Table 2. Average major and minor element compositions of garnets.

Sample	LO1	LO2	LO3	LO4	LO5
G-Class	G3D	G1	G4	G3D	G3
S-Class	Eclogite C	Megacryst	Eclogite A	Eclogite B	Eclogite B
n	15	15	11	12	8
SiO_2	39.36 (0.18)	41.78 (0.18)	42.16 (0.18)	40.91 (0.12)	40.67 (0.21)
TiO_2	0.09 (0.04)	0.54 (0.06)	0.13 (0.03)	0.28 (0.07)	0.12 (0.06)
Al_2O_3	22.83 (0.11)	22.92 (0.17)	23.79 (0.16)	23.02 (0.10)	23.28 (0.13)
Cr_2O_3	<0.03	0.17 (0.02)	0.24 (0.02)	0.06 (0.02)	0.09 (0.01)
FeO	18.54 (0.14)	10.26 (0.12)	9.02 (0.11)	11.25 (0.19)	13.70 (0.12)
MnO	0.30 (0.02)	0.27 (0.02)	0.32 (0.02)	0.17 (0.02)	0.23 (0.02)
MgO	6.86 (0.06)	18.67 (0.18)	20.08 (0.16)	12.79 (0.07)	12.39 (0.11)
CaO	11.96 (0.13)	4.97 (0.11)	3.97 (0.13)	10.91 (0.10)	9.30 (0.07)
Na_2O	0.10 (0.01)	0.07 (0.01)	0.04 (0.01)	0.09 (0.01)	0.05 (0.01)
K_2O	<0.02	0.02 (0.01)	<0.02	<0.02	<0.02
P_2O_5	0.17 (0.02)	0.02 (0.01)	<0.03	<0.03	<0.03
Total	100.24 (0.32)	99.71 (0.27)	99.78 (0.39)	99.50 (0.27)	99.86 (0.29)

Sample	MLO1	MLO2	MLO3	MLO4	MLO5
G-Class	G4	G4	G4	G4	G4D
S-Class	Eclogite B	Eclogite B	Eclogite A	Eclogite A	Megacryst
n	13	12	13	13	13
SiO_2	39.96 (0.16)	40.38 (0.09)	41.94 (0.19)	42.25 (0.12)	41.37 (0.18)
TiO_2	0.09 (0.05)	0.10 (0.04)	0.19 (0.05)	0.29 (0.03)	0.55 (0.03)
Al_2O_3	22.71 (0.09)	23.08 (0.15)	23.78 (0.12)	23.57 (0.16)	22.64 (0.12)
Cr_2O_3	0.16 (0.01)	0.14 (0.02)	0.15 (0.02)	0.27 (0.03)	0.07 (0.02)
FeO	20.52 (0.19)	17.05 (0.24)	9.95 (0.08)	8.08 (0.08)	11.77 (0.11)
MnO	0.34 (0.02)	0.27 (0.02)	0.32 (0.02)	0.31 (0.02)	0.26 (0.02)
MgO	12.61 (0.10)	13.07 (0.18)	19.99 (0.11)	20.97 (0.15)	17.00 (0.15)
CaO	3.92 (0.03)	5.96 (0.05)	3.33 (0.05)	3.57 (0.05)	5.74 (0.08)
Na_2O	0.07 (0.02)	0.06 (0.01)	0.06 (0.01)	0.06 (0.01)	0.11 (0.02)
K_2O	<0.02	0.02 (0.01)	<0.02	<0.02	0.02 (0.01)
P_2O_5	0.08 (0.02)	0.04 (0.01)	0.03 (0.02)	<0.03	0.03 (0.01)
Total	100.48 (0.38)	100.16 (0.29)	99.75 (0.20)	99.41 (0.22)	99.56 (0.30)

G-Class = Grütter Classification, S-Class = Schulze Classification
n = number of points analyzed
Numbers in parentheses are 1 standard deviation from the mean of the analyses.
n.d. = not determined.

Table 2 (continued).

Sample	MDO1	MDO2	MDO3	MDO4	MDO5
G-Class	G4D	G3	G3	G3	G3
S-Class	Eclogite A	Eclogite B	Eclogite B	Eclogite B	Eclogite A
n	5	5	6	4	5
SiO_2	40.70 (0.29)	39.48 (0.32)	39.31 (0.20)	38.56 (0.16)	39.89 (0.17)
TiO_2	0.37 (0.07)	0.23 (0.01)	0.04 (0.02)	<0.02	0.17 (0.07)
Al_2O_3	23.49 (0.15)	22.95 (0.10)	22.93 (0.14)	22.87 (0.06)	23.10 (0.10)
Cr_2O_3	0.29 (0.04)	0.05 (0.02)	0.05 (0.02)	0.06 (0.02)	0.09 (0.03)
FeO	10.32 (0.16)	15.33 (0.04)	18.07 (0.15)	17.75 (0.19)	13.03 (0.04)
MnO	0.24 (0.02)	0.27 (0.02)	0.29 (0.02)	0.31 (0.02)	0.24 (0.02)
MgO	19.15 (0.12)	9.94 (0.18)	9.79 (0.08)	8.79 (0.14)	15.22 (0.06)
CaO	3.68 (0.06)	10.86 (0.07)	8.99 (0.09)	10.25 (0.07)	6.29 (0.08)
Na_2O	0.07 (0.02)	0.07 (0.02)	0.06 (0.01)	0.06 (0.01)	0.04 (0.03)
K_2O	0.02 (0.01)	0.02 (0.00)	0.02 (0.01)	<0.02	<0.02
P_2O_5	<0.03	0.03 (0.01)	0.08 (0.02)	0.07 (0.01)	<0.03
Total	98.37 (0.23)	99.23 (0.40)	99.62 (0.22)	98.73 (0.37)	98.13 (0.09)

Sample	DkO1	DkO2	DkO3	DkO4	DkO5
G-Class	G4	G4D	G4	G3	G4D
S-Class	Eclogite A	Eclogite A	Eclogite A	Eclogite B	Eclogite A
n	12	11	14	12	11
SiO_2	41.11 (0.14)	40.62 (0.15)	41.58 (0.14)	39.49 (0.12)	40.70 (0.21)
TiO_2	0.48 (0.04)	0.50 (0.03)	0.37 (0.05)	0.17 (0.03)	0.43 (0.05)
Al_2O_3	22.77 (0.10)	22.80 (0.12)	22.88 (0.14)	22.55 (0.08)	22.77 (0.08)
Cr_2O_3	0.10 (0.02)	0.10 (0.01)	0.82 (0.04)	0.07 (0.01)	0.10 (0.02)
FeO	12.16 (0.13)	13.87 (0.11)	10.27 (0.10)	19.13 (0.10)	14.36 (0.12)
MnO	0.38 (0.02)	0.27 (0.02)	0.31 (0.02)	0.35 (0.03)	0.35 (0.03)
MgO	17.53 (0.19)	15.36 (0.14)	19.39 (0.09)	8.86 (0.07)	15.78 (0.10)
CaO	4.66 (0.11)	5.83 (0.06)	3.62 (0.06)	9.27 (0.07)	5.15 (0.04)
Na_2O	0.06 (0.01)	0.10 (0.01)	0.07 (0.03)	0.06 (0.01)	0.08 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	<0.03	<0.03	<0.03	<0.03	0.03 (0.01)
Total	99.31 (0.25)	99.50 (0.28)	99.35 (0.24)	99.97 (0.20)	99.77 (0.20)

Table 2 (continued).

Sample	LOR1	LOR2	LOR3	LOR4	LOR5
G-Class	G1	G4	G4	G4	G4
S-Class	Megacryst	Eclogite A	Eclogite A	Eclogite A	Eclogite A
n	3	3	3	3	3
SiO_2	41.52 (0.44)	40.81 (0.11)	39.77 (0.29)	39.71 (0.09)	40.29 (0.56)
TiO_2	0.63 (0.04)	0.41 (0.02)	0.45 (0.00)	0.45 (0.01)	0.42 (0.03)
Al_2O_3	23.42 (0.12)	23.18 (0.03)	22.89 (0.04)	23.03 (0.09)	23.14 (0.02)
Cr_2O_3	0.85 (0.08)	0.93 (0.02)	0.97 (0.03)	0.87 (0.02)	0.72 (0.01)
FeO	7.35 (0.02)	9.80 (0.07)	10.87 (0.06)	10.56 (0.09)	10.69 (0.04)
MnO	0.30 (0.01)	0.38 (0.01)	0.35 (0.01)	0.36 (0.01)	0.36 (0.01)
MgO	21.77 (0.09)	19.85 (0.07)	19.54 (0.12)	19.47 (0.15)	19.46 (0.14)
CaO	3.95 (0.02)	4.03 (0.04)	4.14 (0.02)	4.10 (0.01)	4.06 (0.07)
Na_2O	0.08 (0.01)	0.06 (0.02)	0.06 (0.02)	0.06 (0.02)	0.07 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.91 (0.50)	99.48 (0.19)	99.08 (0.37)	98.65 (0.35)	99.24 (0.46)

