

File DR1. Garnet dissolution calculations following Kohn and Spear (2000)

Measurements and calculations for sample GP-5

Garnet mode = 10%

Biotite mode = 20%

Biotite Fe/(Fe + Mg) (matrix) = $1.193/(1.193 + 1.062) = 0.529$

X_{Sps} at Mn trough = 0.039

X_{Alm} at trough = 0.73

X_{Prp} at trough = 0.20

Present area of analyzed garnet: 3.8 mm^2

Present volume of analyzed garnet (assuming spherical geometry): 5.6 mm^3

Radius of garnet: 1.1 mm

Area of garnet with increased Mn: 1.37 mm^2

Volume of garnet rim with increased Mn: 2.72 mm^3

Average X_{Sps} between trough and edge: 0.0507 (0.0117 excess relative to trough)

Volume of dissolved garnet: $2.75 \text{ mm}^3 \times 0.0117/0.039 = 0.816 \text{ mm}^3$ (~1.5 volume %)

Original volume of garnet: 6.4 mm^3

Original radius of garnet: 1.15 mm

Grt Fe concentration: $0.73 \times 0.0261 = 0.019053$

Grt Mg concentration: $0.20 \times 0.0261 = 0.00522$

Bt Fe concentration: $1.193 \times 0.0197/3 = 0.007834$

Bt Mg concentration: $1.062 \times 0.0197/3 = 0.006974$

Bt Fe (moles, final) = $0.007834 \times 0.20 = 0.001567 \text{ mol/cm}^3$ of rock

Bt Mg (moles, final) = $0.006974 \times 0.20 = 0.001395 \text{ mol/cm}^3$ of rock

Grt Fe (moles, added by dissolution) = $0.019053 \times 0.015 = 2.789 \times 10^{-4} \text{ mol/cm}^3$ of rock

Grt Mg (moles, added by dissolution) = $0.00522 \times 0.015 = 7.642 \times 10^{-5} \text{ mol/cm}^3$ of rock

Bt Fe (moles, original) = $0.001567 - 2.789 \times 10^{-4} = 1.288 \times 10^{-3}$

Bt Mg (moles, original) = $0.001395 - 7.642 \times 10^{-5} = 1.127 \times 10^{-3}$

Bt Fe/(Fe + Mg) (original) = 0.494

Bt Fe (original) = 1.308 moles pfu

Bt Mg (original) = 1.338 moles pfu

*For typical garnets and biotites, the molar concentrations are approximately:

Garnet: 0.0261 mol/cm^3 , Biotite: 0.0197 mol/cm^3

Measurements and calculations for sample IG-7

Garnet mode = 12%

Biotite mode = 18%

Biotite Fe/(Fe + Mg) (matrix) = $1.378/(1.378 + 0.985) = 0.583$

X_{Sps} at Mn trough = 0.0312

X_{Alm} at trough = 0.617

X_{Prp} at trough = 0.11

Present area of analyzed garnet: 2.5 mm^2

Present volume of analyzed garnet (assuming spherical geometry): 3.05 mm^3

Radius of garnet: 0.9 mm

Area of garnet with increased Mn: 0.63 mm^2

Volume of garnet rim with increased Mn: 1.07 mm^3

Average X_{Sps} between trough and edge: 0.0409 (0.0097 excess relative to trough)

Volume of dissolved garnet: $1.07 \text{ mm}^3 \times 0.0097/0.0312 = 0.333 \text{ mm}^3$ (~1.3 volume %)

Original volume of garnet: 3.4 mm^3

Original radius of garnet: 0.93 mm

Grt Fe concentration: $0.617 \times 0.0261 = 0.01611$

Grt Mg concentration: $0.11 \times 0.0261 = 0.002816$

Bt Fe concentration: $1.378 \times 0.0197/3 = 0.009049$

Bt Mg concentration: $0.985 \times 0.0197/3 = 0.006466$

Bt Fe (moles, final) = $0.009049 \times 0.18 = 0.001629 \text{ mol/cm}^3$ of rock

Bt Mg (moles, final) = $0.006466 \times 0.18 = 0.001164 \text{ mol/cm}^3$ of rock

Grt Fe (moles, added by dissolution) = $0.01611 \times 0.013 = 2.11 \times 10^{-4} \text{ mol/cm}^3$ of rock

Grt Mg (moles, added by dissolution) = $0.002816 \times 0.013 = 3.68 \times 10^{-5} \text{ mol/cm}^3$ of rock

Bt Fe (moles, original) = $0.001629 - 2.11 \times 10^{-4} = 1.418 \times 10^{-3}$

Bt Mg (moles, original) = $0.001164 - 3.68 \times 10^{-5} = 1.127 \times 10^{-3}$

