004	0.005	0.003	0.012	0.007	0.006	0.005
0.000	0.016	0.014	0.000	0.012	0.000	0.000	0.021	0.000	0.000	0.000	0.008	0.000	0.002
0.006	0.000	0.007	0.006	0.000	0.000	0.005	0.003	0.007	0.004	0.005	0.000	0.005	0.003
19.931	19.947	19.900	19.928	19.858	19.945	19.940	19.991	19.967	19.921	19.887	19.917	19.899	19.893
5.233	5.250	5.190	5.410	5.356	5.172	5.188	5.184	5.181	5.079	5.179	5.092	5.270	5.271
2.689	2.700	2.714	2.786	2.839	2.657	2.656	2.619	2.631	2.632	2.715	2.642	2.747	2.767
0.668	0.665	0.666	0.674	0.663	0.655	0.654	0.655	0.661	0.651	0.674	0.660	0.682	0.672
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

X130	X106	X107	X108	X109	X110	X131	X132	X133	X134	X135			
24.90	24.90	24.75	24.93	25.33	24.92	24.92	25.03	25.18	24.55	24.75			
0.05	0.07	0.09	0.07	0.04	0.06	0.14	0.16	0.07	0.10	0.10			
20.23	19.56	19.96	19.59	19.61	19.63	19.75	20.01	19.77	19.95	20.10			
0.01	0.06	0.05	0.03	0.00	0.01	0.02	0.04	0.02	0.07	0.00			
33.70	33.53	33.52	33.22	33.53	33.70	33.49	33.20	33.71	33.75	34.20			
0.25	0.36	0.31	0.25	0.42	0.26	0.37	0.28	0.37	0.23	0.40			
8.96	9.62	9.18	9.31	9.68	9.33	9.38	9.48	9.55	8.90	9.18			
0.02	0.00	0.01	0.02	0.00	0.01	0.00	0.01	0.00	0.02	0.00			
0.00	0.06	0.00	0.02	0.05	0.00	0.00	0.02	0.01	0.00	0.01			
0.01	0.01	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.03	0.01			
88.13	88.17	87.87	87.44	88.66	87.93	88.09	88.23	88.68	87.60	88.75			
5.470	5.476	5.459	5.515	5.530	5.494	5.480	5.480	5.500	5.442	5.421			
2.530	2.524	2.541	2.485	2.470	2.506	2.520	2.520	2.500	2.558	2.579			
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000			
2.709	2.547	2.647	2.624	2.576	2.596	2.599	2.644	2.589	2.654	2.611			
0.002	0.010	0.008	0.006	0.000	0.002	0.004	0.006	0.003	0.012	0.000			
6.193	6.166	6.182	6.148	6.122	6.214	6.160	6.080	6.158	6.256	6.265			
0.046	0.067	0.058	0.048	0.077	0.049	0.069	0.051	0.069	0.043	0.074			
2.936	3.154	3.018	3.070	3.150	3.067	3.076	3.094	3.110	2.941	2.998			
0.009	0.012	0.014	0.011	0.006	0.011	0.023	0.027	0.012	0.016	0.016			
11.895	11.957	11.927	11.907	11.930	11.938	11.932	11.902	11.940	11.921	11.964			
0.003	0.004	0.000	0.000	0.001	0.004	0.005	0.000	0.000	0.009	0.003			
0.000	0.026	0.000	0.008	0.021	0.000	0.000	0.010	0.003	0.000	0.006			
0.004	0.000	0.001	0.006	0.000	0.003	0.000	0.001	0.000	0.004	0.000			
19.902	19.987	19.929	19.920	19.952	19.946	19.938	19.914	19.943	19.934	19.973			
5.239	5.071	5.187	5.109	5.045	5.102	5.119	5.164	5.089	5.212	5.190			
2.729	2.581	2.683	2.652	2.587	2.618	2.650	2.703	2.616	2.698	2.643			
0.678	0.662	0.672	0.667	0.660	0.670	0.667	0.663	0.664	0.680	0.676			
Chl	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt			
Ms													

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Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chlorites in LP felsic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample LV007. Levico (Eastern Alps, Italy).													
Analysis	Y91	Y92	Y93	Y94	Y95	Y96	Y97	Y98	Y99	Y100	Y101	Y102	Y103
SiO2	26.10	26.34	26.09	26.50	25.99	26.09	26.09	26.03	26.04	26.27	26.26	26.64	26.15
TiO2	0.06	0.11	0.06	0.06	0.04	0.07	0.06	0.04	0.11	0.08	0.09	0.08	0.04
Al2O3	20.33	20.24	20.44	20.67	20.54	20.38	20.07	20.27	20.37	20.41	20.55	20.46	20.20
Cr2O3	0.00	0.00	0.05	0.03	0.02	0.00	0.00	0.03	0.04	0.00	0.00	0.00	0.00
FeO	27.10	27.30	28.37	27.32	27.92	27.27	27.98	27.45	27.65	28.23	27.65	26.49	27.41
MnO	0.46	0.33	0.31	0.29	0.25	0.42	0.45	0.46	0.32	0.40	0.31	0.34	0.33
MgO	13.11	13.39	12.33	13.18	12.65	13.22	12.78	13.21	12.65	12.65	13.03	13.12	12.95
CaO	0.03	0.03	0.06	0.03	0.06	0.00	0.00	0.03	0.00	0.04	0.01	0.02	0.00
Na2O	0.00	0.00	0.03	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.02	0.00	0.03
K2O	0.03	0.02	0.00	0.01	0.00	0.01	0.04	0.04	0.03	0.02	0.00	0.00	0.02
Total	87.22	87.76	87.74	88.08	87.47	87.46	87.48	87.57	87.20	88.10	87.91	87.15	87.12
Si+4	5.585	5.597	5.579	5.603	5.562	5.568	5.592	5.560	5.584	5.588	5.578	5.668	5.605
AlIV	2.415	2.403	2.421	2.397	2.438	2.432	2.408	2.440	2.416	2.412	2.422	2.332	2.395
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.710	2.667	2.731	2.753	2.741	2.694	2.662	2.662	2.733	2.706	2.722	2.799	2.708
Cr+3	0.000	0.000	0.008	0.004	0.003	0.001	0.001	0.005	0.006	0.000	0.000	0.000	0.000
Fe+2	4.849	4.853	5.074	4.829	4.996	4.867	5.015	4.903	4.959	5.022	4.912	4.714	4.914
Mn+2	0.082	0.060	0.056	0.052	0.046	0.076	0.081	0.083	0.059	0.072	0.056	0.061	0.060
Mg+2	4.182	4.244	3.932	4.155	4.034	4.205	4.085	4.205	4.043	4.014	4.126	4.163	4.138
Ti+4	0.010	0.018	0.009	0.010	0.007	0.011	0.009	0.006	0.017	0.013	0.014	0.013	0.007
totVI	11.833	11.841	11.811	11.803	11.827	11.854	11.854	11.864	11.818	11.828	11.830	11.749	11.827
K+1	0.007	0.004	0.000	0.002	0.000	0.004	0.011	0.011	0.007	0.006	0.001	0.000	0.005
Na+1	0.000	0.000	0.013	0.000	0.001	0.003	0.009	0.006	0.000	0.000	0.007	0.000	0.013
Ca+2	0.006	0.007	0.014	0.006	0.013	0.001	0.000	0.008	0.000	0.010	0.002	0.004	0.000
Cations	19.847	19.852	19.838	19.811	19.841	19.861	19.873	19.889	19.825	19.843	19.840	19.754	19.845
Altot	5.125	5.070	5.152	5.150	5.179	5.126	5.070	5.102	5.149	5.118	5.144	5.131	5.103
AlVI+2Ti+(	2.730	2.703	2.757	2.777	2.758	2.717	2.681	2.679	2.773	2.732	2.750	2.825	2.722
Fe/Fe+Mg	0.537	0.533	0.563	0.538	0.553	0.536	0.551	0.538	0.551	0.556	0.543	0.531	0.543
Micro-site	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Y104	Y105	Y106	Y107	Y108	Y109	Y110	Y111	Y112	Y113	Y114	Y115	Y116	Y117
26.13	26.67	26.04	26.04	26.00	26.28	26.17	26.10	26.13	26.07	26.37	26.09	26.11	25.71
0.07	0.08	0.10	0.09	0.06	0.07	0.04	0.10	0.07	0.12	0.11	0.08	0.06	0.04
20.46	20.74	20.36	20.31	20.31	20.25	20.33	20.67	20.22	20.37	20.55	20.55	20.30	20.15
0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.07	0.06	0.00	0.00	0.00
27.18	26.98	27.44	26.85	27.78	27.45	27.72	27.21	26.68	27.08	27.24	27.15	26.72	26.94
0.33	0.38	0.33	0.38	0.36	0.31	0.34	0.38	0.30	0.33	0.29	0.31	0.30	0.32
12.97	13.31	13.23	13.07	12.96	13.04	13.16	13.41	13.32	13.30	13.56	13.32	13.37	12.95
0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
0.04	0.11	0.00	0.02	0.03	0.00	0.03	0.01	0.00	0.03	0.00	0.03	0.01	0.03
87.19	88.29	87.50	86.75	87.51	87.41	87.81	87.94	86.71	87.39	88.16	87.52	86.87	86.13
5.588	5.617	5.559	5.593	5.562	5.611	5.574	5.535	5.605	5.564	5.571	5.557	5.593	5.571
2.412	2.383	2.441	2.407	2.438	2.389	2.426	2.465	2.395	2.436	2.429	2.443	2.407	2.429
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.745	2.764	2.681	2.732	2.683	2.707	2.677	2.702	2.716	2.687	2.689	2.715	2.716	2.716
0.002	0.000	0.000	0.000	0.001	0.001	0.003	0.002	0.000	0.011	0.010	0.000	0.000	0.000
4.861	4.752	4.898	4.821	4.970	4.901	4.937	4.825	4.786	4.832	4.813	4.835	4.785	4.883
0.059	0.067	0.059	0.069	0.065	0.057	0.061	0.069	0.054	0.060	0.051	0.056	0.055	0.059
4.137	4.181	4.209	4.184	4.132	4.150	4.178	4.238	4.261	4.230	4.270	4.230	4.269	4.182
0.011	0.013	0.016	0.015	0.010	0.011	0.006	0.016	0.011	0.019	0.017	0.012	0.009	0.007
11.815	11.776	11.863	11.821	11.861	11.826	11.863	11.852	11.828	11.839	11.849	11.848	11.833	11.846
0.011	0.030	0.000	0.005	0.008	0.001	0.008	0.002	0.000	0.007	0.000	0.008	0.003	0.007
0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.000
0.000	0.006	0.001	0.000	0.001	0.003	0.001	0.011	0.000	0.000	0.000	0.000	0.002	0.000
19.826	19.812	19.864	19.826	19.872	19.830	19.871	19.865	19.828	19.862	19.849	19.856	19.838	19.854
5.157	5.147	5.122	5.139	5.121	5.096	5.104	5.167	5.111	5.123	5.118	5.158	5.123	5.145
2.769	2.790	2.713	2.762	2.704	2.730	2.692	2.736	2.738	2.736	2.733	2.739	2.734	2.730
0.540	0.532	0.538	0.535	0.546	0.541	0.542	0.532	0.529	0.533	0.530	0.533	0.528	0.539
Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Y118	Y119	Y120	Y121	Y122	Y123	Y124	Y125	Y126	Y127	Y128	Y129	Y130	Y131
26.10	26.01	26.57	25.69	25.99	26.18	25.88	26.11	26.06	25.93	25.76	25.95	25.56	25.75
0.05	0.06	0.06	0.06	0.07	0.08	0.11	0.09	0.14	0.10	0.09	0.08	0.11	0.05
20.21	20.72	20.12	20.17	20.08	20.38	19.93	20.09	20.00	19.92	19.94	20.23	20.02	20.57
0.04	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.05	0.00
27.83	27.93	27.05	27.15	27.12	27.79	27.97	27.21	27.31	28.28	27.80	27.76	27.53	27.32
0.34	0.29	0.33	0.40	0.34	0.34	0.34	0.29	0.34	0.36	0.38	0.39	0.39	0.39
13.06	13.06	12.74	12.76	13.30	13.23	12.63	13.11	13.26	12.75	13.22	13.06	12.73	12.92
0.03	0.01	0.02	0.00	0.03	0.03	0.01	0.02	0.00	0.00	0.00	0.03	0.00	0.05
0.00	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.01	0.00
0.00	0.02	0.08	0.00	0.02	0.00	0.01	0.01	0.02	0.01	0.00	0.04	0.03	0.01
87.66	88.15	86.98	86.29	86.95	88.04	86.90	86.93	87.16	87.36	87.20	87.53	86.41	87.05
5.574	5.522	5.689	5.566	5.580	5.562	5.587	5.604	5.585	5.576	5.539	5.553	5.545	5.527
2.426	2.478	2.311	2.434	2.420	2.438	2.413	2.396	2.415	2.424	2.461	2.447	2.455	2.473
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.660	2.706	2.766	2.715	2.661	2.665	2.658	2.686	2.638	2.625	2.594	2.654	2.662	2.731
0.007	0.008	0.003	0.000	0.000	0.000	0.000	0.000	0.004	0.001	0.000	0.000	0.009	0.000
4.970	4.958	4.842	4.918	4.869	4.938	5.049	4.885	4.896	5.085	5.000	4.967	4.994	4.906
0.061	0.053	0.060	0.073	0.062	0.062	0.062	0.052	0.062	0.065	0.070	0.071	0.071	0.071
4.158	4.134	4.065	4.122	4.256	4.190	4.066	4.196	4.237	4.088	4.239	4.166	4.116	4.134
0.008	0.010	0.010	0.009	0.011	0.013	0.018	0.015	0.022	0.016	0.015	0.013	0.017	0.008
11.865	11.868	11.746	11.837	11.859	11.867	11.853	11.834	11.859	11.881	11.918	11.872	11.869	11.850
0.000	0.006	0.021	0.000	0.006	0.000	0.003	0.001	0.004	0.001	0.000	0.012	0.008	0.004
0.000	0.000	0.000	0.026	0.000	0.000	0.005	0.002	0.007	0.000	0.001	0.000	0.004	0.000
0.006	0.001	0.004	0.000	0.007	0.006	0.003	0.005	0.000	0.000	0.000	0.006	0.000	0.011
19.871	19.875	19.771	19.864	19.872	19.874	19.863	19.842	19.870	19.883	19.919	19.889	19.881	19.865
5.086	5.184	5.076	5.149	5.081	5.103	5.070	5.082	5.053	5.049	5.055	5.102	5.118	5.204
2.683	2.734	2.789	2.733	2.683	2.691	2.694	2.716	2.686	2.658	2.624	2.680	2.705	2.747
0.544	0.545	0.544	0.544	0.534	0.541	0.554	0.538	0.536	0.554	0.541	0.544	0.548	0.543
Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl	Chl	Chl	Chl	Chl	Chl
								Ab	Ab	Ab	Ab	Ab	Ab
								Qtz	Qtz	Qtz	Qtz	Qtz	Qtz