Sample	LOR6	LOR7	LOR8	LOR9	LOR10
G-Class	G4	G9	G4	G1	G4
S-Class	Eclogite A	Lherzolite	Eclogite A	Megacryst	Eclogite A
n	3	3	3	3	3
SiO_2	40.24 (0.35)	40.60 (0.09)	40.84 (0.21)	40.77 (0.39)	39.82 (0.28)
TiO_2	0.38 (0.03)	0.41 (0.01)	0.30 (0.00)	0.51 (0.03)	0.39 (0.01)
Al_2O_3	23.24 (0.15)	23.08 (0.09)	23.86 (0.11)	23.02 (0.48)	22.99 (0.20)
Cr_2O_3	0.76 (0.01)	1.13 (0.02)	0.40 (0.14)	0.62 (0.81)	0.95 (0.01)
FeO	11.23 (0.06)	10.01 (0.05)	8.27 (0.08)	8.78 (0.04)	11.00 (0.05)
MnO	0.34 (0.02)	0.36 (0.00)	0.34 (0.00)	0.30 (0.01)	0.34 (0.00)
MgO	19.22 (0.12)	19.94 (0.07)	21.11 (0.11)	20.94 (0.21)	19.32 (0.10)
CaO	4.13 (0.03)	4.02 (0.02)	4.19 (0.04)	4.36 (0.12)	4.00 (0.01)
Na_2O	0.06 (0.01)	0.06 (0.02)	0.03 (0.02)	0.04 (0.02)	0.06 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.66 (0.55)	99.66 (0.09)	99.41 (0.28)	99.37 (0.45)	98.89 (0.46)

Table 2 (continued).

Sample	LOR11	LOR12	DkOR1	DkOR2	DkOR3
G-Class	G9	G4	G4	G4	G4
S-Class	Lherzolite	Eclogite A	Eclogite A	Eclogite A	Eclogite A
n	3	3	1	3	3
SiO_2	39.94 (0.30)	39.74 (0.06)	40.22	38.70 (0.37)	40.68 (0.12)
TiO_2	0.36 (0.03)	0.45 (0.03)	0.43	0.14 (0.01)	0.43 (0.02)
Al_2O_3	22.82 (0.01)	23.14 (0.06)	23.36	23.53 (0.19)	23.31 (0.05)
Cr_2O_3	1.47 (0.05)	0.70 (0.04)	0.68	0.20 (0.01)	0.76 (0.00)
FeO	9.52 (0.01)	10.98 (0.03)	10.75	16.39 (0.09)	10.43 (0.04)
MnO	0.36 (0.00)	0.36 (0.01)	0.33	0.28 (0.01)	0.36 (0.01)
MgO	20.29 (0.17)	19.26 (0.03)	19.32	16.19 (0.04)	19.46 (0.14)
CaO	4.10 (0.06)	4.15 (0.01)	4.10	3.68 (0.06)	4.06 (0.05)
Na_2O	0.05 (0.03)	0.07 (0.01)	0.07	0.05 (0.03)	0.07 (0.02)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	98.92 (0.32)	98.87 (0.07)	99.31	99.17 (0.5)	99.59 (0.23)

Sample	DkOR4	DkOR5	DkOR6	DkOR7	DkOR8
G-Class	G4	G1	G4	G9	G9
S-Class	Eclogite A	Lherzolite	Eclogite A	Lherzolite	Lherzolite
n	3	3	3	3	3
SiO_2	39.68 (0.58)	39.79 (0.40)	40.97 (0.16)	41.19 (0.03)	41.37 (0.13)
TiO_2	0.46 (0.01)	0.47 (0.00)	0.46 (0.01)	0.34 (0.00)	0.44 (0.01)
Al_2O_3	23.21 (0.10)	23.19 (0.10)	21.84 (0.11)	21.78 (0.08)	21.45 (0.08)
Cr_2O_3	0.83 (0.02)	1.04 (0.01)	0.82 (0.01)	1.08 (0.04)	1.33 (0.06)
FeO	11.19 (0.09)	8.92 (0.01)	10.7 (0.02)	8.55 (0.02)	8.93 (0.14)
MnO	0.36 (0.01)	0.33 (0.00)	0.34 (0.01)	0.34 (0.01)	0.32 (0.01)
MgO	19.26 (0.13)	20.98 (0.04)	19.35 (0.14)	20.55 (0.08)	20.16 (0.11)
CaO	4.11 (0.03)	3.78 (0.00)	4.28 (0.02)	4.54 (0.03)	4.6 (0.01)
Na_2O	0.06 (0.03)	0.10 (0.01)	0.07 (0.00)	0.04 (0.01)	0.05 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.19 (0.61)	98.62 (0.54)	98.87 (0.24)	98.45 (0.24)	98.68 (0.30)

Table 2 (continued).

Sample	DkOR9	DkOR10	DkOR11	DkOR12	RO1
G-Class	G9	G9	G4	G9	G1
S-Class	Lherzolite	Lherzolite	Eclogite A	Lherzolite	Megacryst
n	3	3	3	3	3
SiO_2	41.33 (0.48)	41.49 (0.27)	41.45 (0.07)	41.79 (0.01)	42.3 (0.07)
TiO_2	0.31 (0.04)	0.49 (0.01)	0.47 (0.01)	0.27 (0.01)	0.56 (0.08)
Al_2O_3	22.22 (0.30)	22.08 (0.52)	22.04 (0.07)	21.48 (0.16)	21.26 (0.22)
Cr_2O_3	1.09 (0.05)	1.17 (0.04)	0.93 (0.01)	1.42 (0.24)	1.73 (0.02)
FeO	9.29 (0.04)	10.85 (0.03)	10.53 (0.07)	8.75 (0.05)	8.67 (0.04)
MnO	0.37 (0.01)	0.35 (0.01)	0.34 (0.00)	0.27 (0.01)	0.28 (0.01)
MgO	20.16 (0.11)	19.07 (0.60)	19.51 (0.09)	20.45 (0.16)	21.04 (0.08)
CaO	4.18 (0.10)	4.29 (0.03)	4.25 (0.03)	4.75 (0.05)	4.30 (0.07)
Na_2O	0.06 (0.00)	0.07 (0.01)	0.07 (0.01)	0.03 (0.00)	0.07 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.04 (0.63)	99.89 (0.17)	99.62 (0.24)	99.25 (0.15)	100.25 (0.17)

Sample	RO2	RO3	RO4	RO5	RO6
G-Class	G1	G9	G9	G1	G4
S-Class	Lherzolite	Lherzolite	Megacryst	Lherzolite	Eclogite A
n	3	3	3	5	3
SiO_2	42.27 (0.07)	42.44 (0.03)	41.62 (0.13)	41.22 (0.20)	41.26 (0.18)
TiO_2	0.46 (0.01)	0.34 (0.01)	0.51 (0.00)	0.49 (0.03)	0.45 (0.01)
Al_2O_3	21.43 (0.03)	21.64 (0.09)	21.72 (0.02)	21.27 (0.07)	21.85 (0.12)
Cr_2O_3	1.74 (0.02)	1.81 (0.04)	1.14 (0.06)	2.59 (0.06)	1.00 (0.07)
FeO	8.6 (0.09)	8.02 (0.02)	10.86 (0.08)	8.22 (0.05)	10.55 (0.09)
MnO	0.30 (0.01)	0.29 (0.02)	0.37 (0.01)	0.38 (0.03)	0.37 (0.02)
MgO	20.96 (0.07)	21.05 (0.13)	18.83 (0.14)	20.46 (0.07)	19.47 (0.11)
CaO	4.42 (0.04)	4.57 (0.03)	5.14 (0.02)	4.84 (0.02)	4.33 (0.03)
Na_2O	0.05 (0.01)	0.04 (0.01)	0.07 (0.01)	0.06 (0.01)	0.06 (0.02)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	100.27 (0.15)	100.22 (0.2)	100.30 (0.03)	99.52 (0.19)	99.39 (0.39)

Table 2 (continued).

Sample	RO7	RO8	RO9	RO10	RO11
G-Class	G1	G4D	G5	G1	G1
S-Class	Lherzolite	Eclogite A	Lherzolite	Lherzolite	Megacryst
n	3	3	3	3	4
SiO_2	41.44 (0.18)	41.57 (0.11)	41.02 (0.07)	41.96 (0.06)	41.16 (0.25)
TiO_2	0.47 (0.02)	0.50 (0.01)	0.16 (0.02)	0.45 (0.02)	0.61 (0.03)
Al_2O_3	21.07 (0.15)	21.88 (0.03)	21.98 (0.13)	21.47 (0.17)	21.82 (0.58)
Cr_2O_3	1.65 (0.01)	0.84 (0.02)	1.03 (0.01)	1.63 (0.25)	1.82 (0.05)
FeO	8.87 (0.04)	11.13 (0.10)	14.86 (0.11)	8.62 (0.11)	8.49 (0.15)
MnO	0.29 (0.01)	0.33 (0.01)	0.32 (0.01)	0.29 (0.00)	0.31 (0.02)
MgO	20.65 (0.04)	19.21 (0.10)	16.78 (0.08)	20.45 (0.06)	21.03 (0.36)
CaO	4.46 (0.03)	4.35 (0.02)	4.49 (0.02)	4.54 (0.01)	4.06 (0.09)
Na_2O	0.05 (0.01)	0.08 (0.01)	0.03 (0.02)	0.05 (0.00)	0.08 (0.02)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.00 (0.24)	99.91 (0.13)	100.70 (0.28)	99.51 (0.11)	99.42 (0.54)