Bt Fe/(Fe + Mg) (original) = 0.557

Bt Fe (original) = 1.440 moles pfu

Bt Mg (original) = 1.144 moles pfu

Measurements and calculations for sample M(00)gs-149

Garnet mode = 8%

Biotite mode = 15%

Biotite Fe/(Fe + Mg) (matrix) = $1.030/(1.030 + 1.353) = 0.432$

X_{Sps} at Mn trough = 0.0132

X_{Alm} at trough = 0.574

X_{Prp} at trough = 0.21

Present area of analyzed garnet: 7.1 mm^2

Present volume of analyzed garnet (assuming spherical geometry): 14.1 mm^3

Radius of garnet: 1.5 mm

Area of garnet with increased Mn: 1.60 mm^2

Volume of garnet rim with increased Mn: 4.50 mm^3

Average X_{Sps} between trough and edge: 0.016 (0.0028 excess relative to trough)

Volume of dissolved garnet: $4.50 \text{ mm}^3 \times 0.0028/0.0132 = 0.940 \text{ mm}^3$ (~0.5 volume %)

Original volume of garnet: 15.1 mm^3

Original radius of garnet: 1.53 mm

Grt Fe concentration: $0.574 \times 0.0261 = 0.01611$

Grt Mg concentration: $0.21 \times 0.0261 = 0.002816$

Bt Fe concentration: $1.030 \times 0.0197/3 = 0.006765$

Bt Mg concentration: $1.062 \times 0.0197/3 = 0.008884$

Bt Fe (moles, final) = $0.006765 \times 0.15 = 0.001015 \text{ mol/cm}^3$ of rock

Bt Mg (moles, final) = $0.008884 \times 0.15 = 0.001333 \text{ mol/cm}^3$ of rock

Grt Fe (moles, added by dissolution) = $0.01611 \times 0.005 = 7.96 \times 10^{-5} \text{ mol/cm}^3$ of rock

Grt Mg (moles, added by dissolution) = $0.002816 \times 0.005 = 2.97 \times 10^{-5} \text{ mol/cm}^3$ of rock

Bt Fe (moles, original) = $0.001015 - 7.96 \times 10^{-5} = 9.352 \times 10^{-4}$

Bt Mg (moles, original) = $0.001333 - 2.97 \times 10^{-5} = 1.303 \times 10^{-3}$

Bt Fe/(Fe + Mg) (original) = 0.418

Bt Fe (original) = 0.949 moles pfu

Bt Mg (original) = 1.323 moles pfu

Table DR1. Compositional data for minerals used in thermobarometric calculations

	IG2A-gar1 rim	IG2A-plag	IG2A-bio	IG2A- amph	IG2A - gar 2	IG2A-gar 2-rim	IG2A - bio 2	IG2A-plag 2	IG2A - amph 2	IG2A-bio 3	IG2A- gar 3-rim	IG2A - plag 3	IG2A - amph 3	IG2A- cpx
SiO₂	38.67	51.61	35.66	40.27	37.93	38.00	34.14	60.67	42.18	35.39	37.13	58.59	40.75	52.91
TiO₂	0.03	0.02	4.68	1.77	0.04	0.09	1.13	0.02	1.89	4.06	0.05	0.00	2.07	0.35
Al₂O₃	21.30	30.88	14.81	10.49	20.89	20.50	15.10	24.82	10.72	14.76	20.49	25.03	13.04	0.63
FeO	25.62	0.44	22.96	20.70	24.96	25.00	21.39	0.09	20.34	22.34	26.06	0.13	17.10	10.77
MnO	1.30	0.01	0.25	0.47	2.83	1.70	0.11	0.00	0.50	0.23	2.70	0.03	0.10	0.23
Cr₂O₃	0.02	0.06	0.00	0.01	0.04	0.03	0.01	0.03	0.02	0.03	0.04	0.04	0.01	0.00
MgO	3.90	0.01	9.21	7.98	2.51	3.96	10.76	0.00	7.98	9.29	3.32	0.00	9.43	12.49
CaO	9.98	12.92	0.01	10.96	10.70	9.84	0.17	6.13	10.61	0.12	9.17	6.96	11.09	22.61
Na₂O	0.00	4.05	0.09	1.50	0.01	0.02	0.06	7.77	1.52	0.08	0.00	7.32	1.56	0.21
K₂O	0.01	0.10	9.56	1.20	0.00	0.00	8.54	0.51	1.02	9.45	0.00	0.45	1.63	0.01
Total	100.83	100.11	97.23	95.35	99.90	99.15	91.40	100.05	96.77	95.75	98.96	98.55	96.79	100.20
Si	3.01	2.34	2.73	6.37	3.01	3.02	2.75	2.70	6.51	2.74	2.98	2.66	6.22	1.99
Ti	0.00	0.00	0.27	0.21	0.00	0.01	0.07	0.00	0.22	0.24	0.00	0.00	0.24	0.01
Al	1.95	1.65	1.33	1.96	1.95	1.92	1.44	1.30	1.95	1.35	1.94	1.34	2.35	0.03
Fe	1.67	0.02	1.47	2.74	1.65	1.66	1.44	0.00	2.63	1.45	1.75	0.00	2.18	0.34
Mn	0.09	0.00	0.02	0.06	0.19	0.11	0.01	0.00	0.06	0.02	0.18	0.00	0.01	0.01
Cr	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
Mg	0.45	0.00	1.05	1.88	0.30	0.47	1.29	0.00	1.84	1.07	0.40	0.00	2.15	0.70
Ca	0.83	0.63	0.00	1.86	0.91	0.84	0.01	0.29	1.76	0.01	0.79	0.34	1.82	0.91
Na	0.00	0.36	0.01	0.46	0.00	0.00	0.01	0.67	0.45	0.01	0.00	0.64	0.46	0.02
K	0.00	0.01	0.93	0.24	0.00	0.00	0.88	0.03	0.20	0.93	0.00	0.03	0.32	0.00
Total	20.01	13.01	18.81	38.79	20.01	20.02	18.90	13.00	38.62	18.82	20.05	13.01	38.75	10.00