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Y132	Y133	Y134	Y135	Y136	Y137	Y138							
25.91	26.21	25.72	25.93	25.83	25.78	25.72							
0.11	0.10	0.06	0.06	0.08	0.06	0.08							
19.80	20.07	19.81	19.99	20.03	19.74	20.13							
0.00	0.03	0.00	0.00	0.00	0.01	0.00							
27.50	26.61	27.24	28.03	26.97	26.66	26.21							
0.27	0.36	0.41	0.46	0.31	0.31	0.36							
12.84	13.17	12.94	12.74	13.37	13.31	13.28							
0.04	0.02	0.01	0.00	0.02	0.01	0.02							
0.04	0.01	0.00	0.00	0.00	0.00	0.00							
0.00	0.02	0.02	0.03	0.00	0.01	0.01							
86.50	86.58	86.21	87.24	86.60	85.88	85.82							
5.605	5.631	5.583	5.579	5.565	5.596	5.574							
2.395	2.369	2.417	2.421	2.435	2.404	2.426							
8.000	8.000	8.000	8.000	8.000	8.000	8.000							
2.653	2.714	2.651	2.648	2.652	2.647	2.715							
0.000	0.004	0.000	0.001	0.000	0.002	0.000							
4.976	4.783	4.946	5.043	4.859	4.841	4.750							
0.049	0.066	0.076	0.083	0.057	0.057	0.066							
4.141	4.220	4.186	4.087	4.294	4.308	4.290							
0.018	0.015	0.010	0.010	0.012	0.010	0.013							
11.837	11.802	11.868	11.871	11.874	11.865	11.835							
0.000	0.007	0.005	0.009	0.000	0.002	0.003							
0.016	0.003	0.000	0.000	0.000	0.000	0.001							
0.009	0.004	0.003	0.001	0.005	0.002	0.005							
19.861	19.815	19.876	19.881	19.879	19.869	19.844							
5.048	5.082	5.068	5.069	5.087	5.051	5.141							
2.689	2.748	2.671	2.669	2.676	2.669	2.741							
0.546	0.531	0.542	0.552	0.531	0.529	0.525							
Chl	Chl	Chl	Chl	Chl	Chl	Chl							
Ab	Ab	Ab	Ab	Ab	Ab	Ab							
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz							