Sample	RO12	LR1	LR2	LR3	LR4
G-Class	G9	G9	G1	G1	G11
S-Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite
n	4	3	3	5	3
SiO_2	41.01 (0.09)	41.86 (0.45)	42.06 (0.25)	41.98 (0.06)	42.17 (0.04)
TiO_2	0.39 (0.01)	0.31 (0.00)	0.41 (0.03)	0.40 (0.03)	0.71 (0.01)
Al_2O_3	23.22 (0.09)	21.56 (0.16)	21.43 (0.19)	21.55 (0.12)	19.12 (0.09)
Cr_2O_3	1.05 (0.06)	2.24 (0.03)	2.58 (0.07)	2.59 (0.05)	4.20 (0.04)
FeO	9.26 (0.07)	8.45 (0.09)	8.19 (0.09)	7.20 (0.07)	8.23 (0.05)
MnO	0.36 (0.01)	0.34 (0.01)	0.32 (0.01)	0.28 (0.02)	0.28 (0.00)
MgO	20.57 (0.12)	20.45 (0.12)	20.71 (0.12)	21.30 (0.13)	20.44 (0.05)
CaO	4.01 (0.02)	4.43 (0.03)	4.36 (0.22)	4.63 (0.06)	5.11 (0.02)
Na_2O	0.06 (0.01)	0.06 (0.01)	0.07 (0.01)	0.04 (0.02)	0.05 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.95 (0.19)	99.72 (0.58)	100.18 (0.25)	99.99 (0.31)	100.35 (0.12)

Table 2 (continued).

Sample	LR5	LR6	LR7	LR8	LR9
G-Class	G1	G1	G9	G9	G1
S-Class	Lherzolite	Megacryst	Lherzolite	Lherzolite	Megacryst
n	3	3	3	3	3
SiO_2	42.57 (0.16)	41.71 (0.32)	41.88 (0.08)	41.60 (0.21)	41.80 (0.13)
TiO_2	0.43 (0.02)	0.58 (0.01)	0.42 (0.00)	0.31 (0.02)	0.67 (0.01)
Al_2O_3	21.50 (0.28)	19.71 (0.51)	21.48 (0.10)	19.99 (0.10)	20.66 (0.08)
Cr_2O_3	3.00 (0.04)	3.57 (0.50)	2.26 (0.06)	3.31 (0.04)	1.98 (0.01)
FeO	7.91 (0.08)	8.80 (0.06)	8.44 (0.05)	8.48 (0.05)	8.87 (0.06)
MnO	0.35 (0.01)	0.31 (0.01)	0.36 (0.00)	0.29 (0.01)	0.31 (0.01)
MgO	20.75 (0.05)	19.54 (0.10)	20.15 (0.07)	19.85 (0.09)	20.37 (0.03)
CaO	4.49 (0.01)	5.14 (0.18)	4.41 (0.01)	5.27 (0.02)	4.31 (0.02)
Na_2O	0.07 (0.01)	0.06 (0.02)	0.07 (0.01)	<0.03	0.10 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	101.10 (0.50)	99.47 (0.26)	99.52 (0.11)	99.16 (0.18)	99.12 (0.16)

Sample	LR10	LR11	LR12	DkR1	DkR2
G-Class	G9	G9	G1	G9	G9
S-Class	Lherzolite	Lherzolite	Megacryst	Lherzolite	Lherzolite
n	3	3	3	3	3
SiO_2	41.77 (0.01)	41.93 (0.13)	41.63 (0.10)	41.21 (0.05)	41.31 (0.15)
TiO_2	0.30 (0.00)	0.22 (0.02)	0.89 (0.01)	0.49 (0.05)	0.46 (0.02)
Al_2O_3	20.87 (0.01)	22.07 (0.03)	18.81 (0.02)	20.57 (0.11)	20.99 (0.06)
Cr_2O_3	2.47 (0.01)	1.28 (0.07)	3.68 (0.02)	2.93 (0.05)	2.17 (0.05)
FeO	7.85 (0.02)	7.75 (0.04)	8.31 (0.06)	10.27 (0.04)	11.05 (0.09)
MnO	0.29 (0.00)	0.34 (0.01)	0.26 (0.00)	0.39 (0.01)	0.36 (0.02)
MgO	20.7 (0.04)	20.96 (0.13)	20.48 (0.09)	19.26 (0.15)	18.95 (0.09)
CaO	4.56 (0.04)	4.25 (0.02)	5.12 (0.03)	4.60 (0.01)	4.54 (0.03)
Na_2O	0.04 (0.00)	0.04 (0.00)	0.07 (0.01)	0.07 (0.00)	0.07 (0.00)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	98.88 (0.02)	98.88 (0.08)	99.30 (0.16)	99.84 (0.21)	99.95 (0.16)

Table 2 (continued).

Sample	DkR3	DkR4	DkR5	DkR6	DkR7
G-Class	G9	G9	G9	G9	G11
S-Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite
n	5	3	3	3	3
SiO_2	41.44 (0.20)	41.75 (0.09)	41.90 (0.15)	40.66 (0.12)	40.56 (0.14)
TiO_2	0.12 (0.02)	0.31 (0.01)	0.10 (0.01)	0.22 (0.01)	0.70 (0.01)
Al_2O_3	22.22 (0.14)	21.44 (0.13)	20.80 (0.30)	21.03 (0.08)	19.40 (0.08)
Cr_2O_3	2.15 (0.06)	2.08 (0.05)	3.06 (0.42)	4.26 (0.04)	4.56 (0.06)
FeO	7.14 (0.09)	8.34 (0.04)	7.36 (0.06)	7.79 (0.04)	8.16 (0.03)
MnO	0.33 (0.01)	0.36 (0.00)	0.30 (0.01)	0.37 (0.01)	0.28 (0.01)
MgO	21.40 (0.05)	20.61 (0.04)	20.67 (0.08)	20.59 (0.12)	20.45 (0.11)
CaO	4.35 (0.02)	4.36 (0.02)	5.03 (0.11)	4.67 (0.06)	5.07 (0.01)
Na_2O	0.03 (0.01)	0.06 (0.01)	<0.03	0.03 (0.03)	0.06 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.17 (0.25)	99.34 (0.13)	99.29 (0.07)	99.66 (0.22)	99.29 (0.04)

Sample	DkR8	DkR9	DkR10	DkR11	DkR12
G-Class	G9	G9	G11	G9	G11
S-Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite
n	3	3	3	3	3
SiO_2	40.76 (0.11)	40.82 (0.01)	40.08 (0.14)	40.61 (0.10)	40.97 (0.25)
TiO_2	0.30 (0.01)	0.33 (0.03)	0.62 (0.03)	0.27 (0.03)	0.38 (0.03)
Al_2O_3	20.43 (0.06)	21.81 (0.07)	19.87 (0.10)	21.91 (0.13)	22.06 (0.13)
Cr_2O_3	4.63 (0.09)	3.09 (0.06)	4.53 (0.06)	3.06 (0.06)	2.73 (0.03)
FeO	7.55 (0.05)	7.08 (0.03)	8.37 (0.06)	8.46 (0.02)	6.71 (0.04)
MnO	0.33 (0.01)	0.32 (0.00)	0.36 (0.01)	0.35 (0.01)	0.29 (0.01)
MgO	20.66 (0.13)	21.35 (0.13)	19.44 (0.07)	20.52 (0.07)	21.62 (0.12)
CaO	5.05 (0.01)	4.44 (0.08)	5.89 (0.04)	4.41 (0.02)	4.46 (0.03)
Na_2O	0.04 (0.00)	<0.03	0.05 (0.01)	0.05 (0.02)	0.05 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.79 (0.22)	99.33 (0.26)	99.26 (0.21)	99.67 (0.11)	99.31 (0.46)

Table 2 (continued).