	BT13-gar 1 rim	BT13-bio 1	BT13-bio incl in gar 1	BT13-bio incl 2 in gar 1	BT13- gar 1 core	BT13- plag 1	BT13-bio 2	BT13-gar 2	BT13-bio incl. in gar 2	BT13-gar 3 core	BT13-gar 3 rim	BT13-bio incl. in gar 3	BT13-bio incl 2 in gar 3	BT13- plag 3
SiO₂	37.53	35.65	35.82	37.58	38.47	58.73	35.06	36.57	35.22	37.41	36.77	33.31	33.97	57.51
TiO₂	0.03	2.71	3.43	3.81	0.02	0.01	2.63	0.02	1.91	0.04	0.02	0.72	2.56	0.03
Al₂O₃	21.02	18.36	18.29	19.24	21.11	25.63	18.37	20.09	18.47	20.65	20.45	18.41	16.84	25.05
FeO	32.67	18.57	12.35	12.24	31.46	0.33	18.46	33.09	18.80	31.68	33.61	16.27	21.30	0.13
MnO	2.00	0.09	0.02	0.00	1.71	0.02	0.11	3.09	0.10	1.49	4.38	0.07	0.16	0.00
Cr₂O₃	0.03	0.07	0.04	0.07	0.00	0.03	0.06	0.03	0.02	0.02	0.03	0.00	0.04	0.00
MgO	5.03	9.55	13.67	13.74	6.06	0.00	9.51	3.85	9.65	6.15	3.20	13.25	8.92	0.01
CaO	1.40	0.02	0.06	0.04	1.24	7.18	0.01	1.25	0.01	1.28	1.24	0.06	0.01	7.18
Na₂O	0.00	0.10	0.57	0.50	0.00	7.57	0.13	0.00	0.15	0.01	0.00	0.23	0.11	8.17
K₂O	0.00	9.55	8.63	9.26	0.02	0.04	9.79	0.00	9.80	0.00	0.00	9.03	9.78	0.10
Total	99.70	94.67	92.88	96.47	100.08	99.55	94.13	98.01	94.13	98.73	99.70	91.36	93.70	98.18
Si	3.00	2.72	2.70	2.72	3.03	2.64	2.70	3.00	2.72	3.00	2.99	2.62	2.68	2.63
Ti	0.00	0.16	0.19	0.21	0.00	0.00	0.15	0.00	0.11	0.00	0.00	0.04	0.15	0.00
Al	1.98	1.65	1.62	1.64	1.96	1.36	1.67	1.95	1.68	1.95	1.96	1.71	1.57	1.35
Fe	2.18	1.19	0.78	0.74	2.07	0.01	1.19	2.27	1.21	2.12	2.28	1.07	1.41	0.01
Mn	0.13	0.01	0.00	0.00	0.11	0.00	0.01	0.22	0.01	0.10	0.30	0.00	0.01	0.00
Cr	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
Mg	0.60	1.09	1.53	1.48	0.71	0.00	1.09	0.47	1.11	0.73	0.39	1.55	1.05	0.00
Ca	0.12	0.00	0.00	0.00	0.10	0.35	0.00	0.11	0.00	0.11	0.11	0.01	0.00	0.35
Na	0.00	0.01	0.08	0.07	0.00	0.66	0.02	0.00	0.02	0.00	0.00	0.04	0.02	0.72
K	0.00	0.93	0.83	0.85	0.00	0.00	0.96	0.00	0.96	0.00	0.00	0.91	0.99	0.01
Total	20.01	18.76	18.75	18.72	19.99	13.01	18.80	20.02	18.83	20.02	20.03	18.95	18.88	13.06