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chlorites in LP felsic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample LV020. Levico (Eastern Alps, Italy).													
Analysis	Y51	Y52	Y53	Y54	Y55	Y56	Y57	Y58	Y59	Y60	Y61	Y62	Y63
SiO2	24.93	24.96	24.77	24.72	24.68	24.55	24.89	24.72	25.01	25.13	24.94	24.75	24.68
TiO2	0.03	0.06	0.03	0.04	0.01	0.07	0.04	0.06	0.05	0.04	0.06	0.04	0.07
Al2O3	21.61	21.64	21.50	21.43	21.61	21.44	21.62	21.34	21.45	21.74	21.96	21.47	21.88
Cr2O3	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FeO	28.12	27.73	28.17	27.67	28.16	27.73	27.75	28.32	28.16	28.40	28.25	27.95	28.02
MnO	0.21	0.28	0.25	0.23	0.23	0.24	0.25	0.23	0.24	0.27	0.21	0.23	0.19
MgO	12.39	12.60	12.37	12.52	12.33	12.34	12.46	12.31	12.40	12.58	12.61	12.28	12.51
CaO	0.01	0.04	0.03	0.00	0.00	0.01	0.00	0.01	0.04	0.00	0.02	0.01	0.02
Na2O	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
K2O	0.00	0.02	0.01	0.04	0.00	0.02	0.04	0.04	0.00	0.04	0.04	0.02	0.00
Total	87.31	87.33	87.12	86.66	87.05	86.40	87.05	87.04	87.37	88.20	88.09	86.75	87.37
Si+4	5.357	5.354	5.341	5.349	5.326	5.331	5.358	5.344	5.374	5.351	5.313	5.355	5.299
AlIV	2.643	2.646	2.659	2.651	2.674	2.669	2.642	2.656	2.626	2.649	2.687	2.645	2.701
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.830	2.825	2.807	2.813	2.821	2.820	2.842	2.781	2.805	2.806	2.826	2.830	2.835
Cr+3	0.003	0.000	0.000	0.000	0.006	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.001
Fe+2	5.054	4.974	5.081	5.007	5.082	5.037	4.996	5.120	5.059	5.057	5.033	5.058	5.030
Mn+2	0.039	0.051	0.046	0.043	0.042	0.043	0.045	0.043	0.043	0.049	0.038	0.042	0.035
Mg+2	3.968	4.030	3.976	4.037	3.968	3.994	4.000	3.967	3.971	3.992	4.005	3.960	4.003
Ti+4	0.005	0.009	0.004	0.007	0.002	0.011	0.006	0.010	0.008	0.006	0.010	0.007	0.012
totVI	11.898	11.889	11.913	11.906	11.921	11.906	11.888	11.919	11.887	11.910	11.912	11.897	11.915
K+1	0.001	0.005	0.002	0.012	0.000	0.006	0.011	0.012	0.000	0.010	0.009	0.005	0.000
Na+1	0.000	0.000	0.003	0.000	0.000	0.001	0.000	0.000	0.010	0.000	0.000	0.000	0.000
Ca+2	0.001	0.010	0.006	0.000	0.000	0.003	0.000	0.003	0.010	0.000	0.004	0.001	0.005
Cations	19.901	19.904	19.924	19.918	19.921	19.916	19.899	19.934	19.907	19.921	19.925	19.903	19.920
Altot	5.473	5.471	5.466	5.464	5.495	5.488	5.484	5.437	5.431	5.455	5.513	5.475	5.536
AlVI+2Ti+(	2.843	2.843	2.815	2.827	2.831	2.843	2.854	2.801	2.821	2.819	2.846	2.844	2.860
Fe/Fe+Mg	0.560	0.552	0.561	0.554	0.562	0.558	0.555	0.563	0.560	0.559	0.557	0.561	0.557
Micro-site	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Y64	Y65	Y66	Y67	Y68	Y69	Y70	Y73	Y74	Y75	Y76	Y77	Y78	Y79
24.34	24.86	24.48	25.05	24.81	24.46	24.66	24.76	24.60	24.55	24.50	24.56	24.51	24.96
0.07	0.06	0.05	0.04	0.02	0.02	0.10	0.03	0.00	0.04	0.07	0.03	0.02	0.05
21.60	21.53	21.63	21.82	21.54	21.42	21.32	21.32	21.31	21.32	21.32	21.37	21.18	21.24
0.00	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.06
28.12	27.96	28.14	28.33	27.70	28.55	27.90	27.44	28.45	28.15	27.63	28.19	29.00	28.73
0.26	0.26	0.23	0.23	0.19	0.25	0.20	0.25	0.21	0.23	0.26	0.28	0.25	0.30
12.48	12.21	12.38	12.34	12.26	12.44	12.70	12.71	12.37	12.46	12.83	12.38	12.23	12.67
0.00	0.01	0.01	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00
0.00	0.00	0.04	0.00	0.01	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.02	0.03
0.03	0.02	0.01	0.06	0.02	0.00	0.01	0.00	0.01	0.00	0.03	0.00	0.02	0.00
86.89	86.91	86.98	87.87	86.64	87.17	86.92	86.53	86.99	86.76	86.64	86.81	87.23	88.03
5.270	5.367	5.291	5.352	5.366	5.289	5.326	5.358	5.326	5.322	5.306	5.323	5.311	5.344
2.730	2.633	2.709	2.648	2.634	2.711	2.674	2.642	2.674	2.678	2.694	2.677	2.689	2.656
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.783	2.845	2.802	2.846	2.857	2.749	2.754	2.795	2.764	2.770	2.749	2.781	2.719	2.701
0.000	0.000	0.002	0.000	0.010	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.011
5.092	5.048	5.087	5.062	5.011	5.163	5.038	4.966	5.151	5.103	5.005	5.108	5.254	5.143
0.047	0.048	0.043	0.042	0.035	0.046	0.036	0.045	0.039	0.043	0.047	0.052	0.046	0.054
4.027	3.930	3.989	3.930	3.953	4.010	4.090	4.102	3.992	4.027	4.144	3.998	3.950	4.044
0.011	0.010	0.009	0.006	0.003	0.003	0.015	0.005	0.000	0.006	0.012	0.004	0.003	0.007
11.959	11.880	11.931	11.886	11.869	11.972	11.934	11.913	11.949	11.948	11.957	11.944	11.972	11.960
0.007	0.005	0.003	0.017	0.007	0.000	0.001	0.001	0.003	0.000	0.008	0.000	0.004	0.000
0.000	0.000	0.019	0.000	0.005	0.011	0.014	0.011	0.002	0.000	0.000	0.000	0.010	0.011
0.000	0.002	0.002	0.000	0.006	0.000	0.002	0.000	0.002	0.000	0.000	0.000	0.003	0.000
19.967	19.887	19.954	19.904	19.886	19.983	19.952	19.925	19.956	19.948	19.965	19.944	19.989	19.970
5.512	5.478	5.511	5.494	5.492	5.460	5.428	5.437	5.438	5.448	5.442	5.458	5.408	5.358
2.805	2.865	2.822	2.858	2.873	2.755	2.784	2.805	2.767	2.782	2.773	2.789	2.725	2.726
0.558	0.562	0.560	0.563	0.559	0.563	0.552	0.548	0.563	0.559	0.547	0.561	0.571	0.560
Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.	Chl stat.
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Y80	Y81	Y82	Y83	Y84	Y85	Y86	Y87	Y88	Y89	Y90			
24.39	24.83	24.56	24.86	25.46	25.39	25.35	25.60	25.77	25.21	24.96			
0.06	0.01	0.05	0.07	0.04	0.02	0.01	0.03	0.00	0.05	0.02			
21.23	20.77	21.38	20.62	20.77	20.80	20.78	20.57	21.13	21.20	20.89			
0.00	0.04	0.02	0.00	0.00	0.00	0.01	0.00	0.04	0.00	0.03			
27.82	28.08	28.17	27.46	27.50	28.01	27.80	27.56	28.47	27.93	27.78			
0.20	0.25	0.23	0.17	0.25	0.22	0.23	0.22	0.18	0.18	0.19			
12.66	12.95	12.62	13.03	12.79	12.92	12.79	13.17	12.66	12.49	12.67			
0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.01	0.03			
0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.05	0.00	0.03			
0.10	0.04	0.08	0.05	0.02	0.09	0.01	0.03	0.07	0.05	0.02			
86.45	86.97	87.10	86.25	86.86	87.47	86.97	87.17	88.37	87.12	86.62			
5.303	5.370	5.305	5.402	5.482	5.446	5.461	5.493	5.472	5.424	5.406			
2.697	2.630	2.695	2.598	2.518	2.554	2.539	2.507	2.528	2.576	2.594			
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000			
2.743	2.664	2.748	2.684	2.754	2.706	2.738	2.695	2.760	2.800	2.739			
0.000	0.006	0.004	0.000	0.000	0.000	0.001	0.000	0.006	0.000	0.006			
5.059	5.080	5.088	4.990	4.952	5.024	5.008	4.946	5.055	5.026	5.032			
0.037	0.045	0.042	0.031	0.046	0.039	0.042	0.040	0.032	0.033	0.035			
4.106	4.174	4.063	4.221	4.106	4.131	4.107	4.212	4.007	4.006	4.090			
0.009	0.002	0.008	0.011	0.007	0.003	0.001	0.005	0.000	0.007	0.004			
11.954	11.971	11.952	11.938	11.865	11.903	11.897	11.898	11.860	11.872	11.906			
0.027	0.011	0.023	0.013	0.006	0.024	0.003	0.007	0.020	0.014	0.005			
0.000	0.002	0.000	0.000	0.000	0.013	0.000	0.000	0.021	0.000	0.011			
0.000	0.000	0.000	0.001	0.007	0.000	0.001	0.000	0.000	0.002	0.007			
19.981	19.984	19.975	19.952	19.878	19.940	19.901	19.905	19.901	19.888	19.929			
5.440	5.293	5.444	5.282	5.272	5.259	5.277	5.201	5.288	5.376	5.333			
2.761	2.674	2.768	2.706	2.768	2.712	2.741	2.705	2.766	2.814	2.753			
0.552	0.549	0.556	0.542	0.547	0.549	0.549	0.540	0.558	0.556	0.552			
Chl stat.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.	Chl sinc.			
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms			
Qtz													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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Chlorites in LP felsic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													
Sample LV057. Levico (Eastern Alps, Italy).													
Analysis	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13
SiO2	26.04	25.36	25.91	25.88	25.76	25.48	25.49	25.28	25.65	25.43	25.47	25.45	25.47
TiO2	0.21	0.12	0.13	0.14	0.15	0.15	0.18	0.21	0.20	0.13	0.10	0.07	0.09
Al2O3	19.90	20.44	19.77	19.71	20.09	20.45	19.92	20.13	19.90	19.88	19.89	20.05	19.91
Cr2O3	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.00	0.04	0.01	0.04	0.00	0.06
FeO	28.13	29.11	28.75	28.53	28.84	29.51	29.71	29.96	29.23	30.14	28.91	28.37	29.40
MnO	0.34	0.21	0.30	0.24	0.27	0.20	0.22	0.20	0.26	0.18	0.16	0.17	0.16
MgO	13.13	12.08	12.82	13.25	12.75	12.14	12.10	11.63	12.32	11.89	12.47	12.52	12.06
CaO	0.02	0.00	0.01	0.01	0.04	0.02	0.01	0.02	0.02	0.02	0.02	0.03	0.02
Na2O	0.05	0.00	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
K2O	0.01	0.00	0.04	0.00	0.04	0.00	0.02	0.00	0.00	0.02	0.03	0.04	0.05
Total	87.81	87.33	87.79	87.78	87.96	87.93	87.66	87.44	87.61	87.69	87.09	86.70	87.22
Si+4	5.565	5.480	5.559	5.546	5.519	5.477	5.508	5.485	5.529	5.506	5.518	5.522	5.524
AlIV	2.435	2.520	2.441	2.454	2.481	2.523	2.492	2.515	2.471	2.494	2.482	2.478	2.476
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.576	2.686	2.560	2.524	2.590	2.656	2.582	2.634	2.586	2.579	2.597	2.650	2.613
Cr+3	0.000	0.000	0.007	0.000	0.000	0.000	0.002	0.000	0.006	0.002	0.007	0.000	0.010
Fe+2	5.028	5.261	5.159	5.113	5.166	5.303	5.369	5.437	5.270	5.458	5.238	5.148	5.333
Mn+2	0.061	0.039	0.054	0.043	0.049	0.037	0.039	0.037	0.048	0.033	0.030	0.032	0.029
Mg+2	4.182	3.892	4.101	4.233	4.073	3.888	3.897	3.761	3.961	3.837	4.027	4.051	3.900
Ti+4	0.034	0.020	0.022	0.022	0.025	0.023	0.030	0.034	0.033	0.021	0.016	0.011	0.014
totVI	11.881	11.898	11.903	11.935	11.903	11.907	11.919	11.902	11.903	11.930	11.915	11.890	11.901
K+1	0.001	0.000	0.010	0.001	0.010	0.000	0.006	0.000	0.000	0.004	0.007	0.010	0.013
Na+1	0.021	0.000	0.010	0.008	0.009	0.000	0.000	0.001	0.000	0.000	0.000	0.003	0.000
Ca+2	0.004	0.000	0.002	0.003	0.009	0.004	0.002	0.004	0.004	0.004	0.005	0.007	0.005
Cations	19.907	19.898	19.925	19.947	19.930	19.911	19.927	19.907	19.907	19.938	19.927	19.910	19.918
Altot	5.011	5.207	5.001	4.978	5.072	5.179	5.074	5.148	5.057	5.073	5.079	5.127	5.089
AlVI+2Ti+(	2.644	2.726	2.611	2.568	2.640	2.702	2.644	2.702	2.658	2.623	2.636	2.672	2.651
Fe/Fe+Mg	0.546	0.575	0.557	0.547	0.559	0.577	0.579	0.591	0.571	0.587	0.565	0.560	0.578
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Chlorites in LP felsic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													