Sample	DpR1	DpR2	DpR3	DpR4	DpR5
G-Class	G11	G9	G9	G1	G11
S-Class	Lherzolite	Lherzolite	Lherzolite	Megacryst	Lherzolite
n	5	5	5	5	5
SiO_2	40.20 (0.09)	40.82 (0.04)	40.48 (0.14)	40.45 (0.07)	40.37 (0.11)
TiO_2	0.69 (0.02)	0.15 (0.01)	0.29 (0.02)	0.67 (0.01)	0.55 (0.04)
Al_2O_3	16.76 (0.10)	19.04 (0.06)	17.18 (0.11)	19.88 (0.07)	18.84 (0.17)
Cr_2O_3	8.45 (0.12)	5.86 (0.03)	8.61 (0.13)	3.89 (0.05)	5.71 (0.16)
FeO	7.07 (0.08)	7.58 (0.04)	7.01 (0.03)	9.48 (0.05)	8.79 (0.06)
MnO	0.34 (0.01)	0.30 (0.01)	0.31 (0.01)	0.39 (0.01)	0.38 (0.01)
MgO	18.18 (0.09)	20.02 (0.04)	19.68 (0.14)	18.15 (0.06)	18.56 (0.12)
CaO	7.67 (0.09)	5.43 (0.04)	5.87 (0.09)	6.60 (0.07)	6.12 (0.16)
Na_2O	0.07 (0.00)	<0.03	0.04 (0.01)	0.06 (0.01)	0.05 (0.00)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.47 (0.23)	99.28 (0.07)	99.54 (0.34)	99.64 (0.14)	99.42 (0.13)

Sample	DpR6	DpR7	DpR8	DpR9	DpR10
G-Class	G11	G9	G11	G11	G9
S-Class	Wehrlite	Lherzolite	Lherzolite	Megacryst	Lherzolite
n	3	3	3	3	3
SiO_2	40.71 (0.16)	41.03 (0.14)	40.50 (0.10)	40.61 (0.13)	40.74 (0.15)
TiO_2	0.79 (0.02)	0.15 (0.02)	0.58 (0.02)	0.60 (0.01)	0.27 (0.01)
Al_2O_3	17.92 (0.12)	17.00 (0.03)	15.91 (0.19)	19.07 (0.07)	16.93 (0.06)
Cr_2O_3	5.01 (0.06)	7.99 (0.05)	8.68 (0.23)	3.80 (0.02)	8.33 (0.03)
FeO	9.54 (0.13)	6.97 (0.07)	7.36 (0.01)	9.66 (0.03)	7.21 (0.06)
MnO	0.43 (0.00)	0.31 (0.01)	0.33 (0.01)	0.44 (0.02)	0.36 (0.01)
MgO	15.81 (0.07)	19.77 (0.09)	18.83 (0.06)	16.42 (0.03)	19.37 (0.05)
CaO	9.47 (0.05)	5.83 (0.06)	6.60 (0.14)	8.67 (0.04)	5.77 (0.01)
Na_2O	0.05 (0.01)	0.03 (0.01)	0.06 (0.00)	0.06 (0.01)	0.05 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.80 (0.08)	99.13 (0.20)	98.90 (0.10)	99.39 (0.18)	99.07 (0.29)

Table 2 (continued).

Sample	DpR11	DpR12	RP1	RP2	RP3
G-Class	G9	G9	G9	G9	G9
S-Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite
n	3	3	3	3	3
SiO_2	39.58 (0.17)	40.57 (0.05)	41.84 (0.07)	41.80 (0.07)	41.99 (0.12)
TiO_2	0.22 (0.02)	0.24 (0.02)	0.16 (0.01)	0.34 (0.05)	0.24 (0.01)
Al_2O_3	18.04 (0.04)	17.18 (0.09)	21.13 (0.06)	19.23 (0.06)	20.63 (0.08)
Cr_2O_3	7.86 (0.02)	7.98 (0.29)	3.10 (0.08)	5.07 (0.04)	3.72 (0.03)
FeO	7.30 (0.02)	8.70 (0.26)	8.28 (0.04)	7.21 (0.05)	7.71 (0.02)
MnO	0.36 (0.01)	0.46 (0.00)	0.38 (0.02)	0.29 (0.01)	0.34 (0.01)
MgO	19.38 (0.05)	18.07 (0.13)	20.32 (0.04)	20.57 (0.02)	20.70 (0.07)
CaO	6.07 (0.06)	6.31 (0.22)	4.44 (0.01)	5.26 (0.05)	4.72 (0.02)
Na_2O	0.04 (0.00)	0.05 (0.01)	0.04 (0.00)	0.04 (0.01)	0.04 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	98.91 (0.09)	99.63 (0.09)	99.71 (0.22)	99.86 (0.09)	100.13 (0.10)

Sample	RP4	RP5	RP6	RP7	RP8
G-Class	G9	G9	G11	G9	G9
S-Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite
n	3	3	3	3	3
SiO_2	42.10 (0.09)	41.84 (0.04)	41.57 (0.64)	41.49 (0.43)	41.61 (0.28)
TiO_2	0.22 (0.00)	0.32 (0.01)	0.46 (0.02)	0.22 (0.01)	0.09 (0.01)
Al_2O_3	21.98 (0.08)	19.89 (0.06)	19.84 (0.09)	20.48 (0.57)	19.50 (0.08)
Cr_2O_3	2.07 (0.12)	4.18 (0.06)	4.18 (0.21)	3.57 (0.28)	5.19 (0.06)
FeO	8.01 (0.09)	7.82 (0.04)	7.68 (0.06)	7.89 (0.05)	7.68 (0.10)
MnO	0.29 (0.00)	0.31 (0.00)	0.34 (0.01)	0.34 (0.01)	0.33 (0.02)
MgO	20.97 (0.11)	20.4 (0.07)	20.57 (0.03)	20.64 (0.12)	20.00 (0.08)
CaO	4.24 (0.03)	4.9 (0.04)	4.88 (0.03)	4.65 (0.13)	5.26 (0.02)
Na_2O	0.04 (0.00)	0.05 (0.01)	0.07 (0.01)	0.04 (0.01)	<0.03
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.96 (0.16)	99.76 (0.10)	99.64 (0.97)	99.33 (0.76)	99.72 (0.36)

Table 2 (continued).

Sample	RP9	RP10	RP11	RP12	LP1
G-Class	G9	G11	G9	G9	G9
S-Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Harzburgite
n	3	3	3	3	3
SiO_2	41.28 (0.22)	41.43 (0.23)	41.02 (0.27)	41.40 (0.45)	41.11 (0.27)
TiO_2	0.26 (0.01)	0.39 (0.01)	0.13 (0.05)	0.22 (0.00)	0.22 (0.01)
Al_2O_3	20.00 (0.12)	19.41 (0.02)	19.16 (0.23)	21.35 (0.21)	18.91 (0.15)
Cr_2O_3	3.94 (0.06)	4.54 (0.06)	5.19 (0.22)	2.30 (0.02)	5.74 (0.07)
FeO	7.38 (0.05)	7.43 (0.07)	8.18 (0.03)	7.59 (0.30)	7.33 (0.06)
MnO	0.32 (0.00)	0.30 (0.01)	0.36 (0.02)	0.33 (0.01)	0.34 (0.01)
MgO	20.72 (0.08)	20.65 (0.16)	19.92 (0.18)	20.79 (0.12)	20.84 (0.01)
CaO	4.92 (0.02)	4.97 (0.01)	5.07 (0.30)	4.50 (0.04)	4.94 (0.06)
Na_2O	0.03 (0.01)	0.05 (0.00)	0.05 (0.01)	0.05 (0.01)	0.04 (0.00)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	98.89 (0.20)	99.21 (0.24)	99.11 (0.26)	98.56 (0.59)	99.50 (0.30)

Sample	LP2	LP3	LP4	LP5	LP6
G-Class	G9	G9	G9	G9	G9
S-Class	Harzburgite	Lherzolite	Lherzolite	Lherzolite	Lherzolite
n	3	3	2	1	3
SiO_2	42.11 (0.21)	41.20 (0.25)	41.43 (0.19)	40.54	42.06 (0.19)
TiO_2	0.16 (0.01)	0.28 (0.02)	0.10 (0.02)	0.16	0.25 (0.01)
Al_2O_3	21.71 (0.11)	19.79 (0.08)	20.52 (0.09)	19.52	20.66 (0.13)
Cr_2O_3	2.51 (0.05)	4.31 (0.01)	4.51 (0.05)	4.22	3.93 (0.14)
FeO	5.80 (0.02)	7.65 (0.04)	6.88 (0.04)	7.92	7.00 (0.03)
MnO	0.29 (0.00)	0.36 (0.01)	0.35 (0.02)	0.36	0.35 (0.01)
MgO	22.56 (0.06)	20.78 (0.16)	20.47 (0.12)	20.37	20.77 (0.13)
CaO	4.06 (0.08)	4.67 (0.04)	4.94 (0.02)	5.13	4.57 (0.03)
Na_2O	0.03 (0.01)	0.06 (0.01)	0.05 (0.01)	0.04	0.05 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.24 (0.35)	99.12 (0.53)	99.26 (0.41)	98.30	99.70 (0.32)

Table 2 (continued).