	BT13- gar 4	BT13- bio 4	BT13- plag 2	BT2-plag 1	BT2-bio 1	BT2-amph 1	BT2-gar 1	BT2-bio 2	BT2-gar 2	BT2-bio incl in gar 2	BT2-gar 3	BT2-bio 3	BT2-plag 3	IG11-bio 1
SiO₂	37.39	34.88	64.10	59.56	35.46	40.55	37.66	36.20	36.39	36.23	36.88	35.68	59.25	35.19
TiO₂	0.04	0.26	0.00	0.01	3.52	1.11	0.00	2.73	0.05	2.05	0.05	2.45	0.00	4.35
Al₂O₃	20.55	18.53	22.10	23.17	15.80	13.78	20.00	16.65	18.50	15.82	19.35	15.77	23.01	16.89
FeO	33.20	23.01	0.45	0.11	16.43	17.14	23.46	16.14	24.55	18.20	24.71	16.60	0.00	15.73
MnO	2.18	0.08	0.06	0.01	0.10	0.30	3.46	0.15	3.77	0.52	4.57	0.28	0.00	0.01
Cr₂O₃	0.02	0.00	0.02	0.03	0.00	0.02	0.00	0.00	0.01	0.00	0.02	0.01	0.02	0.03
MgO	4.98	8.27	0.00	0.00	12.10	8.90	3.44	12.09	3.38	11.53	2.90	12.03	0.00	11.16
CaO	1.23	0.17	3.27	5.25	0.03	10.87	10.73	0.04	9.69	0.09	9.91	0.15	5.37	0.14
Na₂O	0.01	0.19	9.95	8.73	0.13	1.87	0.01	0.25	0.01	0.13	0.01	0.16	8.63	0.35
K₂O	0.00	8.92	0.05	0.10	9.89	1.15	0.00	9.52	0.00	9.21	0.00	9.17	0.11	8.76
Total	99.60	94.31	100.01	96.97	93.46	95.69	98.76	93.78	96.34	93.78	98.40	92.30	96.39	92.61
Si	3.00	2.73	2.83	2.73	2.74	6.25	3.02	2.77	3.02	2.80	3.00	2.78	2.73	2.71
Ti	0.00	0.02	0.00	0.00	0.20	0.13	0.00	0.16	0.00	0.12	0.00	0.14	0.00	0.25
Al	1.94	1.71	1.15	1.25	1.44	2.50	1.89	1.50	1.81	1.44	1.85	1.45	1.25	1.53
Fe	2.23	1.51	0.02	0.00	1.06	2.21	1.57	1.03	1.70	1.18	1.68	1.08	0.00	1.01
Mn	0.15	0.01	0.00	0.00	0.01	0.04	0.23	0.01	0.26	0.03	0.31	0.02	0.00	0.00
Cr	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
Mg	0.60	0.96	0.00	0.00	1.39	2.04	0.41	1.38	0.42	1.33	0.35	1.40	0.00	1.28
Ca	0.11	0.01	0.16	0.26	0.00	1.80	0.92	0.00	0.86	0.01	0.86	0.01	0.27	0.01
Na	0.00	0.03	0.85	0.78	0.02	0.56	0.00	0.04	0.00	0.02	0.00	0.02	0.77	0.05
K	0.00	0.89	0.00	0.01	0.97	0.23	0.00	0.93	0.00	0.91	0.00	0.91	0.01	0.86
Total	20.03	18.86	13.02	13.03	18.84	38.76	20.04	18.81	20.08	18.83	20.07	18.82	13.03	18.72

	IG11 - gar 1	IG11- plag 1	IG11- gar 2	IG11- bio 2	IG11- plag 2	IG11- gar 3	IG7-gar 1	IG7-bio 1	IG7- plag1	IG7- bio 2	IG7-plag 2	IG7-plag incl in gar1	IG7 plag incl in gar2	IG7 bio incl in gar2	IG5 bio incl gar1
SiO₂	37.42	58.08	37.71	34.88	58.22	36.42	37.42	33.47	56.40	34.02	59.31	61.09	58.86	35.03	35.31
TiO₂	0.01	0.00	0.01	4.08	0.00	0.00	0.01	4.61	0.00	4.10	0.00	0.00	0.01	1.48	2.41
Al₂O₃	19.53	24.62	20.17	16.85	24.83	19.19	19.94	16.05	24.48	16.63	25.47	24.29	27.08	17.44	15.32
FeO	31.53	0.06	28.50	14.96	0.08	30.26	29.81	22.01	0.21	20.96	0.12	0.11	0.16	18.61	25.71
MnO	0.96	0.03	0.46	0.00	0.00	0.97	1.13	0.15	0.00	0.08	0.00	0.00	0.00	0.09	0.15
Cr₂O₃	0.03	0.03	0.03	0.02	0.02	0.03	0.01	0.04	0.00	0.00	0.00	0.01	0.00	0.07	0.00
MgO	6.61	0.00	6.65	12.83	0.00	6.20	4.12	8.21	0.00	8.41	0.01	0.00	0.00	11.26	7.84
CaO	0.91	7.29	4.06	0.04	7.38	2.54	5.91	0.03	7.41	0.10	7.00	5.63	8.26	0.06	0.05
Na₂O	0.00	7.37	0.01	0.35	7.28	0.00	0.00	0.20	7.31	0.34	7.12	8.19	6.63	0.19	0.12
K₂O	0.02	0.19	0.00	9.12	0.16	0.00	0.00	9.37	0.37	9.12	0.31	0.29	0.18	9.18	8.97
Total	97.03	97.68	97.60	93.13	97.97	95.62	98.36	94.14	96.18	93.75	99.35	99.61	101.17	93.42	95.88
Si	3.05	2.66	3.02	2.67	2.65	3.02	3.02	2.64	2.63	2.67	2.66	2.72	2.60	2.72	2.76
Ti	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.27	0.00	0.24	0.00	0.00	0.00	0.09	0.14
Al	1.87	1.33	1.91	1.52	1.33	1.87	1.90	1.49	1.35	1.54	1.35	1.28	1.41	1.60	1.41
Fe	2.15	0.00	1.91	0.96	0.00	2.10	2.01	1.45	0.01	1.38	0.00	0.00	0.01	1.21	1.68
Mn	0.07	0.00	0.03	0.00	0.00	0.07	0.08	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.01
Cr	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
Mg	0.80	0.00	0.79	1.47	0.00	0.77	0.50	0.97	0.00	0.98	0.00	0.00	0.00	1.30	0.91
Ca	0.08	0.36	0.35	0.00	0.36	0.23	0.51	0.00	0.37	0.01	0.34	0.27	0.39	0.00	0.00
Na	0.00	0.65	0.00	0.05	0.64	0.00	0.00	0.03	0.66	0.05	0.62	0.71	0.57	0.03	0.02
K	0.00	0.01	0.00	0.89	0.01	0.00	0.00	0.94	0.02	0.91	0.02	0.02	0.01	0.91	0.90
Total	20.02	13.01	20.02	18.80	13.01	20.05	20.03	18.82	13.04	18.80	12.99	13.00	12.98	18.86	18.85