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Y14	Y15	Y16	Y17	Y18	Y19	Y20	Y21	Y22	Y23	Y24	Y25	Y26	Y27
25.79	25.90	25.40	25.57	25.61	25.33	25.92	25.80	25.93	26.10	25.99	25.95	25.96	26.06
0.09	0.12	0.10	0.12	0.07	0.08	0.11	0.13	0.15	0.17	0.14	0.14	0.10	0.10
20.04	20.09	19.99	19.90	19.56	20.09	20.25	19.76	19.68	19.80	19.88	19.58	19.65	19.92
0.03	0.02	0.03	0.09	0.05	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.77	28.90	29.25	29.88	30.02	29.34	28.34	29.14	29.25	29.26	29.07	29.40	28.99	29.74
0.09	0.12	0.13	0.17	0.15	0.09	0.08	0.16	0.18	0.12	0.13	0.13	0.09	0.14
12.61	12.40	12.28	11.80	12.11	12.03	12.55	12.15	12.07	12.45	12.41	12.16	12.02	12.03
0.02	0.01	0.00	0.03	0.04	0.03	0.00	0.00	0.00	0.02	0.02	0.00	0.02	0.00
0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.04	0.00	0.00
0.08	0.02	0.04	0.07	0.05	0.08	0.05	0.00	0.02	0.02	0.03	0.01	0.04	0.01
87.50	87.58	87.22	87.62	87.64	87.10	87.33	87.15	87.29	87.94	87.68	87.42	86.88	87.99
5.548	5.566	5.504	5.533	5.545	5.499	5.567	5.584	5.607	5.595	5.584	5.606	5.630	5.595
2.452	2.434	2.496	2.467	2.455	2.501	2.433	2.416	2.393	2.405	2.416	2.394	2.370	2.405
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.629	2.655	2.608	2.607	2.536	2.639	2.694	2.625	2.621	2.597	2.619	2.592	2.653	2.637
0.005	0.002	0.005	0.016	0.009	0.006	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.001
5.175	5.194	5.300	5.408	5.436	5.328	5.092	5.275	5.290	5.246	5.224	5.313	5.259	5.340
0.016	0.023	0.023	0.031	0.027	0.017	0.014	0.029	0.032	0.022	0.024	0.024	0.017	0.025
4.043	3.971	3.966	3.807	3.908	3.894	4.020	3.921	3.890	3.977	3.977	3.917	3.886	3.849
0.014	0.020	0.016	0.019	0.011	0.013	0.018	0.021	0.025	0.027	0.023	0.022	0.017	0.016
11.881	11.864	11.917	11.888	11.927	11.896	11.843	11.871	11.857	11.869	11.867	11.868	11.831	11.867
0.020	0.005	0.012	0.019	0.013	0.021	0.013	0.001	0.006	0.007	0.008	0.004	0.012	0.001
0.000	0.000	0.005	0.000	0.000	0.002	0.000	0.003	0.000	0.000	0.000	0.018	0.000	0.000
0.005	0.002	0.000	0.006	0.009	0.007	0.000	0.000	0.001	0.004	0.005	0.000	0.004	0.000
19.906	19.871	19.934	19.913	19.950	19.927	19.856	19.876	19.865	19.880	19.880	19.890	19.847	19.868
5.081	5.089	5.104	5.075	4.991	5.140	5.127	5.041	5.015	5.002	5.034	4.985	5.023	5.041
2.662	2.697	2.645	2.661	2.567	2.671	2.735	2.667	2.671	2.651	2.665	2.636	2.687	2.670
0.561	0.567	0.572	0.587	0.582	0.578	0.559	0.574	0.576	0.569	0.568	0.576	0.575	0.581
Chl Ms	Chl Ms	Chl Ms	Chl Ms	Chl Ms	Chl Ms	Chl Ms	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt

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Y28	Y29	Y30	Y31	Y32	Y33	Y34	Y35	Y36	Y37	Y38	Y39	Y40	Y41
26.19	26.13	26.11	26.14	26.24	26.48	26.52	26.18	26.16	26.46	26.18	26.27	26.25	25.89
0.11	0.13	0.12	0.11	0.08	0.09	0.09	0.09	0.08	0.13	0.10	0.07	0.06	0.11
19.74	19.87	19.75	19.82	19.51	19.60	19.57	19.62	19.65	19.62	19.73	19.42	19.77	19.14
0.03	0.02	0.00	0.02	0.06	0.09	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00
28.97	28.96	29.25	28.49	29.11	29.10	28.88	29.01	29.27	28.38	28.48	29.26	28.71	28.48
0.18	0.14	0.24	0.19	0.17	0.21	0.16	0.17	0.19	0.13	0.18	0.21	0.21	0.06
12.41	12.24	12.04	12.83	12.78	12.67	12.89	12.28	12.54	13.14	12.73	12.21	12.85	12.30
0.02	0.04	0.02	0.00	0.00	0.01	0.03	0.01	0.01	0.01	0.02	0.02	0.00	0.00
0.00	0.00	0.00	0.00	0.02	0.03	0.00	0.01	0.01	0.00	0.04	0.00	0.00	0.00
0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.01	0.01	0.05	0.02	0.03	0.02	0.04
87.64	87.53	87.52	87.63	87.99	88.31	88.17	87.37	87.92	87.93	87.48	87.48	87.87	86.02
5.626	5.618	5.626	5.603	5.619	5.646	5.655	5.643	5.610	5.644	5.621	5.664	5.616	5.663
2.374	2.382	2.374	2.397	2.381	2.354	2.345	2.357	2.390	2.356	2.379	2.336	2.384	2.337
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.622	2.654	2.642	2.609	2.543	2.572	2.573	2.626	2.577	2.576	2.613	2.599	2.600	2.596
0.004	0.002	0.000	0.003	0.010	0.015	0.000	0.000	0.004	0.000	0.003	0.000	0.000	0.000
5.203	5.208	5.271	5.106	5.214	5.190	5.148	5.230	5.250	5.062	5.114	5.276	5.136	5.210
0.032	0.026	0.043	0.035	0.031	0.038	0.028	0.030	0.034	0.024	0.033	0.039	0.038	0.011
3.972	3.923	3.868	4.099	4.081	4.028	4.098	3.945	4.011	4.177	4.074	3.924	4.096	4.012
0.017	0.021	0.019	0.018	0.013	0.014	0.014	0.014	0.013	0.021	0.015	0.012	0.010	0.017
11.851	11.833	11.843	11.870	11.893	11.857	11.861	11.845	11.888	11.860	11.851	11.849	11.880	11.847
0.000	0.000	0.000	0.009	0.007	0.008	0.009	0.001	0.003	0.012	0.006	0.009	0.006	0.011
0.001	0.000	0.000	0.000	0.008	0.013	0.000	0.006	0.002	0.000	0.015	0.000	0.000	0.000
0.005	0.009	0.004	0.000	0.001	0.002	0.006	0.003	0.001	0.003	0.005	0.004	0.000	0.000
19.857	19.842	19.847	19.879	19.908	19.880	19.877	19.855	19.894	19.875	19.877	19.861	19.885	19.859
4.997	5.036	5.016	5.006	4.924	4.926	4.918	4.983	4.966	4.932	4.992	4.934	4.984	4.934
2.660	2.698	2.680	2.648	2.579	2.615	2.601	2.654	2.607	2.618	2.646	2.623	2.620	2.630
0.567	0.570	0.577	0.555	0.561	0.563	0.557	0.570	0.567	0.548	0.557	0.573	0.556	0.565
Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt

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Y41a	Y42	Y43	Y44	Y45	Y46	Y47	Y48	Y49	Y50				
25.80	25.85	25.98	25.78	26.53	26.00	25.77	25.95	26.01	26.23				
0.07	0.09	0.06	0.07	0.11	0.09	0.07	0.10	0.08	0.11				
19.77	19.39	19.55	19.28	19.55	19.79	19.52	19.36	19.62	19.45				
0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.03	0.02	0.01				
28.78	28.76	28.70	29.04	28.75	29.37	28.33	28.82	28.85	28.85				
0.14	0.09	0.06	0.19	0.08	0.15	0.11	0.17	0.10	0.16				
12.56	12.38	12.47	12.35	12.09	12.07	12.52	12.09	12.59	12.56				
0.04	0.00	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.00				
0.02	0.00	0.00	0.04	0.00	0.00	0.06	0.00	0.01	0.00				
0.02	0.01	0.01	0.05	0.04	0.00	0.00	0.03	0.00	0.02				
87.19	86.59	86.86	86.83	87.14	87.51	86.40	86.58	87.31	87.37				
5.573	5.623	5.627	5.608	5.716	5.607	5.607	5.649	5.607	5.649				
2.427	2.377	2.373	2.392	2.284	2.393	2.393	2.351	2.393	2.351				
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000				
2.605	2.595	2.616	2.552	2.680	2.636	2.613	2.616	2.594	2.586				
0.000	0.000	0.001	0.005	0.000	0.005	0.000	0.005	0.004	0.001				
5.199	5.232	5.197	5.282	5.180	5.296	5.155	5.246	5.202	5.197				
0.026	0.017	0.011	0.034	0.014	0.028	0.021	0.031	0.019	0.029				
4.043	4.015	4.025	4.003	3.884	3.879	4.060	3.924	4.047	4.032				
0.011	0.015	0.010	0.012	0.018	0.015	0.012	0.017	0.012	0.017				
11.883	11.874	11.859	11.888	11.776	11.859	11.861	11.839	11.878	11.862				
0.007	0.003	0.002	0.012	0.010	0.000	0.000	0.007	0.001	0.004				
0.008	0.000	0.000	0.018	0.000	0.000	0.025	0.000	0.006	0.000				
0.009	0.000	0.007	0.002	0.003	0.003	0.004	0.006	0.004	0.000				
19.908	19.877	19.869	19.921	19.789	19.861	19.890	19.852	19.888	19.867				
5.032	4.972	4.990	4.944	4.964	5.029	5.006	4.967	4.986	4.937				
2.627	2.625	2.637	2.581	2.716	2.671	2.637	2.655	2.622	2.621				
0.563	0.566	0.564	0.569	0.571	0.577	0.559	0.572	0.562	0.563				
Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt				

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Sample VD029. Sarentino (Eastern Alps, Italy).													
Analysis	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z127	Z128	Z129	Z130
SiO2	24.55	25.05	24.88	24.60	24.81	24.78	25.07	25.24	24.47	24.07	24.46	24.60	24.69
TiO2	0.07	0.07	0.03	0.06	0.07	0.06	0.09	0.08	0.05	0.06	0.06	0.06	0.08
Al2O3	22.28	21.63	21.61	21.77	21.60	22.04	22.03	21.25	22.32	22.32	22.29	22.34	21.80
Cr2O3	0.00	0.07	0.00	0.00	0.01	0.00	0.00	0.05	0.05	0.05	0.04	0.00	0.02
FeO	26.42	26.44	26.59	26.27	26.20	26.37	26.06	26.28	26.42	26.19	25.75	25.77	25.99
MnO	0.11	0.12	0.17	0.13	0.14	0.11	0.10	0.13	0.15	0.15	0.19	0.19	0.08
MgO	13.62	14.27	13.85	13.77	13.90	13.67	14.02	14.13	13.29	13.55	13.47	13.82	13.86
CaO	0.03	0.00	0.02	0.00	0.01	0.00	0.04	0.02	0.02	0.00	0.00	0.03	0.03
Na2O	0.00	0.01	0.00	0.02	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00
K2O	0.00	0.00	0.01	0.00	0.01	0.02	0.01	0.00	0.01	0.00	0.01	0.01	0.02
Total	87.09	87.66	87.17	86.62	86.76	87.04	87.44	87.19	86.77	86.39	86.25	86.84	86.58
Si+4	5.241	5.313	5.315	5.281	5.316	5.291	5.315	5.379	5.247	5.186	5.259	5.251	5.295
AlIV	2.759	2.687	2.685	2.719	2.684	2.709	2.685	2.621	2.753	2.814	2.741	2.749	2.705
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.849	2.718	2.755	2.791	2.770	2.837	2.819	2.715	2.887	2.852	2.907	2.873	2.804
Cr+3	0.000	0.012	0.001	0.000	0.001	0.000	0.000	0.009	0.008	0.008	0.007	0.001	0.003
Fe+2	4.718	4.689	4.750	4.718	4.694	4.709	4.621	4.683	4.737	4.718	4.630	4.601	4.661
Mn+2	0.020	0.022	0.030	0.023	0.025	0.019	0.019	0.023	0.028	0.028	0.034	0.035	0.015
Mg+2	4.337	4.513	4.411	4.409	4.437	4.350	4.432	4.488	4.248	4.351	4.316	4.399	4.431
Ti+4	0.012	0.011	0.005	0.010	0.011	0.010	0.015	0.013	0.008	0.009	0.009	0.009	0.013
totVI	11.936	11.965	11.953	11.950	11.938	11.924	11.906	11.931	11.915	11.966	11.903	11.918	11.927
K+1	0.000	0.000	0.002	0.000	0.003	0.005	0.002	0.000	0.002	0.001	0.001	0.002	0.005
Na+1	0.000	0.004	0.000	0.007	0.006	0.000	0.006	0.000	0.000	0.001	0.000	0.007	0.000
Ca+2	0.007	0.000	0.005	0.000	0.003	0.000	0.008	0.004	0.005	0.001	0.000	0.006	0.006
Cations	19.943	19.970	19.960	19.958	19.950	19.929	19.921	19.935	19.922	19.969	19.904	19.933	19.938
Altot	5.608	5.405	5.441	5.509	5.454	5.546	5.504	5.336	5.640	5.666	5.648	5.622	5.510
AlVI+2Ti+(	2.873	2.752	2.766	2.811	2.793	2.857	2.849	2.750	2.911	2.878	2.932	2.892	2.833
Fe/Fe+Mg	0.521	0.510	0.519	0.517	0.514	0.520	0.510	0.511	0.527	0.520	0.518	0.511	0.513
Micro-site	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt
	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt
Chlorites in LP felsic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Z131	Z132	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Z48	Z49	Z117	Z118
24.63	24.43	24.98	24.89	25.10	24.57	24.74	25.11	24.96	25.03	25.33	25.42	24.65	24.90
0.11	0.06	0.08	0.08	0.09	0.07	0.09	0.08	0.06	0.08	0.09	0.06	0.05	0.06
21.70	21.77	21.39	21.48	21.80	21.75	21.59	21.37	21.53	21.57	21.08	21.07	22.18	21.48
0.01	0.00	0.05	0.05	0.03	0.00	0.00	0.00	0.03	0.02	0.03	0.01	0.03	0.00
25.79	25.87	26.61	26.54	26.05	27.56	26.73	26.54	26.64	26.82	26.06	26.20	26.50	26.43
0.14	0.12	0.16	0.13	0.14	0.19	0.17	0.17	0.21	0.20	0.15	0.08	0.19	0.17
13.98	13.71	13.61	13.48	13.45	12.88	13.36	13.42	13.47	13.24	13.92	14.06	13.48	13.68
0.04	0.00	0.02	0.02	0.00	0.01	0.01	0.00	0.00	0.04	0.03	0.00	0.01	0.00
0.01	0.01	0.03	0.01	0.02	0.02	0.03	0.01	0.00	0.01	0.02	0.04	0.00	0.00
0.00	0.00	0.03	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.02	0.00
86.40	85.96	86.96	86.68	86.70	87.06	86.73	86.71	86.90	87.01	86.70	86.95	87.10	86.71
5.289	5.277	5.351	5.346	5.369	5.287	5.319	5.388	5.349	5.361	5.422	5.426	5.267	5.342
2.711	2.723	2.649	2.654	2.631	2.713	2.681	2.612	2.651	2.639	2.578	2.574	2.733	2.658
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.783	2.821	2.752	2.783	2.866	2.802	2.788	2.794	2.789	2.807	2.740	2.726	2.853	2.774
0.001	0.000	0.008	0.008	0.005	0.000	0.000	0.000	0.004	0.003	0.004	0.002	0.004	0.000
4.633	4.673	4.767	4.768	4.660	4.959	4.805	4.763	4.775	4.804	4.664	4.677	4.735	4.743
0.025	0.022	0.028	0.023	0.025	0.035	0.032	0.031	0.039	0.036	0.026	0.015	0.034	0.032
4.475	4.414	4.348	4.315	4.289	4.130	4.282	4.292	4.303	4.226	4.442	4.473	4.292	4.375
0.018	0.009	0.013	0.013	0.014	0.011	0.014	0.013	0.009	0.013	0.014	0.010	0.008	0.009
11.935	11.940	11.916	11.910	11.859	11.937	11.922	11.894	11.920	11.889	11.892	11.902	11.925	11.933
0.000	0.000	0.008	0.002	0.004	0.001	0.003	0.000	0.000	0.002	0.002	0.004	0.006	0.000
0.003	0.003	0.013	0.004	0.010	0.009	0.011	0.004	0.000	0.005	0.007	0.018	0.000	0.000
0.008	0.000	0.005	0.005	0.000	0.003	0.003	0.000	0.000	0.009	0.007	0.000	0.002	0.000
19.947	19.943	19.942	19.921	19.872	19.950	19.939	19.898	19.920	19.905	19.907	19.924	19.933	19.933
5.494	5.544	5.401	5.437	5.497	5.515	5.469	5.405	5.439	5.446	5.318	5.300	5.586	5.432
2.820	2.839	2.786	2.817	2.899	2.824	2.816	2.820	2.811	2.836	2.772	2.748	2.873	2.792
0.509	0.514	0.523	0.525	0.521	0.546	0.529	0.526	0.526	0.532	0.512	0.511	0.525	0.520
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt
Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Z119	Z120	Z121	Z123	Z122	Z124	Z125	Z126	Z50	Z51	Z52	Z53	Z54	Z55
25.07	24.78	24.73	24.17	24.43	24.87	24.65	24.28	25.33	25.70	25.66	24.69	24.92	24.90
0.05	0.07	0.06	0.05	0.09	0.10	0.10	0.12	0.05	0.04	0.09	0.03	0.03	0.07
21.73	21.52	21.44	21.62	21.64	21.30	21.30	21.95	19.50	19.77	19.72	20.40	20.29	20.31
0.02	0.00	0.02	0.02	0.00	0.02	0.00	0.04	0.03	0.04	0.07	0.00	0.06	0.00
26.22	25.62	26.25	26.36	26.23	25.97	26.41	26.31	29.88	29.27	29.24	30.91	31.31	30.82
0.11	0.13	0.13	0.11	0.16	0.19	0.15	0.14	0.83	0.41	0.35	0.38	0.34	0.33
14.16	14.00	13.70	13.78	13.71	13.85	13.46	13.71	11.44	11.72	11.97	10.76	10.59	10.76
0.03	0.00	0.01	0.00	0.02	0.00	0.06	0.01	0.01	0.00	0.00	0.04	0.05	0.00
0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00
0.02	0.02	0.01	0.02	0.00	0.01	0.04	0.01	0.04	0.02	0.03	0.02	0.00	0.01
87.42	86.14	86.38	86.13	86.28	86.31	86.16	86.55	87.12	86.96	87.14	87.24	87.59	87.20
5.325	5.332	5.326	5.231	5.270	5.353	5.331	5.223	5.540	5.588	5.568	5.411	5.445	5.450
2.675	2.668	2.674	2.769	2.730	2.647	2.669	2.777	2.460	2.412	2.432	2.589	2.555	2.550
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.764	2.789	2.768	2.747	2.773	2.755	2.760	2.790	2.565	2.655	2.611	2.679	2.669	2.690
0.003	0.000	0.004	0.004	0.000	0.003	0.000	0.007	0.006	0.006	0.012	0.000	0.010	0.000
4.658	4.611	4.728	4.771	4.732	4.673	4.776	4.733	5.465	5.322	5.308	5.665	5.723	5.643
0.019	0.024	0.024	0.021	0.030	0.035	0.026	0.025	0.154	0.075	0.064	0.070	0.064	0.061
4.482	4.490	4.397	4.448	4.411	4.443	4.339	4.396	3.731	3.801	3.874	3.514	3.450	3.511
0.008	0.011	0.010	0.007	0.014	0.016	0.016	0.019	0.009	0.007	0.015	0.005	0.005	0.012
11.934	11.926	11.932	11.999	11.960	11.926	11.918	11.969	11.929	11.866	11.884	11.933	11.921	11.917
0.005	0.006	0.003	0.005	0.000	0.004	0.010	0.002	0.012	0.005	0.007	0.005	0.000	0.003
0.007	0.000	0.007	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.013	0.000	0.000
0.006	0.000	0.003	0.000	0.005	0.001	0.015	0.001	0.002	0.000	0.000	0.009	0.012	0.000
19.952	19.932	19.946	20.005	19.965	19.930	19.943	19.973	19.942	19.871	19.896	19.959	19.933	19.920
5.440	5.457	5.442	5.516	5.502	5.402	5.430	5.566	5.025	5.066	5.043	5.268	5.225	5.240
2.783	2.811	2.792	2.765	2.801	2.790	2.792	2.835	2.589	2.675	2.653	2.689	2.689	2.714
0.510	0.507	0.518	0.518	0.518	0.513	0.524	0.518	0.594	0.583	0.578	0.617	0.624	0.616
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt
Bt	Bt	Bt	Bt	Bt	Bt	Bt	Bt						
Grt	Grt	Grt	Grt	Grt	Grt	Grt	Grt						