Sample	LP7	LP8	LP9	LP10	LP11
G-Class	G9	G9	G9	G9	G9
S-Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite
n	3	3	3	3	3
SiO_2	41.87 (0.07)	42.08 (0.13)	42.09 (0.13)	41.72 (0.06)	42.06 (0.22)
TiO_2	0.31 (0.01)	0.21 (0.00)	0.23 (0.01)	0.34 (0.05)	0.21 (0.01)
Al_2O_3	19.88 (0.10)	20.19 (0.07)	20.74 (0.12)	18.21 (0.29)	20.82 (0.32)
Cr_2O_3	4.77 (0.35)	4.33 (0.08)	3.79 (0.02)	6.34 (0.27)	3.71 (0.28)
FeO	7.16 (0.03)	7.93 (0.02)	7.81 (0.05)	7.67 (0.07)	7.47 (0.02)
MnO	0.32 (0.01)	0.36 (0.01)	0.37 (0.01)	0.30 (0.01)	0.34 (0.01)
MgO	20.33 (0.14)	20.22 (0.06)	20.51 (0.21)	20.00 (0.05)	20.68 (0.10)
CaO	5.05 (0.06)	4.83 (0.03)	4.79 (0.01)	5.46 (0.08)	4.54 (0.11)
Na_2O	0.05 (0.01)	0.05 (0.00)	0.04 (0.01)	0.03 (0.00)	0.05 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.79 (0.29)	100.23 (0.15)	100.41 (0.21)	100.11 (0.14)	99.91 (0.12)

Sample	LP12	DkP1	DkP2	DkP3	DkP4
G-Class	G9	G9	G9	G11	G9
S-Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite
n	3	3	3	3	3
SiO_2	42.02 (0.06)	41.90 (0.14)	41.73 (0.09)	40.84 (0.13)	41.60 (0.08)
TiO_2	0.16 (0.00)	0.13 (0.01)	0.18 (0.00)	0.48 (0.06)	0.28 (0.01)
Al_2O_3	20.54 (0.05)	19.35 (0.10)	19.45 (0.02)	15.40 (0.46)	19.78 (0.03)
Cr_2O_3	3.99 (0.03)	5.14 (0.13)	5.22 (0.04)	9.63 (0.51)	4.73 (0.02)
FeO	7.57 (0.01)	7.49 (0.08)	7.49 (0.09)	7.54 (0.08)	7.22 (0.03)
MnO	0.35 (0.01)	0.31 (0.01)	0.33 (0.01)	0.33 (0.01)	0.33 (0.01)
MgO	20.39 (0.04)	20.18 (0.03)	20.18 (0.07)	18.71 (0.16)	20.57 (0.07)
CaO	4.82 (0.04)	5.34 (0.05)	5.32 (0.03)	6.66 (0.15)	4.96 (0.02)
Na_2O	<0.03	<0.03	<0.03	0.03 (0.00)	0.04 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.90 (0.07)	99.91 (0.26)	99.96 (0.19)	99.67 (0.13)	99.54 (0.17)

Table 2 (continued).

Sample	DkP5	DkP6	DkP7	DkP8	DkP9
G-Class	G11	G10D	G9	G9	G9
S-Class	Harzburgite	Harzburgite	Lherzolite	Lherzolite	Lherzolite
n	3	3	3	3	3
SiO_2	41.63 (0.09)	41.63 (0.19)	41.48 (0.20)	41.58 (0.03)	41.90 (0.11)
TiO_2	0.36 (0.02)	0.07 (0.00)	0.21 (0.01)	0.29 (0.00)	0.13 (0.01)
Al_2O_3	17.37 (0.07)	18.62 (0.04)	17.16 (0.07)	19.00 (0.05)	20.31 (0.07)
Cr_2O_3	7.69 (0.12)	6.58 (0.07)	7.88 (0.07)	5.97 (0.10)	3.98 (0.09)
FeO	6.60 (0.01)	6.63 (0.06)	6.91 (0.01)	7.30 (0.02)	7.18 (0.02)
MnO	0.28 (0.01)	0.28 (0.01)	0.29 (0.01)	0.36 (0.01)	0.29 (0.01)
MgO	20.91 (0.07)	21.12 (0.08)	19.75 (0.16)	20.20 (0.06)	21.02 (0.08)
CaO	4.73 (0.07)	4.58 (0.05)	6.01 (0.06)	5.28 (0.01)	4.59 (0.06)
Na_2O	0.05 (0.01)	0.14 (0.21)	0.03 (0.01)	0.04 (0.01)	0.04 (0.00)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.69 (0.23)	99.69 (0.02)	99.77 (0.30)	100.06 (0.08)	99.48 (0.18)

Sample	DkP10	DkP11	DkP12	LPp1	LPp2
G-Class	G9	G9	G9	G9	G9
S-Class	Lherzolite	Lherzolite	Lherzolite	Harzburgite	Lherzolite
n	3	3	3	3	3
SiO_2	41.30 (0.18)	41.53 (0.03)	40.99 (0.14)	41.03 (0.06)	41.72 (0.06)
TiO_2	0.10 (0.00)	0.23 (0.01)	0.06 (0.01)	0.08 (0.01)	0.09 (0.01)
Al_2O_3	18.63 (0.10)	18.82 (0.11)	18.64 (0.05)	15.70 (0.18)	19.75 (0.09)
Cr_2O_3	6.42 (0.08)	6.14 (0.20)	6.38 (0.12)	10.35 (0.12)	4.87 (0.09)
FeO	7.55 (0.12)	6.29 (0.06)	8.40 (0.15)	7.05 (0.04)	7.55 (0.15)
MnO	0.37 (0.01)	0.28 (0.01)	0.44 (0.01)	0.37 (0.01)	0.33 (0.01)
MgO	19.45 (0.02)	20.10 (0.12)	18.38 (0.04)	19.19 (0.06)	20.41 (0.09)
CaO	5.75 (0.02)	6.15 (0.07)	6.51 (0.09)	6.00 (0.04)	5.07 (0.04)
Na_2O	<0.03	0.03 (0.00)	<0.03	<0.03	<0.03
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.64 (0.13)	99.60 (0.11)	99.86 (0.25)	99.85 (0.13)	99.87 (0.20)

Table 2 (continued).

Sample	LPp3	LPp4	LPp5	LPp6	LPp7
G-Class	G11	G10	G10	G10D	G10D
S-Class	Lherzolite	Harzburgite	Harzburgite	Harzburgite	Harzburgite
n	3	3	3	2	3
SiO_2	41.27 (0.16)	42.16 (0.09)	41.44 (0.12)	42.02 (0.33)	42.87 (0.10)
TiO_2	0.47 (0.02)	<0.02	<0.02	0.03 (0.01)	0.04 (0.01)
Al_2O_3	17.21 (0.07)	20.21 (0.09)	18.73 (0.15)	17.41 (0.62)	21.26 (0.08)
Cr_2O_3	7.72 (0.03)	5.22 (0.10)	6.81 (0.18)	9.10 (0.57)	3.97 (0.08)
FeO	7.59 (0.10)	7.53 (0.12)	8.02 (0.08)	6.93 (0.04)	6.98 (0.04)
MnO	0.35 (0.01)	0.39 (0.01)	0.43 (0.03)	0.36 (0.01)	0.31 (0.01)
MgO	19.19 (0.04)	22.89 (0.11)	20.63 (0.26)	21.39 (0.35)	22.28 (0.11)
CaO	6.10 (0.05)	1.39 (0.02)	3.78 (0.16)	3.78 (0.33)	3.16 (0.03)
Na_2O	0.05 (0.01)	<0.03	<0.03	<0.03	<0.03
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	100.00 (0.11)	99.86 (0.15)	99.90 (0.18)	101.07 (0.44)	100.90 (0.11)

Sample	LPp8	LPp9	LPp10	LPp11	LPp12
G-Class	G9	G9	G9	G10D	G10D
S-Class	Lherzolite	Lherzolite	Lherzolite	Harzburgite	Harzburgite
n	3	3	3	3	3
SiO_2	42.16 (0.03)	42.37 (0.15)	41.87 (0.18)	41.82 (0.03)	42.88 (0.12)
TiO_2	0.05 (0.01)	0.03 (0.00)	0.29 (0.01)	0.03 (0.01)	0.07 (0.02)
Al_2O_3	19.64 (0.08)	20.78 (0.05)	17.64 (0.01)	17.45 (0.01)	22.48 (0.13)
Cr_2O_3	5.69 (0.09)	4.11 (0.13)	7.87 (0.02)	8.49 (0.13)	2.11 (0.25)
FeO	7.36 (0.02)	7.05 (0.02)	6.79 (0.10)	7.08 (0.07)	5.72 (0.02)
MnO	0.38 (0.02)	0.33 (0.01)	0.30 (0.01)	0.34 (0.01)	0.27 (0.01)
MgO	19.83 (0.02)	20.68 (0.12)	19.72 (0.05)	20.57 (0.08)	22.40 (0.10)
CaO	5.65 (0.05)	4.91 (0.03)	5.93 (0.04)	4.36 (0.04)	3.83 (0.09)
Na_2O	<0.03	<0.03	0.03 (0.00)	<0.03	<0.03
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	100.83 (0.02)	100.29 (0.21)	100.51 (0.18)	100.18 (0.22)	99.80 (0.09)

Table 2 (continued).

