

Table T7. Representative microprobe analyses of chlorite from veins, Hole 735B. (Continued on next page.)

Core, section, interval (cm):	19R-1, 140-146	31R-3, 4-10	31R-3, 4-10	37R-2, 113-117	57R-4, 123-133	58R-3, 0-8	63R-1, 106-107	63R-1, 106-107	64R-2, 100-105	64R-4, 66-70	67R-2, 113-125	69R-5, 31-41	119R-5, 62-68	120R-2, 99-104	120R-2, 99-104	120R-4, 55-60	121R-1, 81-86
Number of analyses:	2	1	1	2	1	2	1	2	2	1	1	1	1	1	1	2	3
Color:	Green	Colorless	Colorless	Colorless	Colorless	Green	Lt Green	Lt Green	Green	Green	Green	Lt Green	Green	Green	Green	Green	Green
Major element oxide (wt%):																	
SiO ₂	24.85	29.74	29.11	26.37	25.99	30.52	26.72	26.67	26.00	26.56	25.51	27.19	26.65	25.68	27.12	25.71	25.48
TiO ₂	0.10	0.00	0.00	0.02	0.09	0.02	0.01	0.00	0.00	0.03	0.09	0.00	0.08	0.00	0.02	0.00	0.06
Al ₂ O ₃	19.16	20.10	18.11	18.70	18.65	19.70	18.57	18.57	19.53	18.35	19.35	19.49	16.70	17.70	16.79	18.16	18.43
FeO	27.85	17.25	13.30	24.62	25.48	17.11	20.43	22.22	24.68	24.77	26.28	19.12	26.16	28.22	27.92	31.00	31.32
MnO	0.19	0.23	0.08	0.28	1.45	0.24	0.80	1.03	0.50	1.30	1.05	0.27	0.32	0.61	0.39	0.28	0.40
MgO	14.04	18.64	25.34	15.99	14.51	19.18	19.06	17.68	16.00	15.33	14.98	20.15	14.82	11.94	12.45	11.65	11.37
CaO	0.05	0.74	0.00	0.09	0.02	0.35	0.02	0.04	0.01	0.02	0.01	0.03	0.06	0.21	0.15	0.05	0.08
Na ₂ O	0.05	0.51	0.00	0.07	0.08	1.01	0.01	0.05	0.10	0.04	0.05	0.00	0.12	0.19	0.21	0.15	0.16
K ₂ O	0.01	0.00	0.00	0.02	0.01	0.00	0.03	0.00	0.02	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.00
Total:	86.30	87.21	85.94	86.16	86.29	88.14	85.66	86.25	86.81	86.41	87.32	86.25	84.93	84.57	85.06	87.00	87.30
Number of ions based on 36 (O, OH):																	
Si	5.4282	6.0035	5.8554	5.6517	5.6261	6.0884	5.6462	5.6546	5.5345	5.7061	5.4685	5.6343	5.8583	5.7538	5.9976	5.6575	5.6022
Ti	0.0157	0.0000	0.0000	0.0027	0.0139	0.0033	0.0018	0.0000	0.0000	0.0048	0.0145	0.0000	0.0136	0.0000	0.0035	0.0002	0.0091
Al ^{IV}	2.5718	1.9965	2.1446	2.3483	2.3739	1.9116	2.3538	2.3454	2.4655	2.2939	2.5315	2.3657	2.1417	2.2462	2.0024	2.3425	2.3978
Al ^{VI}	2.3601	2.7854	2.1487	2.3762	2.3846	2.7198	2.2719	2.2946	2.4343	2.3523	2.3572	2.3942	2.1854	2.4278	2.3786	2.3680	2.3786
Al ions	4.9319	4.7820	4.2933	4.7245	4.7585	4.6315	4.6257	4.6400	4.8998	4.6462	4.8887	4.7599	4.3271	4.6740	4.3810	4.7105	4.7764
Fe ⁺²	5.0859	2.9117	2.2370	4.4208	4.6123	2.8541	3.6096	3.9399	4.3928	4.4498	4.7107	3.3130	4.8085	5.2867	5.1658	5.7045	5.7580
Mn	0.0359	0.0393	0.0136	0.0510	0.2665	0.0398	0.1438	0.1851	0.0893	0.2365	0.1906	0.0474	0.0593	0.1148	0.0732	0.0514	0.0742
Mg	4.5698	5.6096	7.5989	5.0979	4.6828	5.7053	6.0039	5.5876	5.0777	4.9099	4.7873	6.2249	4.8574	3.9870	4.1063	3.8209	3.7269
Ca	0.0114	0.1600	0.0000	0.0212	0.0038	0.0753	0.0056	0.0087	0.0023	0.0046	0.0023	0.0067	0.0152	0.0515	0.0359	0.0107	0.0194
Na	0.0232	0.1996	0.0000	0.0279	0.0345	0.3905	0.0059	0.0194	0.0393	0.0167	0.0208	0.0000	0.0507	0.0835	0.0908	0.0630	0.0691
Total:	20.1021	19.7057	19.9982	19.9976	19.9984	19.7881	20.0425	20.0354	20.0356	19.9747	20.0834	19.9861	19.9902	19.9513	19.8542	20.0189	20.0354
Mg#	47.3	65.8	77.3	53.5	50.4	66.7	62.5	58.6	53.6	52.5	50.4	65.3	50.3	43.0	44.3	40.1	39.3