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z76	Z77	Z78	Z79
24.78	24.81	25.08	25.26	25.88	25.30	25.17	24.88	24.79	25.56	24.65	24.65	24.71	24.81
0.06	0.04	0.08	0.07	0.02	0.07	0.05	0.05	0.06	0.06	0.04	0.04	0.05	0.08
19.59	19.97	20.36	20.17	19.45	19.53	19.57	20.33	20.06	19.76	20.18	20.40	20.40	20.40
0.04	0.00	0.03	0.04	0.03	0.06	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.02
31.60	31.02	30.12	30.64	29.41	30.96	30.72	30.77	30.54	30.58	31.98	31.47	31.45	31.67
0.32	0.27	0.66	0.46	0.32	0.40	0.43	0.30	0.31	0.28	0.34	0.35	0.38	0.32
10.50	10.88	11.12	10.92	11.90	10.93	10.82	10.86	10.99	10.83	10.34	10.39	10.37	9.86
0.04	0.00	0.01	0.00	0.01	0.00	0.05	0.04	0.01	0.00	0.04	0.02	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
0.00	0.00	0.03	0.02	0.02	0.01	0.00	0.01	0.03	0.00	0.00	0.02	0.04	0.16
86.93	86.99	87.46	87.59	87.03	87.26	86.80	87.25	86.79	87.08	87.59	87.33	87.39	87.33
5.476	5.453	5.459	5.498	5.624	5.542	5.538	5.443	5.451	5.586	5.412	5.412	5.419	5.453
2.524	2.547	2.541	2.502	2.376	2.458	2.462	2.557	2.549	2.414	2.588	2.588	2.581	2.547
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.577	2.628	2.681	2.672	2.606	2.583	2.613	2.682	2.648	2.677	2.633	2.690	2.692	2.736
0.007	0.000	0.005	0.007	0.006	0.011	0.000	0.004	0.002	0.001	0.002	0.000	0.000	0.003
5.838	5.702	5.483	5.578	5.346	5.671	5.654	5.628	5.616	5.590	5.871	5.777	5.769	5.821
0.060	0.050	0.121	0.085	0.058	0.074	0.079	0.055	0.057	0.051	0.064	0.064	0.070	0.060
3.458	3.565	3.607	3.541	3.855	3.569	3.550	3.541	3.602	3.529	3.383	3.399	3.391	3.229
0.009	0.007	0.013	0.012	0.002	0.012	0.008	0.008	0.009	0.010	0.007	0.007	0.008	0.013
11.950	11.952	11.909	11.896	11.874	11.919	11.905	11.918	11.934	11.858	11.960	11.936	11.930	11.862
0.000	0.000	0.007	0.006	0.005	0.003	0.001	0.002	0.009	0.000	0.000	0.005	0.010	0.044
0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013
0.010	0.000	0.002	0.000	0.002	0.000	0.012	0.009	0.001	0.000	0.010	0.004	0.001	0.001
19.961	19.953	19.919	19.902	19.882	19.922	19.917	19.929	19.945	19.858	19.970	19.945	19.942	19.920
5.102	5.175	5.222	5.174	4.982	5.042	5.075	5.240	5.197	5.091	5.220	5.279	5.273	5.283
2.602	2.642	2.712	2.703	2.616	2.618	2.629	2.702	2.668	2.698	2.649	2.704	2.708	2.765
0.628	0.615	0.603	0.612	0.581	0.614	0.614	0.614	0.609	0.613	0.634	0.630	0.630	0.643
Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Z80	Z81	Z82	Z83	Z84	Z85	Z66	Z67	Z68	Z69	Z70	Z71
24.61	24.28	24.36	24.45	24.63	25.05	24.62	24.65	24.66	24.48	24.92	24.32
0.03	0.07	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.03	0.07	0.06
20.44	20.61	20.53	20.24	20.45	19.92	21.55	21.32	21.40	21.70	21.40	21.68
0.06	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.03
31.54	31.78	31.86	31.65	31.74	30.82	27.71	28.18	27.27	27.63	27.69	27.94
0.35	0.29	0.25	0.34	0.38	0.36	0.22	0.23	0.16	0.20	0.18	0.21
10.35	9.90	10.01	10.32	10.08	10.89	12.70	12.49	12.67	12.46	12.62	12.58
0.05	0.00	0.01	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.00	0.05
0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.05
0.01	0.00	0.01	0.00	0.01	0.06	0.00	0.01	0.02	0.01	0.13	0.01
87.43	86.92	87.12	87.05	87.34	87.14	86.85	86.95	86.25	86.56	87.00	86.93
5.399	5.366	5.374	5.395	5.414	5.491	5.316	5.331	5.349	5.302	5.368	5.259
2.601	2.634	2.626	2.605	2.586	2.509	2.684	2.669	2.651	2.698	2.632	2.741
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.684	2.735	2.711	2.658	2.711	2.639	2.797	2.766	2.819	2.840	2.801	2.783
0.011	0.000	0.003	0.001	0.000	0.000	0.000	0.000	0.002	0.005	0.000	0.006
5.787	5.874	5.877	5.841	5.833	5.651	5.003	5.097	4.945	5.004	4.988	5.053
0.064	0.055	0.047	0.064	0.071	0.066	0.039	0.041	0.030	0.036	0.033	0.038
3.384	3.262	3.291	3.393	3.304	3.558	4.087	4.027	4.098	4.024	4.054	4.054
0.005	0.012	0.008	0.008	0.008	0.006	0.007	0.008	0.008	0.005	0.011	0.010
11.936	11.938	11.937	11.965	11.927	11.921	11.934	11.939	11.902	11.914	11.887	11.944
0.002	0.000	0.003	0.000	0.004	0.015	0.000	0.002	0.005	0.003	0.034	0.003
0.001	0.000	0.013	0.000	0.000	0.000	0.002	0.000	0.000	0.003	0.000	0.019
0.011	0.000	0.003	0.000	0.000	0.000	0.002	0.005	0.004	0.004	0.000	0.011
19.949	19.938	19.956	19.966	19.931	19.936	19.938	19.945	19.910	19.925	19.922	19.977
5.285	5.368	5.337	5.263	5.297	5.148	5.482	5.434	5.470	5.538	5.434	5.525
2.705	2.759	2.730	2.675	2.727	2.651	2.811	2.782	2.837	2.855	2.823	2.809
0.631	0.643	0.641	0.633	0.638	0.614	0.550	0.559	0.547	0.554	0.552	0.555
Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt	Chl r/Grt