Sample	LPp13	LPp14	LPp15	LPp16	LPp17
G-Class	G9	G9	G9	G9	G10D
S-Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Harzburgite
n	3	3	3	3	3
SiO_2	42.28 (0.08)	42.14 (0.11)	41.30 (0.10)	41.77 (0.15)	41.44 (0.06)
TiO_2	0.11 (0.00)	0.30 (0.00)	0.24 (0.02)	0.09 (0.00)	0.02 (0.01)
Al_2O_3	21.06 (0.06)	19.31 (0.25)	16.76 (0.20)	17.10 (0.10)	17.71 (0.22)
Cr_2O_3	3.67 (0.09)	5.44 (0.24)	9.02 (0.21)	8.42 (0.05)	7.96 (0.05)
FeO	7.81 (0.02)	7.13 (0.07)	8.28 (0.06)	6.82 (0.02)	7.02 (0.02)
MnO	0.35 (0.00)	0.32 (0.01)	0.51 (0.01)	0.29 (0.00)	0.34 (0.01)
MgO	20.16 (0.06)	20.22 (0.07)	18.11 (0.13)	19.58 (0.12)	20.03 (0.05)
CaO	4.75 (0.05)	5.32 (0.12)	6.31 (0.11)	6.25 (0.02)	5.15 (0.04)
Na_2O	0.03 (0.00)	0.04 (0.01)	0.06 (0.00)	<0.03	0.03 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	100.24 (0.03)	100.26 (0.08)	100.64 (0.13)	100.39 (0.23)	99.75 (0.24)

Sample	MPp1	MPp2	MPp3	MPp4	MPp5
G-Class	G10D	G10	G10D	G9	G10D
S-Class	Harzburgite	Harzburgite	Harzburgite	Lherzolite	Harzburgite
n	3	3	3	3	3
SiO_2	42.15 (0.20)	42.25 (0.03)	42.08 (0.07)	41.88 (0.12)	41.56 (0.03)
TiO_2	<0.02	0.02 (0.00)	0.03 (0.00)	<0.02	0.04 (0.01)
Al_2O_3	18.37 (0.15)	19.37 (0.09)	18.17 (0.16)	19.13 (0.09)	17.59 (0.11)
Cr_2O_3	7.66 (0.09)	6.40 (0.16)	7.75 (0.27)	6.19 (0.06)	8.03 (0.12)
FeO	8.05 (0.06)	8.37 (0.04)	6.81 (0.12)	7.18 (0.06)	7.27 (0.09)
MnO	0.46 (0.01)	0.46 (0.03)	0.33 (0.00)	0.36 (0.01)	0.36 (0.00)
MgO	21.82 (0.18)	20.65 (0.20)	20.90 (0.07)	19.93 (0.04)	20.04 (0.12)
CaO	2.24 (0.16)	3.50 (0.23)	4.54 (0.07)	5.60 (0.01)	5.03 (0.01)
Na_2O	<0.03	<0.03	<0.03	<0.03	0.03 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	100.80 (0.28)	101.07 (0.09)	100.66 (0.04)	100.36 (0.24)	100.00 (0.09)

Table 2 (continued).

Sample	MPp6	MPp7	MPp8	MPp9	MPp10
G-Class	G10D	G10	G10D	G9	G10D
S-Class	Harzburgite	Harzburgite	Harzburgite	Lherzolite	Harzburgite
n	3	3	3	3	3
SiO_2	41.63 (0.07)	41.62 (0.07)	41.87 (0.17)	41.83 (0.05)	41.65 (0.01)
TiO_2	<0.02	0.02 (0.00)	<0.02	<0.02	<0.02
Al_2O_3	17.11 (0.05)	18.89 (0.06)	18.10 (0.07)	20.64 (0.19)	17.19 (0.28)
Cr_2O_3	9.23 (0.07)	6.72 (0.03)	8.10 (0.06)	4.18 (0.07)	8.92 (0.30)
FeO	7.70 (0.12)	8.37 (0.03)	7.46 (0.08)	8.65 (0.04)	7.28 (0.05)
MnO	0.40 (0.01)	0.51 (0.01)	0.42 (0.01)	0.42 (0.00)	0.38 (0.01)
MgO	21.49 (0.04)	20.18 (0.04)	22.28 (0.09)	19.47 (0.12)	21.45 (0.20)
CaO	2.66 (0.06)	3.83 (0.08)	1.84 (0.04)	5.16 (0.03)	3.32 (0.12)
Na_2O	<0.03	<0.03	<0.03	<0.03	<0.03
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	100.28 (0.16)	100.20 (0.06)	100.11 (0.31)	100.40 (0.33)	100.26 (0.19)

Sample	DPp1	DPp2	DPp3	DPp4	DPp5
G-Class	G10D	G9	G9	G10D	G9
S-Class	Harzburgite	Lherzolite	Lherzolite	Harzburgite	Lherzolite
n	3	3	3	3	3
SiO_2	41.59 (0.29)	41.39 (0.09)	41.74 (0.11)	41.39 (0.15)	41.34 (0.14)
TiO_2	0.07 (0.01)	0.35 (0.07)	0.05 (0.00)	0.10 (0.01)	0.21 (0.03)
Al_2O_3	18.01 (0.23)	17.93 (0.35)	18.92 (0.06)	17.05 (0.04)	17.31 (0.10)
Cr_2O_3	7.29 (0.09)	7.15 (0.23)	6.32 (0.08)	8.66 (0.04)	8.20 (0.08)
FeO	6.76 (0.04)	6.95 (0.04)	7.44 (0.06)	6.97 (0.07)	7.30 (0.11)
MnO	0.31 (0.02)	0.34 (0.01)	0.36 (0.02)	0.31 (0.01)	0.37 (0.03)
MgO	20.33 (0.16)	19.83 (0.38)	19.45 (0.11)	20.11 (0.03)	19.03 (0.11)
CaO	5.04 (0.08)	5.75 (0.43)	5.68 (0.03)	5.04 (0.06)	6.11 (0.04)
Na_2O	0.03 (0.01)	0.06 (0.02)	<0.03	<0.03	0.04 (0.00)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99.47 (0.22)	99.79 (0.03)	100.02 (0.15)	99.71 (0.24)	99.95 (0.22)

Table 2 (continued).

Sample	DPp6	DPp7	DPp8	DPp9	DPp10
G-Class	G9	G9	G10	G10D	G9
S-Class	Lherzolite	Lherzolite	Harzburgite	Harzburgite	Lherzolite
n	3	3	3	3	3
SiO_2	41.67 (0.05)	41.65 (0.16)	41.87 (0.04)	41.37 (0.09)	41.32 (0.11)
TiO_2	0.23 (0.01)	0.08 (0.01)	<0.02	0.05 (0.01)	0.10 (0.02)
Al_2O_3	15.33 (0.07)	16.39 (0.28)	18.6 (0.03)	16.1 (0.06)	16.05 (0.28)
Cr_2O_3	10.84 (0.05)	9.94 (0.42)	7.11 (0.06)	10.24 (0.13)	10.01 (0.14)
FeO	6.62 (0.05)	7.36 (0.03)	8.51 (0.16)	7.04 (0.08)	7.37 (0.03)
MnO	0.31 (0.01)	0.38 (0.00)	0.48 (0.01)	0.37 (0.01)	0.37 (0.01)
MgO	19.22 (0.12)	18.79 (0.20)	19.23 (0.21)	19.67 (0.15)	18.18 (0.17)
CaO	6.71 (0.06)	6.23 (0.15)	4.92 (0.33)	5.32 (0.06)	6.98 (0.03)
Na_2O	0.03 (0.00)	<0.03	<0.03	<0.03	0.05 (0.06)
K_2O	<0.02	<0.02	<0.02	<0.02	0.02 (0.03)
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	100.99 (0.20)	100.90 (0.23)	100.79 (0.15)	100.22 (0.28)	100.51 (0.21)

Sample	DPp11	DPp12	DPp13	DPp14	DPp15
G-Class	G9	G9	G12	G9	G9
S-Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite
n	3	3	3	3	3
SiO_2	41.16 (0.10)	41.12 (0.05)	39.48 (0.12)	41.42 (0.04)	41.37 (0.17)
TiO_2	0.08 (0.00)	0.03 (0.01)	0.12 (0.01)	<0.02	0.18 (0.03)
Al_2O_3	15.79 (0.22)	16.14 (0.11)	12.04 (0.17)	18.18 (0.17)	17.30 (0.22)
Cr_2O_3	10.23 (0.17)	9.94 (0.12)	13.68 (0.16)	7.48 (0.08)	8.43 (0.07)
FeO	7.24 (0.05)	7.22 (0.05)	12.49 (0.04)	7.30 (0.06)	8.03 (0.05)
MnO	0.35 (0.02)	0.38 (0.02)	0.63 (0.00)	0.35 (0.02)	0.49 (0.01)
MgO	18.32 (0.20)	18.18 (0.09)	12.87 (0.15)	18.51 (0.10)	18.46 (0.08)
CaO	6.80 (0.12)	7.02 (0.07)	9.56 (0.06)	6.69 (0.09)	5.95 (0.03)
Na_2O	<0.03	<0.03	<0.03	<0.03	0.04 (0.01)
K_2O	<0.02	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.	n.d.
Total	100.05 (0.23)	100.09 (0.06)	100.94 (0.19)	99.98 (0.14)	100.29 (0.31)

Table 2 (continued).

Sample	DPp16	DPp17	DPp18	DPp19
G-Class	G9	G10D	G10D	G10D
S-Class	Lherzolite	Harzburgite	Harzburgite	Harzburgite
n	3	3	3	3
SiO_2	41.48 (0.03)	41.44 (0.06)	41.56 (0.11)	41.39 (0.11)
TiO_2	0.15 (0.01)	0.02 (0.01)	0.08 (0.00)	0.12 (0.00)
Al_2O_3	15.48 (0.10)	17.71 (0.22)	16.57 (0.12)	14.85 (0.04)
Cr_2O_3	10.12 (0.06)	7.96 (0.05)	9.53 (0.12)	11.45 (0.06)
FeO	7.32 (0.05)	7.02 (0.02)	7.07 (0.03)	7.09 (0.08)
MnO	0.31 (0.01)	0.34 (0.01)	0.33 (0.01)	0.30 (0.01)
MgO	18.96 (0.05)	20.03 (0.05)	19.79 (0.08)	19.59 (0.08)
CaO	6.35 (0.03)	5.15 (0.04)	5.46 (0.08)	5.78 (0.09)
Na_2O	0.03 (0.00)	0.03 (0.01)	<0.03	<0.03
K_2O	<0.02	<0.02	<0.02	<0.02
P_2O_5	n.d.	n.d.	n.d.	n.d.
Total	100.27 (0.23)	99.75 (0.24)	100.48 (0.05)	100.64 (0.22)

Table 3. Trace element compositions of garnets (ppm wt.)