	IG5 plag in garnet1	IG5 bio next to gar 2	IG5 plag incl in gar 2	IG5 garnet 3 rim	IG5 garnet 3 core	IG-5 bio next to gar 3	IG5 plag incl in gar 3	IG5 garnet 4 core	IG5 garnet 4 rim	IG5 plag incl in gar 4	MIII-232 gar 1	MIII-232 plag 1	MIII-232 bio 1	MIII-232 gar 1 rim	MIII-232 gar1core
SiO₂	62.62	35.60	60.32	36.85	37.35	35.69	59.67	37.47	37.54	55.58	37.66	56.01	34.93	37.60	37.49
TiO₂	0.00	3.47	0.00	0.07	0.02	4.16	0.00	0.04	0.00	0.04	0.08	0.03	4.20	0.00	0.08
Al₂O₃	22.58	14.76	24.57	19.91	20.20	14.73	25.53	20.18	20.49	26.92	20.59	27.96	13.56	21.18	20.62
FeO	0.29	23.91	0.39	27.01	27.90	23.71	0.36	28.94	29.80	0.58	27.53	0.23	25.73	27.78	26.45
MnO	0.03	0.18	0.00	1.42	1.48	0.10	0.00	1.78	2.53	0.00	0.62	0.00	0.12	0.68	1.44
Cr₂O₃	0.02	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.05	0.00	0.00
MgO	0.00	8.48	0.00	2.66	2.90	7.82	0.00	2.47	2.49	0.00	2.32	0.00	7.25	2.67	1.67
CaO	4.05	0.04	6.11	9.01	8.47	0.09	6.97	8.39	6.56	8.60	11.13	9.49	0.03	10.08	11.57
Na₂O	8.75	0.16	7.81	0.00	0.00	0.13	7.47	0.00	0.00	6.17	0.00	5.86	0.07	0.00	0.01
K₂O	0.67	9.41	0.35	0.00	0.00	9.07	0.25	0.00	0.00	0.24	0.00	0.22	8.91	0.00	0.01
Total	98.99	96.00	99.55	96.93	98.35	95.49	100.25	99.27	99.41	98.14	99.94	99.82	94.85	99.99	99.33
Si	2.80	2.77	2.70	3.02	3.02	2.78	2.66	3.02	3.02	2.55	3.00	2.52	2.78	2.98	3.00
Ti	0.00	0.20	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00
Al	1.19	1.35	1.30	1.92	1.92	1.35	1.34	1.91	1.94	1.45	1.93	1.48	1.27	1.98	1.95
Fe	0.01	1.55	0.01	1.85	1.89	1.54	0.01	1.95	2.01	0.02	1.83	0.01	1.71	1.84	1.77
Mn	0.00	0.01	0.00	0.10	0.10	0.01	0.00	0.12	0.17	0.00	0.04	0.00	0.01	0.05	0.10
Cr	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
Mg	0.00	0.98	0.00	0.32	0.35	0.91	0.00	0.30	0.30	0.00	0.27	0.00	0.86	0.32	0.20
Ca	0.19	0.00	0.29	0.79	0.73	0.01	0.33	0.72	0.57	0.42	0.95	0.46	0.00	0.86	0.99
Na	0.76	0.02	0.68	0.00	0.00	0.02	0.65	0.00	0.00	0.55	0.00	0.51	0.01	0.00	0.00
K	0.04	0.93	0.02	0.00	0.00	0.90	0.01	0.00	0.00	0.01	0.00	0.01	0.90	0.00	0.00
Total	13.00	18.83	13.00	20.01	20.02	18.76	13.00	20.02	20.01	13.01	20.03	13.00	18.79	20.03	20.02