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Sample VD054. Sarentino (Eastern Alps, Italy).													
Analysis	Z1	Z2	Z3	Z4	Z5	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14
SiO2	25.48	26.05	25.38	25.54	25.23	25.16	25.57	25.80	25.49	26.45	26.05	26.41	26.61
TiO2	0.01	0.02	0.02	0.04	0.21	0.09	0.07	0.05	0.05	0.07	0.07	0.03	0.06
Al2O3	17.73	17.72	17.78	17.76	18.57	18.70	17.58	18.02	18.11	16.70	16.81	16.64	16.40
Cr2O3	0.00	0.02	0.00	0.00	0.00	0.02	0.02	0.00	0.03	0.01	0.00	0.00	0.00
FeO	33.04	32.08	32.53	32.42	32.69	31.83	33.03	32.23	31.91	32.15	32.40	32.55	32.36
MnO	0.63	0.56	0.56	0.52	0.72	0.61	0.56	0.58	0.67	0.48	0.39	0.48	0.40
MgO	10.64	11.04	10.79	11.19	10.60	11.14	11.07	10.88	11.04	11.37	11.28	11.19	11.36
CaO	0.02	0.02	0.00	0.02	0.01	0.00	0.05	0.01	0.01	0.06	0.01	0.04	0.01
Na2O	0.07	0.01	0.01	0.00	0.01	0.04	0.00	0.00	0.00	0.05	0.00	0.02	0.00
K2O	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.04	0.02	0.02	0.00	0.01	0.02
Total	87.62	87.52	87.06	87.49	88.04	87.59	87.95	87.62	87.33	87.36	87.01	87.34	87.21
Si+4	5.642	5.731	5.639	5.639	5.546	5.532	5.637	5.678	5.627	5.835	5.781	5.840	5.882
AlIV	2.358	2.269	2.361	2.361	2.454	2.468	2.363	2.322	2.373	2.165	2.219	2.160	2.118
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.269	2.326	2.296	2.262	2.357	2.379	2.204	2.351	2.339	2.176	2.178	2.175	2.155
Cr+3	0.000	0.004	0.000	0.000	0.000	0.004	0.004	0.000	0.005	0.002	0.000	0.000	0.001
Fe+2	6.120	5.901	6.045	5.987	6.009	5.855	6.090	5.932	5.890	5.932	6.012	6.019	5.984
Mn+2	0.119	0.105	0.105	0.096	0.135	0.113	0.105	0.108	0.125	0.090	0.074	0.090	0.074
Mg+2	3.513	3.619	3.575	3.684	3.475	3.653	3.640	3.570	3.634	3.741	3.730	3.687	3.744
Ti+4	0.002	0.004	0.004	0.007	0.034	0.015	0.011	0.009	0.009	0.012	0.011	0.004	0.009
totVI	12.022	11.959	12.026	12.037	12.009	12.018	12.054	11.969	12.002	11.953	12.006	11.976	11.967
K+1	0.000	0.002	0.000	0.002	0.000	0.000	0.002	0.010	0.004	0.005	0.000	0.002	0.005
Na+1	0.029	0.003	0.005	0.000	0.004	0.018	0.000	0.000	0.000	0.023	0.000	0.006	0.000
Ca+2	0.006	0.005	0.000	0.005	0.003	0.000	0.012	0.003	0.001	0.015	0.003	0.008	0.002
Cations	20.057	19.969	20.031	20.044	20.017	20.036	20.068	19.982	20.008	19.996	20.009	19.992	19.974
Altot	4.627	4.595	4.657	4.623	4.811	4.846	4.567	4.673	4.712	4.341	4.397	4.336	4.273
AlVI+2Ti+(	2.273	2.338	2.304	2.276	2.425	2.413	2.230	2.369	2.362	2.202	2.200	2.183	2.174
Fe/Fe+Mg	0.635	0.620	0.628	0.619	0.634	0.616	0.626	0.624	0.618	0.613	0.617	0.620	0.615
Micro-site	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt
	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Ms	Ms	Ms	Ms
										Qtz	Qtz	Qtz	Qtz
Chlorites in LP felsic rocks - A. Zane, Dept. Mineralogy and Petrology, Univ. of Padova.													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Z15	Z16	Z17	Z18	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29
26.62	27.23	26.77	26.54	26.62	25.44	25.58	25.33	25.67	24.91	25.39	25.27	25.26	25.46
0.04	0.10	0.04	0.04	0.06	0.06	0.07	0.02	0.04	0.07	0.05	0.05	0.08	0.08
16.76	16.47	16.70	16.57	16.68	18.10	18.11	18.02	18.03	18.53	17.58	17.99	18.81	18.42
0.02	0.00	0.02	0.00	0.03	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00
32.05	30.45	31.61	31.57	32.19	32.13	32.21	32.79	32.35	32.34	33.16	33.21	31.47	32.57
0.43	0.46	0.55	0.52	0.44	0.51	0.52	0.58	0.52	0.63	0.55	0.63	0.56	0.57
11.31	12.08	11.21	11.20	11.45	11.07	10.94	10.80	11.13	10.63	11.06	10.64	11.26	11.14
0.02	0.05	0.07	0.05	0.03	0.00	0.01	0.01	0.01	0.02	0.00	0.03	0.03	0.00
0.00	0.02	0.02	0.00	0.00	0.00	0.02	0.02	0.02	0.00	0.03	0.02	0.00	0.02
0.00	0.03	0.05	0.01	0.00	0.00	0.02	0.00	0.02	0.01	0.02	0.01	0.04	0.00
87.24	86.88	87.03	86.49	87.49	87.31	87.47	87.57	87.82	87.13	87.84	87.84	87.50	88.24
5.869	5.900	5.907	5.896	5.858	5.618	5.640	5.602	5.641	5.529	5.613	5.587	5.546	5.572
2.131	2.100	2.093	2.104	2.142	2.382	2.360	2.398	2.359	2.471	2.387	2.413	2.454	2.428
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.225	2.261	2.251	2.235	2.183	2.329	2.344	2.299	2.309	2.378	2.194	2.276	2.414	2.322
0.003	0.001	0.004	0.000	0.005	0.000	0.000	0.001	0.004	0.000	0.000	0.000	0.000	0.000
5.909	5.895	5.835	5.867	5.924	5.934	5.938	6.065	5.945	6.005	6.130	6.141	5.778	5.962
0.081	0.085	0.102	0.098	0.083	0.096	0.097	0.108	0.097	0.118	0.103	0.118	0.105	0.106
3.717	3.652	3.687	3.711	3.757	3.646	3.596	3.562	3.645	3.517	3.645	3.506	3.685	3.634
0.007	0.004	0.006	0.006	0.010	0.010	0.011	0.004	0.006	0.011	0.007	0.008	0.013	0.012
11.941	11.897	11.885	11.916	11.961	12.016	11.987	12.039	12.006	12.029	12.079	12.049	11.995	12.036
0.000	0.003	0.014	0.004	0.000	0.000	0.006	0.000	0.005	0.002	0.005	0.001	0.010	0.000
0.000	0.014	0.009	0.000	0.000	0.000	0.007	0.008	0.010	0.000	0.014	0.008	0.000	0.009
0.004	0.010	0.017	0.011	0.007	0.000	0.003	0.001	0.003	0.005	0.000	0.007	0.007	0.000
19.945	19.924	19.925	19.931	19.968	20.016	20.004	20.049	20.024	20.037	20.099	20.065	20.012	20.045
4.356	4.361	4.344	4.339	4.325	4.711	4.705	4.697	4.668	4.849	4.581	4.689	4.868	4.750
2.242	2.270	2.267	2.247	2.208	2.349	2.366	2.308	2.325	2.400	2.208	2.292	2.440	2.346
0.614	0.617	0.613	0.613	0.612	0.619	0.623	0.630	0.620	0.631	0.627	0.637	0.611	0.621
Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Z30													
25.32													
0.09													
17.47													
0.03													
33.24													
0.55													
10.79													
0.10													
0.02													
0.00													
87.59													
5.619													
2.381													
8.000													
2.190													
0.004													
6.169													
0.103													
3.569													
0.015													
12.051													
0.001													
0.008													
0.023													
20.083													
4.571													
2.224													
0.633													
Chl r2/Bt													
Ms													
Qtz													