Table T7 (continued).

Core, section, interval (cm):	121R-8, 1-8	121R-8, 1-8	140R-6, 40-44	141R-1, 50-55	144R-6, 35-47	168R-2, 140-146	168R-2, 140-146
Number of analyses:	1	1	2	2	1	1	1
Color:	Green	Green	Green	Green	Green	Green	Green
Major element oxide (wt%):							
SiO ₂	29.13	26.52	27.43	28.08	25.33	26.61	27.20
TiO ₂	0.09	0.09	0.00	0.05	0.03	0.03	0.00
Al ₂ O ₃	17.93	18.22	18.54	17.34	18.03	18.88	17.73
FeO	18.90	28.70	19.83	25.63	33.36	25.12	23.79
MnO	0.18	0.41	0.22	0.28	0.42	0.48	0.28
MgO	21.39	13.65	20.47	16.79	9.98	15.44	16.71
CaO	0.03	0.02	0.07	0.23	0.03	0.00	0.02
Na ₂ O	0.02	0.01	0.08	0.06	0.14	0.17	0.15
K ₂ O	0.00	0.00	0.00	0.01	0.00	0.01	0.00
Total:	87.67	87.63	86.63	88.45	87.31	86.74	85.89
Number of ions based on 36 (O, OH):							
Si	5.9104	5.7072	5.6862	5.8733	5.6350	5.6767	5.8157
Ti	0.0134	0.0152	0.0000	0.0074	0.0043	0.0042	0.0000
Al ^{IV}	2.0896	2.2928	2.3138	2.1267	2.3650	2.3233	2.1843
Al ^{VI}	2.1991	2.3277	2.2154	2.1470	2.3615	2.4250	2.2824
Al ions	4.2887	4.6205	4.5292	4.2737	4.7265	4.7482	4.4667
Fe ⁺²	3.2077	5.1629	3.4390	4.4821	6.2062	4.4818	4.2536
Mn	0.0302	0.0748	0.0391	0.0491	0.0794	0.0864	0.0508
Mg	6.4703	4.3802	6.3255	5.2338	3.3084	4.9122	5.3277
Ca	0.0068	0.0052	0.0149	0.0519	0.0069	0.0000	0.0057
Na	0.0096	0.0035	0.0314	0.0230	0.0622	0.0713	0.0621
Total:	19.9371	19.9695	20.0652	19.9942	20.0289	19.9809	19.9823
Mg#	66.9	45.9	64.8	53.9	34.8	52.3	55.6