	MIII-232 plag incl in gar 1	MIII-232 gar 2 core	MIII-232 plag incl in gar 2	MIII-232 bio near gar 2	MIII-232 gar 2 rim	MIII-232 bio next to gar 2	MIII-232 plag next gar 2	M(00)gs- 149 bio next gar 1	M(00)gs-149 plag next gar 1	M(00)gs-149 gar 1 core	M(00)gs-149 gar 1 rim	M(00)gs-149 plag incl in gar 1	M(00)gs-149 gar 2 core	M(00)gs-149 bio incl in gar 2	M(00)gs-149 plag incl in gar 2
SiO₂	56.76	37.60	47.32	34.85	37.91	35.15	54.52	36.06	57.56	37.90	37.82	56.72	38.26	35.74	54.28
TiO₂	0.04	0.06	0.01	4.84	0.05	1.53	0.00	5.01	0.00	0.06	0.01	0.01	0.01	3.55	0.00
Al₂O₃	27.13	20.96	34.00	13.11	20.43	14.82	28.44	16.39	26.27	20.83	21.05	26.87	21.08	16.14	28.20
FeO	0.25	27.31	0.69	25.09	27.65	23.32	0.37	16.36	0.42	26.50	28.15	0.61	26.16	16.21	0.67
MnO	0.00	0.78	0.00	0.10	0.65	0.08	0.00	0.00	0.00	0.89	1.10	0.04	0.52	0.00	0.00
Cr₂O₃	0.02	0.00	0.03	0.02	0.03	0.05	0.00	0.03	0.00	0.02	0.00	0.00	0.12	0.12	0.01
MgO	0.00	2.46	0.00	7.14	2.49	8.82	0.00	12.05	0.00	5.15	4.47	0.00	5.37	12.43	0.05
CaO	9.38	11.03	16.57	0.00	10.60	0.35	10.80	0.00	8.15	7.10	5.79	9.06	7.76	0.07	10.55
Na₂O	6.16	0.01	1.99	0.14	0.00	0.09	5.38	0.13	6.65	0.01	0.02	6.39	0.00	0.14	5.20
K₂O	0.25	0.01	0.04	8.89	0.00	8.28	0.18	8.87	0.14	0.02	0.00	0.07	0.00	8.80	0.11
Total	100.01	100.22	100.67	94.18	99.80	92.49	99.70	94.91	99.21	98.48	98.42	99.77	99.30	93.19	99.07
Si	2.55	2.98	2.16	2.78	3.02	2.82	2.47	2.72	2.60	3.01	3.02	2.56	3.01	2.74	2.47
Ti	0.00	0.00	0.00	0.29	0.00	0.09	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.20	0.00
Al	1.44	1.96	1.83	1.23	1.92	1.40	1.52	1.45	1.40	1.95	1.98	1.43	1.95	1.46	1.52
Fe	0.01	1.81	0.03	1.68	1.84	1.56	0.01	1.03	0.02	1.76	1.88	0.02	1.72	1.04	0.03
Mn	0.00	0.05	0.00	0.01	0.04	0.01	0.00	0.00	0.00	0.06	0.07	0.00	0.03	0.00	0.00
Cr	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	0.01	0.00
Mg	0.00	0.29	0.00	0.85	0.30	1.05	0.00	1.35	0.00	0.61	0.53	0.00	0.63	1.42	0.00
Ca	0.45	0.94	0.81	0.00	0.90	0.03	0.52	0.00	0.39	0.61	0.50	0.44	0.65	0.01	0.52
Na	0.54	0.00	0.18	0.02	0.00	0.01	0.47	0.02	0.58	0.00	0.00	0.56	0.00	0.02	0.46
K	0.01	0.00	0.00	0.91	0.00	0.85	0.01	0.85	0.01	0.00	0.00	0.00	0.00	0.86	0.01
Total	13.00	20.04	13.01	18.77	20.02	18.82	13.01	18.71	13.00	20.01	19.99	13.01	20.01	18.76	13.00