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Sample VD057. Sarentino (Eastern Alps, Italy).													
Analysis	Z86	Z87	Z88	Z89	Z90	Z91	Z92	Z93	Z94	Z95	Z96	Z97	Z98
SiO2	25.59	24.88	24.92	25.01	25.12	24.86	25.02	24.86	25.34	25.28	25.07	24.86	24.57
TiO2	0.04	0.06	0.04	0.00	0.04	0.05	0.05	0.04	0.09	0.05	0.04	0.11	0.09
Al2O3	18.37	18.59	18.55	18.38	18.24	18.54	18.27	18.58	18.29	18.30	18.32	19.67	19.17
Cr2O3	0.01	0.02	0.00	0.00	0.04	0.00	0.00	0.00	0.04	0.01	0.02	0.00	0.05
FeO	32.44	31.16	32.15	31.98	31.06	32.21	31.90	31.69	31.76	31.94	31.53	29.97	29.43
MnO	1.50	1.41	1.49	1.32	1.41	1.46	1.33	1.45	1.44	1.37	1.49	1.49	1.54
MgO	10.36	10.51	10.26	10.36	10.53	10.22	10.29	10.14	10.43	10.49	10.52	10.99	10.75
CaO	0.02	0.02	0.03	0.04	0.02	0.05	0.02	0.00	0.00	0.01	0.05	0.01	0.03
Na2O	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.05	0.03	0.02	0.00
K2O	0.04	0.02	0.01	0.01	0.01	0.02	0.00	0.01	0.01	0.01	0.06	0.02	0.00
Total	88.36	86.66	87.44	87.10	86.48	87.41	86.87	86.77	87.39	87.52	87.10	87.14	85.61
Si+4	5.615	5.542	5.530	5.564	5.604	5.523	5.580	5.547	5.608	5.591	5.570	5.464	5.496
AlIV	2.385	2.458	2.470	2.436	2.396	2.477	2.420	2.453	2.392	2.409	2.430	2.536	2.504
totIV	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
AlVI	2.366	2.424	2.381	2.382	2.400	2.376	2.380	2.432	2.379	2.363	2.366	2.557	2.549
Cr+3	0.001	0.003	0.000	0.001	0.006	0.000	0.001	0.001	0.006	0.001	0.004	0.000	0.009
Fe+2	5.952	5.806	5.968	5.949	5.795	5.983	5.948	5.915	5.877	5.908	5.858	5.508	5.506
Mn+2	0.278	0.266	0.281	0.248	0.266	0.275	0.251	0.274	0.270	0.257	0.281	0.277	0.291
Mg+2	3.390	3.491	3.393	3.435	3.503	3.386	3.419	3.375	3.441	3.460	3.484	3.600	3.584
Ti+4	0.006	0.010	0.007	0.000	0.006	0.008	0.008	0.006	0.014	0.009	0.006	0.018	0.015
totVI	11.993	12.000	12.030	12.015	11.977	12.027	12.008	12.002	11.987	11.997	11.999	11.962	11.952
K+1	0.011	0.005	0.003	0.003	0.001	0.007	0.000	0.003	0.002	0.004	0.016	0.005	0.000
Na+1	0.000	0.000	0.000	0.001	0.016	0.002	0.000	0.000	0.000	0.023	0.011	0.007	0.000
Ca+2	0.005	0.004	0.006	0.009	0.004	0.011	0.004	0.000	0.001	0.003	0.011	0.003	0.007
Cations	20.008	20.008	20.039	20.028	19.997	20.048	20.012	20.005	19.990	20.027	20.037	19.977	19.959
Altot	4.751	4.882	4.851	4.819	4.796	4.854	4.800	4.886	4.771	4.772	4.796	5.094	5.053
AlVI+2Ti+(	2.379	2.447	2.395	2.383	2.418	2.392	2.397	2.445	2.413	2.382	2.382	2.593	2.588
Fe/Fe+Mg	0.637	0.625	0.638	0.634	0.623	0.639	0.635	0.637	0.631	0.631	0.627	0.605	0.606
Micro-site	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r1/Bt	Chl r/Bt	Chl r/Bt
	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz
												Ep	Ep

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Z99	Z100	Z101	Z102	Z103	Z104	Z105	Z106	Z107	Z108	Z109	Z110	Z111	Z112
24.75	24.70	24.90	24.81	24.65	24.77	24.74	25.04	25.64	25.82	25.16	25.89	25.57	25.66
0.09	0.19	0.03	0.11	0.09	0.09	0.12	0.15	0.07	0.03	0.06	0.08	0.06	0.09
19.63	19.52	19.74	19.61	19.52	19.69	19.34	19.41	17.95	17.79	17.72	17.52	17.70	17.70
0.01	0.01	0.00	0.00	0.04	0.01	0.05	0.00	0.00	0.00	0.01	0.02	0.05	0.01
30.40	29.97	30.19	30.11	30.64	29.86	30.25	30.45	30.28	30.60	31.09	30.27	31.02	31.05
1.48	1.54	1.46	1.35	1.54	1.67	1.58	1.39	1.26	1.17	1.14	1.18	1.36	1.38
10.70	10.87	11.17	10.83	10.66	10.43	11.07	11.10	11.78	11.58	11.29	12.29	11.65	11.66
0.01	0.04	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00
0.01	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.02	0.00
0.00	0.00	0.02	0.03	0.00	0.01	0.00	0.03	0.01	0.02	0.00	0.01	0.02	0.02
87.08	86.83	87.54	86.85	87.14	86.53	87.17	87.58	87.01	87.00	86.48	87.24	87.46	87.58
5.457	5.453	5.451	5.473	5.443	5.485	5.452	5.484	5.649	5.693	5.612	5.685	5.634	5.645
2.543	2.547	2.549	2.527	2.557	2.515	2.548	2.516	2.351	2.307	2.388	2.315	2.366	2.355
8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
2.559	2.534	2.542	2.570	2.524	2.623	2.474	2.495	2.309	2.316	2.269	2.218	2.231	2.234
0.002	0.002	0.000	0.000	0.007	0.002	0.008	0.000	0.000	0.000	0.002	0.003	0.009	0.002
5.605	5.535	5.526	5.555	5.658	5.530	5.575	5.578	5.578	5.642	5.798	5.558	5.716	5.712
0.276	0.288	0.271	0.253	0.288	0.314	0.294	0.258	0.235	0.219	0.216	0.219	0.254	0.258
3.515	3.577	3.645	3.560	3.507	3.443	3.635	3.624	3.870	3.808	3.752	4.023	3.826	3.822
0.015	0.031	0.004	0.019	0.014	0.014	0.020	0.025	0.011	0.004	0.009	0.013	0.010	0.014
11.973	11.966	11.988	11.956	11.998	11.926	12.006	11.980	12.003	11.989	12.046	12.034	12.046	12.042
0.000	0.000	0.005	0.008	0.000	0.002	0.000	0.009	0.003	0.005	0.000	0.002	0.006	0.007
0.002	0.000	0.014	0.000	0.000	0.006	0.000	0.000	0.011	0.000	0.000	0.000	0.007	0.000
0.002	0.008	0.002	0.000	0.000	0.001	0.008	0.001	0.000	0.000	0.003	0.000	0.000	0.000
19.977	19.975	20.009	19.964	19.998	19.934	20.013	19.990	20.017	19.994	20.050	20.035	20.060	20.049
5.101	5.080	5.091	5.097	5.081	5.138	5.022	5.011	4.660	4.624	4.658	4.533	4.597	4.589
2.591	2.598	2.550	2.608	2.559	2.653	2.522	2.545	2.331	2.324	2.289	2.247	2.260	2.264
0.615	0.607	0.603	0.609	0.617	0.616	0.605	0.606	0.590	0.597	0.607	0.580	0.599	0.599
Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt
Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms	Ms
Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz	Qtz
Ep	Ep	Ep	Ep	Ep	Ep	Ep	Ep						

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

Z113	Z114	Z115	Z116										
25.57	25.88	25.64	25.71										
0.07	0.16	0.10	0.08										
17.43	17.95	17.78	17.63										
0.01	0.00	0.00	0.01										
30.57	30.66	30.65	30.26										
1.41	1.14	1.21	1.28										
11.75	11.58	11.58	11.75										
0.02	0.00	0.00	0.00										
0.00	0.02	0.01	0.00										
0.03	0.00	0.00	0.01										
86.85	87.39	86.96	86.73										
5.665	5.677	5.662	5.684										
2.335	2.323	2.338	2.316										
8.000	8.000	8.000	8.000										
2.216	2.320	2.290	2.278										
0.002	0.001	0.000	0.002										
5.664	5.626	5.662	5.596										
0.265	0.212	0.226	0.240										
3.880	3.786	3.811	3.873										
0.012	0.026	0.017	0.014										
12.038	11.971	12.006	12.003										
0.007	0.000	0.000	0.002										
0.000	0.006	0.002	0.000										
0.005	0.001	0.000	0.000										
20.051	19.978	20.008	20.005										
4.551	4.643	4.628	4.594										
2.242	2.373	2.324	2.308										
0.593	0.598	0.598	0.591										
Chl r2/Bt	Chl r2/Bt	Chl r2/Bt	Chl r2/Bt										
Ms	Ms	Ms	Ms										
Qtz	Qtz	Qtz	Qtz										

Chl r/Bt = retrograde chlorite after biotite. Chl r /Grt = retrograde chlorite after garnet. Chl sinc. = syncinematic Chl. Chl stat. = postkinematic Chl. Chl ps. = pseudomorphic Chl. See Kretz (1988) for symbols.

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