Sample	LO1	LO2	LO5	MLO2	MLO3	MLO4	MDO1	MDO2	MDO4
G-Class	G3D	G1	G3	G4	G4	G4	G4D	G3	G3
S- Class	Eclogite C	Megacryst	Eclogite B	Eclogite B	Eclogite A	Eclogite A	Eclogite A	Eclogite B	Eclogite B
Sc	23.4	46.8	31.1	41.2	52.2	42.8	37.9	45.7	37.0
Ti	150	459	188	135	247	342	389	273	151
V	55.3	185	59.0	77.7	102	116	125	128	123
Ni	3.7	52.5	22.5	19.6	7.2	37.3	38.4	24.7	4.3
Ga	6.8	11.4	7.7	7.3	9.7	8.7	12.3	9.0	9.9
Sr	5.4	0.41	1.3	1.0	0.51	0.49	0.61	5.3	1.2
Y	25.6	7.6	5.6	16.3	24.3	14.2	15.6	21.7	24.5
Zr	26.4	16.6	6.7	19.3	24.7	34.1	33.3	10.1	14.6
Nb	0.97	0.26	0.05	0.05	0.02	0.31	0.18	1.3	0.02
La	1.2	0.04	0.15	0.00	0.01	0.20	0.06	0.73	0.01
Ce	2.0	0.21	0.39	0.06	0.22	0.38	0.22	1.4	0.07
Pr	0.26	0.08	0.16	0.03	0.02	0.09	0.06	0.20	0.05
Nd	1.5	0.62	1.6	0.58	0.32	0.86	0.64	1.7	1.0
Sm	2.6	0.46	1.1	0.84	0.47	0.70	0.73	1.3	1.9
Eu	1.4	0.22	0.53	0.56	0.26	0.30	0.36	0.71	1.1
Gd	3.5	0.68	1.0	2.2	1.5	1.5	1.3	2.1	3.5
Tb	0.62	0.19	0.17	0.46	0.44	0.31	0.33	0.46	0.62
Dy	4.6	1.4	1.1	3.5	3.9	2.6	2.6	3.7	4.9
Ho	1.0	0.35	0.24	0.67	0.98	0.58	0.59	0.87	0.99
Er	2.9	0.97	0.66	1.9	3.1	1.9	1.6	2.7	2.6
Tm	0.45	0.16	0.08	0.25	0.48	0.24	0.28	0.43	0.40
Yb	3.5	1.1	0.82	1.6	3.7	2.0	2.0	3.4	3.1
Lu	0.51	0.19	0.12	0.24	0.58	0.26	0.26	0.59	0.41
Hf	0.46	0.49	0.19	0.18	0.51	0.97	0.66	0.25	0.18
Th	3.6	0.60	0.26	0.03	2.7	0.01	0.08	0.19	0.11
U	0.75	0.05	0.84	0.04	0.01	0.01	0.01	0.02	0.08
T_{Ni} (°C)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.

Table 3 (continued)

Sample	DkO2	DkO4	DkO5	LOR2	LOR4	LOR5	DkOR3	DkOR4	DkOR5
G-Class	G4D	G3	G4D	G4	G4	G4	G4	G4	G1
S- Class	Eclogite A	Eclogite B	Eclogite A	Eclogite A	Eclogite A	Eclogite A	Eclogite A	Eclogite A	Lherzolite
Sc	38.2	53.9	59.6	51.8	62.7	54.8	46.7	61.1	55.8
Ti	534	234	504	479	248	420	354	464	474
V	171	186	300	119	77.5	187	119	168	143
Ni	32.9	13.6	37.7	25.7	17.6	33.5	35.9	28.0	33.3
Ga	13.1	13.2	14.2	6.9	8.3	17.3	9.0	14.8	15.4
Sr	0.61	3.6	1.6	8.2	7.6	0.85	0.92	2.6	0.91
Y	27.3	30.7	41.8	30.0	33.2	24.0	14.7	23.7	32.4
Zr	23.8	8.7	30.0	55.3	46.4	40.7	35.3	47.9	55.5
Nb	0.24	0.58	1.0	0.22	0.20	0.45	0.30	0.30	0.34
La	0.04	0.66	0.22	0.03	0.19	0.06	0.02	0.05	0.12
Ce	0.20	1.4	0.54	0.12	0.81	0.31	0.24	0.38	0.33
Pr	0.11	0.25	0.11	0.08	0.54	0.10	0.09	0.11	0.06
Nd	0.74	1.2	0.95	1.1	0.68	0.86	0.99	0.97	0.80
Sm	0.48	1.2	0.84	1.0	0.82	0.70	0.74	0.93	0.81
Eu	0.37	0.73	0.48	0.42	0.54	0.38	0.36	0.53	0.62
Gd	1.5	2.8	2.3	2.2	2.0	1.9	1.4	2.5	2.5
Tb	0.50	0.64	0.67	0.51	0.60	0.48	0.27	0.56	0.76
Dy	4.3	5.5	6.2	4.6	5.3	4.5	2.6	4.4	5.9
Ho	1.0	1.2	1.6	1.2	1.3	0.99	0.63	0.95	1.4
Er	3.5	3.6	5.3	4.0	4.2	2.7	1.7	2.9	4.0
Tm	0.58	0.55	0.86	0.62	0.67	0.39	0.28	0.41	0.60
Yb	3.8	4.0	6.1	4.8	4.0	2.7	1.9	2.8	4.0
Lu	0.51	0.62	0.95	0.72	0.61	0.38	0.26	0.35	0.60
Hf	0.63	0.21	0.58	1.3	1.1	1.2	0.99	1.4	1.1
Th	0.76	0.44	0.88	0.30	1.9	0.11	4.1	0.26	0.08
U	0.23	0.02	0.04	0.01	1.5	0.31	0.04	0.01	0.02
T_{Ni} (°C)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.

Table 3 (continued).

Sample	RO2	RO3	RO4	LR1	LR4	LR5	DkR1	DkR3	DkR4
G-Class	G1	G9	G9	G9	G11	G1	G9	G9	G9
S- Class	Lherzolite	Lherzolite	Megacryst	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite
Sc	69.4	78.2	86.2	59.5	74.8	66.2	87.8	87.7	82.1
Ti	441	329	520	293	549	400	458	116	283
V	243	245	300	142	199	202	291	177	187
Ni	81.8	78.9	51.4	25.6	66.7	31.1	48.6	47.8	44.0
Ga	14.3	11.2	15.2	8.8	10.7	9.9	14.3	8.3	10.1
Sr	1.1	0.43	0.39	2.6	0.95	0.52	2.0	0.62	2.5
Y	14.8	8.0	17.0	15.6	14.1	18.7	16.5	14.6	18.5
Zr	27.6	25.3	26.3	21.2	40.7	31.6	50.8	11.0	29.1
Nb	0.71	0.49	0.41	0.68	0.96	0.55	0.61	0.63	1.8
La	0.03	0.05	0.02	0.07	0.04	0.04	0.02	0.07	0.13
Ce	0.48	0.29	0.21	0.56	0.40	0.15	0.43	0.43	0.92
Pr	0.34	0.11	0.08	0.13	0.15	0.05	0.13	0.23	0.20
Nd	0.96	0.92	0.69	0.16	1.2	0.46	1.0	0.93	1.2
Sm	0.43	0.66	0.69	0.48	0.95	0.51	0.91	0.40	0.87
Eu	1.5	0.27	0.38	0.33	0.40	0.34	0.54	0.23	0.44
Gd	1.0	0.97	1.1	0.98	1.3	1.4	2.2	0.90	1.5
Tb	0.27	0.19	0.31	0.28	0.32	0.39	0.46	0.25	0.39
Dy	2.4	1.6	2.9	2.4	2.2	3.5	3.2	2.1	3.0
Ho	0.58	0.31	0.69	0.59	0.53	0.75	0.72	0.52	0.73
Er	1.9	0.94	2.4	1.8	1.6	2.2	1.8	2.1	2.4
Tm	0.35	0.18	0.40	0.35	0.27	0.34	0.27	0.38	0.73
Yb	2.2	1.2	3.0	2.1	1.8	2.4	2.0	2.6	2.6
Lu	0.38	0.15	0.48	0.35	0.31	0.37	0.24	0.44	0.44
Hf	0.77	0.81	0.83	0.45	1.3	0.68	1.5	0.28	0.58
Th	3.0	1.3	0.49	4.4	1.9	0.21	0.21	0.44	0.45
U	1.2	0.14	0.01	0.39	0.02	0.03	0.09	0.45	2.7
T_{Ni} (°C)	n.d.	1157	1064	935	1119	n.d.	1052	1049	1033