	M(00)gs-149 gar 2 rim	M(00)gs-149 matrix bio	M(00)gs-149 plag near gar 2	MIII-232 gar 1 core	MIII-232 plag next gar 1	MIII-232 bio next gar 1	MIII-232 plag incl in gar 1	MIII-232 gar 1 rim	MIII-232 gar 2 rim	MIII-232 bio next gar 2 rim	MIII-232 plag next gar 2 rim	MIII-232 gar 2 core	MIII-236 gar 1 core	MIII-236 gar 1 rim	MIII-236 bio next gar 1
SiO₂	37.85	36.32	56.44	38.10	62.06	35.53	58.13	38.07	38.31	32.81	55.11	38.25	37.54	37.34	34.34
TiO₂	0.00	3.71	0.03	0.05	0.02	2.91	0.00	0.08	0.04	1.01	0.00	0.04	0.03	0.00	4.90
Al₂O₃	20.81	16.25	27.14	21.09	25.22	14.31	26.79	20.89	20.99	14.58	28.65	20.96	21.00	20.93	17.44
FeO	29.88	15.40	0.31	26.90	0.42	26.16	0.58	26.63	27.57	26.90	0.32	26.42	30.96	33.71	18.69
MnO	1.16	0.00	0.00	1.19	0.01	0.13	0.00	1.99	1.31	0.14	0.00	0.93	0.76	1.04	0.05
Cr₂O₃	0.06	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.07	0.02	0.00	0.03	0.00	0.04
MgO	4.23	12.42	0.00	1.77	0.00	7.68	0.01	1.92	1.89	6.90	0.01	2.35	4.25	4.35	9.28
CaO	5.14	0.01	8.89	11.12	6.14	0.05	8.18	10.21	9.78	0.49	10.10	10.87	4.22	1.85	0.00
Na₂O	0.00	0.16	5.98	0.01	7.47	0.07	6.55	0.00	0.01	0.14	5.44	0.00	0.00	0.00	0.20
K₂O	0.00	8.84	0.17	0.00	0.27	8.96	0.27	0.00	0.00	7.00	0.20	0.00	0.00	0.00	9.35
Total	99.13	93.18	98.96	100.28	101.62	95.82	100.52	99.80	99.90	90.05	99.85	99.83	98.77	99.23	94.30
Si	3.02	2.77	2.56	3.01	2.71	2.79	2.59	3.03	3.04	2.75	2.49	3.03	3.01	3.00	2.65
Ti	0.00	0.21	0.00	0.00	0.00	0.17	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00	0.28
Al	1.96	1.46	1.45	1.97	1.30	1.32	1.41	1.96	1.96	1.44	1.52	1.95	1.98	1.98	1.59
Fe	1.99	0.98	0.01	1.78	0.02	1.72	0.02	1.77	1.83	1.89	0.01	1.75	2.08	2.27	1.21
Mn	0.08	0.00	0.00	0.08	0.00	0.01	0.00	0.13	0.09	0.01	0.00	0.06	0.05	0.07	0.00
Cr	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
Mg	0.50	1.41	0.00	0.21	0.00	0.90	0.00	0.23	0.22	0.86	0.00	0.28	0.51	0.52	1.07
Ca	0.44	0.00	0.43	0.94	0.29	0.00	0.39	0.87	0.83	0.04	0.49	0.92	0.36	0.16	0.00
Na	0.00	0.02	0.53	0.00	0.63	0.01	0.57	0.00	0.00	0.02	0.48	0.00	0.00	0.00	0.03
K	0.00	0.86	0.01	0.00	0.01	0.90	0.02	0.00	0.00	0.75	0.01	0.00	0.00	0.00	0.92
Total	20.00	18.73	12.99	20.00	12.96	18.83	12.99	19.99	19.98	18.84	13.00	19.99	20.00	20.01	18.75

	MIII-236 plag 1	MIII-236 gar 2 core	MIII-236 gar2 rim	MIII-236 bio next gar 2	MIII-236 plag next gar 3	MIII-236 gar 3 rim	MIII-236 gar 3 core	MIII-236 bio incl in gar 3	MIII-236 bio next gar 3	MV-22 gar 1 core	MV-22 gar 1 rim	MV-22 bio inside gar 1	MV-22 plag next to gar 1	MV-22 bio next to gar 1	MIII-233 gar1 core
SiO₂	56.50	37.73	37.07	35.17	55.24	37.63	37.88	35.46	35.28	37.16	37.07	34.70	60.48	34.43	38.87
TiO₂	0.00	0.02	0.00	5.16	0.00	0.03	0.02	5.85	3.23	0.00	0.00	2.98	0.02	2.86	0.04
Al₂O₃	27.07	21.12	20.96	17.67	27.89	20.63	20.85	18.87	17.55	20.23	20.50	16.97	24.03	16.81	21.65
FeO	0.02	32.24	32.00	17.99	0.56	32.26	31.87	16.57	19.27	29.56	29.27	22.28	0.24	22.90	25.61
MnO	0.02	1.53	1.70	0.00	0.05	1.76	1.69	0.01	0.01	6.42	7.53	0.28	0.04	0.24	0.94
Cr₂O₃	0.00	0.01	0.01	0.06	0.05	0.00	0.00	0.04	0.03	0.03	0.00	0.01	0.00	0.07	0.09
MgO	0.00	4.76	4.39	9.58	0.01	4.55	5.13	9.13	10.57	3.13	3.20	8.18	0.00	7.97	6.17
CaO	8.70	1.64	2.18	0.13	9.78	2.07	1.97	0.01	0.00	2.21	1.71	0.00	5.51	0.02	6.72
Na₂O	6.25	0.00	0.00	0.20	6.01	0.00	0.00	0.15	0.16	0.00	0.01	0.20	8.20	0.26	0.01
K₂O	0.25	0.00	0.00	9.28	0.18	0.00	0.00	9.80	9.73	0.00	0.00	9.29	0.38	9.01	0.00
Total	98.82	99.05	98.31	95.24	99.77	98.94	99.41	95.90	95.82	98.75	99.29	94.88	98.90	94.57	100.10
Si	2.56	3.02	3.00	2.67	2.50	3.03	3.02	2.65	2.68	3.03	3.01	2.71	2.72	2.70	3.01
Ti	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.33	0.18	0.00	0.00	0.17	0.00	0.17	0.00
Al	1.45	1.99	2.00	1.58	1.49	1.95	1.96	1.66	1.57	1.94	1.96	1.56	1.27	1.55	1.98
Fe	0.00	2.16	2.17	1.14	0.02	2.17	2.13	1.04	1.22	2.01	1.99	1.45	0.01	1.50	1.66
Mn	0.00	0.10	0.12	0.00	0.00	0.12	0.11	0.00	0.00	0.44	0.52	0.02	0.00	0.02	0.06
Cr	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
Mg	0.00	0.57	0.53	1.08	0.00	0.55	0.61	1.02	1.20	0.38	0.39	0.95	0.00	0.93	0.71
Ca	0.42	0.14	0.19	0.01	0.47	0.18	0.17	0.00	0.00	0.19	0.15	0.00	0.27	0.00	0.56
Na	0.55	0.00	0.00	0.03	0.53	0.00	0.00	0.02	0.02	0.00	0.00	0.03	0.72	0.04	0.00
K	0.01	0.00	0.00	0.90	0.01	0.00	0.00	0.94	0.94	0.00	0.00	0.92	0.02	0.90	0.00
Total	13.00	19.98	20.00	18.71	13.02	20.00	20.00	18.66	18.83	20.00	20.01	18.82	13.01	18.82	19.99