Table 3 (continued)

Sample	DpR1	DpR2	DpR3	DpR5	RP1	RP2	RP3	RP5	LP2
G-Class	G11	G9	G9	G11	G9	G9	G9	G9	G9
S- Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Harzburgite
Sc	109	135	117	122	95.5	115	83.4	74.3	238
Ti	658	119	286	379	341	161	328	201	105
V	355	245	362	278	351	198	279	155	85.6
Ni	53.1	44.2	56.3	47.6	79.8	112	62.9	31.2	29.2
Ga	10.2	5.2	4.4	13.6	11.1	10.7	11.8	6.6	1.0
Sr	3.7	7.1	0.98	3.7	2.0	0.42	0.40	6.7	0.23
Y	16.5	4.1	5.7	9.7	11.1	7.8	13.3	8.8	4.7
Zr	39.4	16.7	35.8	30.9	19.4	17.6	18.9	18.5	42.6
Nb	2.3	1.0	1.9	1.2	1.5	0.70	0.83	0.59	0.82
La	0.75	0.09	0.10	0.20	0.13	0.10	0.03	0.14	0.01
Ce	2.0	0.53	0.91	1.5	0.70	0.77	0.35	0.79	0.15
Pr	0.35	0.30	0.28	1.0	0.17	0.18	0.12	0.16	0.08
Nd	2.3	2.5	2.6	1.5	1.1	1.6	0.95	1.1	0.78
Sm	1.6	0.84	1.4	1.3	0.52	0.72	0.76	0.51	0.80
Eu	0.77	0.18	0.67	0.80	0.30	0.34	0.31	0.34	0.35
Gd	2.2	0.80	1.4	1.8	1.4	1.0	1.2	1.0	1.1
Tb	0.50	0.11	0.27	0.69	0.26	0.21	0.30	0.21	0.21
Dy	3.5	0.72	1.3	2.0	2.0	1.3	2.2	1.5	1.2
Ho	0.71	0.19	0.24	0.40	0.42	0.37	0.50	0.41	0.18
Er	2.0	0.49	0.61	1.3	1.5	0.78	1.5	0.97	0.41
Tm	0.24	0.10	0.12	0.22	0.20	0.19	0.32	0.15	0.07
Yb	1.7	0.80	0.73	1.8	1.4	1.1	1.8	0.91	0.59
Lu	0.27	0.17	0.09	0.29	0.23	0.21	0.26	0.22	0.19
Hf	1.1	0.55	1.1	0.65	0.69	0.34	0.48	0.47	1.1
Th	0.22	2.2	0.05	9.0	1.0	3.5	0.32	4.0	0.01
U	0.04	0.05	0.18	4.0	0.25	0.28	0.66	0.66	0.01
T_{Ni} (°C)	1070	1033	1082	1048	1159	1243	1106	969	958

Table 3 (continued).

Sample	LP3	LP4	DkP1	DkP2	DkP4	DkP5	LPp4	LPp5	LPp7
G-Class	G9	G9	G9	G9	G9	G11	G10	G10	G10D
S- Class	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Lherzolite	Harzburgite	Harzburgite	Harzburgite	Harzburgite
Sc	75.7	83.6	79.2	82.5	72.0	101	89.2	198	72.0
Ti	264	114	113	183	251	272	15.8	16.8	42.4
V	154	168	240	237	206	132	214	205	177
Ni	26.3	25.4	41.4	36.0	37.4	24.9	16.6	13.2	31.1
Ga	6.7	6.0	7.8	7.9	7.3	4.0	5.5	2.4	6.2
Sr	0.54	0.21	0.23	0.49	0.78	2.1	4.3	3.1	1.2
Y	13.8	11.2	8.3	10.2	12.4	9.5	0.99	1.7	4.6
Zr	24.6	6.8	6.7	28.6	22.8	44.4	7.5	4.1	3.0
Nb	0.93	1.1	1.6	1.3	1.0	0.99	1.0	2.1	0.88
La	0.02	0.04	0.05	0.02	0.02	0.09	0.24	0.83	0.08
Ce	0.31	0.48	0.36	0.54	0.28	0.59	3.5	3.2	0.48
Pr	0.13	0.09	0.08	0.21	0.14	0.31	0.67	0.48	0.09
Nd	1.1	0.48	0.63	1.8	1.0	3.1	3.4	2.3	0.94
Sm	0.69	0.22	0.21	0.80	0.49	1.6	0.55	0.74	0.25
Eu	0.32	0.16	0.11	0.42	0.28	0.53	0.19	0.22	0.09
Gd	1.0	0.77	0.42	1.2	1.1	2.4	0.45	0.50	0.23
Tb	0.26	0.19	0.11	0.25	0.26	0.32	0.05	0.04	0.03
Dy	2.2	1.6	1.1	2.0	2.0	2.1	0.18	0.38	0.34
Ho	0.48	0.44	0.36	0.39	0.44	0.37	0.05	0.08	0.18
Er	1.5	1.5	1.1	1.2	1.6	0.88	0.12	0.22	0.66
Tm	0.24	0.25	0.18	0.19	0.24	0.12	0.04	0.03	0.16
Yb	1.8	2.0	1.5	1.4	1.9	1.0	0.49	0.48	1.3
Lu	0.29	0.27	0.24	0.24	0.23	0.19	0.10	0.12	0.26
Hf	0.53	0.20	0.27	0.65	0.54	1.4	0.14	0.04	0.09
Th	0.00	0.03	2.3	0.00	0.45	7.7	0.11	0.08	0.19
U	0.01	0.08	0.02	0.04	0.06	0.01	1.9	0.30	0.08
T_{Ni} (°C)	939	934	1021	995	1002	931	867	834	969

Table 3 (continued)

Sample	LPp8	LPp16	LPp17	MPp2	DPp1	DPp3	DPp6	DPp7
G-Class	G9	G9	G10D	G10	G10D	G9	G9	G9
S- Class	Lherzolite	Lherzolite	Harzburgite	Harzburgite	Harzburgite	Lherzolite	Lherzolite	Lherzolite
Sc	102	92.2	89.4	196	104	91.4	148	135
Ti	62.7	94.4	42.1	29.5	81.8	52.2	215	94.0
V	262	330	231	153	219	185	187	216
Ni	34.8	48.4	28.9	9.1	33.8	23.0	58.7	23.6
Ga	6.5	5.4	3.1	1.5	3.9	3.3	2.4	5.0
Sr	1.0	0.91	2.5	0.81	1.2	0.64	1.2	1.5
Y	3.2	1.6	1.4	1.4	2.2	3.0	6.1	4.0
Zr	4.1	10.7	15.5	23.2	7.1	10.8	37.3	24.9
Nb	1.8	2.1	2.6	0.88	1.6	0.79	1.8	1.5
La	0.31	0.11	0.41	0.17	0.14	0.26	0.14	0.49
Ce	0.93	1.4	1.1	1.4	0.79	1.4	0.98	2.7
Pr	0.17	0.47	0.40	0.70	0.25	0.52	0.38	0.76
Nd	0.76	3.0	4.9	5.6	1.8	3.3	3.2	4.7
Sm	0.35	0.46	1.3	0.61	0.44	0.93	2.1	1.4
Eu	0.09	0.15	0.34	0.16	0.19	0.27	0.82	0.51
Gd	0.35	0.44	0.87	0.55	0.47	0.65	2.2	1.5
Tb	0.05	0.07	0.11	0.07	0.06	0.09	0.35	0.19
Dy	0.54	0.38	0.44	0.34	0.36	0.48	1.6	1.3
Ho	0.12	0.05	0.04	0.06	0.08	0.10	0.28	0.20
Er	0.39	0.17	0.13	0.14	0.27	0.28	0.55	0.31
Tm	0.08	0.05	0.03	0.01	0.05	0.05	0.08	0.07
Yb	0.70	0.36	0.31	0.29	0.58	0.51	0.31	0.31
Lu	0.13	0.04	0.05	0.06	0.13	0.08	0.07	0.09
Hf	0.07	0.15	0.34	0.59	0.17	0.19	0.94	0.49
Th	0.14	0.11	0.21	0.04	0.03	0.08	0.03	0.25
U	0.10	0.07	0.06	0.08	0.03	0.35	0.11	0.15
T_{Ni} (°C)	988	1051	956	784	983	918	1091	922

Table 3 (continued).

Sample	DPp16	DPp17
G-Class	G9	G10D
S- Class	Lherzolite	Harzburgite
Sc	120	102
Ti	153	124
V	368	230
Ni	48.0	34.7
Ga	8.9	4.8
Sr	0.47	2.7
Y	1.6	3.0
Zr	11.4	31.2
Nb	2.5	2.4
La	0.11	0.36
Ce	0.89	1.5
Pr	0.23	0.51
Nd	1.7	4.4
Sm	0.51	2.4
Eu	0.15	0.71
Gd	0.42	2.1
Tb	0.05	0.17
Dy	0.37	0.74
Ho	0.07	0.11
Er	0.22	0.21
Tm	0.05	0.02
Yb	0.29	0.25
Lu	0.06	0.05
Hf	0.26	0.68
Th	7.0	0.06
U	0.03	0.07
T_{Ni} (°C)	1050	988