	MIII-233 gar1 rim	MIII-233 bio edge of gar1	MIII-233 plag edge of gar1	MIII-233 gar2 core	MIII-233 bio incl gar2	MIII-233 plag incl gar2	MIII-233 gar2 rim	MIII-233 bio next to gar2	MIII-233-2 gar3 core	NB02-15A gar1 core	NB02-15A gar1 rim	NB02-15A bio next gar1 rim	NB02-15A epidote	NB02-15A plag1	NB02-15A amph1
SiO₂	38.16	36.33	61.39	38.19	36.12	60.61	38.35	35.87	38.50	37.46	37.65	35.60	37.87	62.82	40.66
TiO₂	0.02	2.50	0.00	0.03	3.44	0.00	0.01	1.90	0.05	0.12	0.02	0.10	0.08	0.03	0.45
Al₂O₃	21.19	17.87	24.31	21.04	17.41	24.36	21.39	18.03	21.37	20.19	20.41	18.58	25.74	23.38	15.54
FeO	30.52	13.80	0.13	28.74	13.05	0.44	29.59	14.34	28.39	27.85	29.01	17.38	10.38	0.09	17.25
MnO	1.29	0.02	0.03	1.21	0.04	0.02	1.50	0.05	0.81	1.26	1.01	0.19	0.01	0.00	0.18
Cr₂O₃	0.10	0.13	0.05	0.04	0.13	0.01	0.05	0.07	0.00	0.01	0.03	0.00	0.00	0.00	0.00
MgO	6.57	13.67	0.00	7.26	14.25	0.00	6.23	13.37	6.83	3.92	4.13	11.73	0.09	0.00	8.18
CaO	1.86	0.00	5.75	2.56	0.00	5.97	2.61	0.00	3.49	7.54	6.71	0.09	23.06	4.51	10.45
Na₂O	0.00	0.20	7.94	0.00	0.15	7.92	0.00	0.16	0.00	0.00	0.00	0.14	0.00	9.00	2.00
K₂O	0.02	9.61	0.30	0.00	9.52	0.36	0.01	9.67	0.00	0.01	0.00	8.87	0.00	0.07	0.53
Total	99.73	94.14	99.89	99.07	94.11	99.69	99.74	93.46	99.44	98.34	98.98	92.69	97.23	99.89	95.23
Si	3.01	2.73	2.73	3.01	2.71	2.71	3.01	2.72	3.02	3.02	3.01	2.75	3.00	2.78	6.25
Ti	0.00	0.14	0.00	0.00	0.19	0.00	0.00	0.11	0.00	0.01	0.00	0.01	0.00	0.00	0.05
Al	1.97	1.58	1.27	1.95	1.54	1.28	1.98	1.61	1.97	1.92	1.93	1.69	2.40	1.22	2.81
Fe	2.01	0.87	0.00	1.89	0.82	0.02	1.94	0.91	1.86	1.87	1.94	1.12	0.62	0.00	2.22
Mn	0.09	0.00	0.00	0.08	0.00	0.00	0.10	0.00	0.05	0.09	0.07	0.01	0.00	0.00	0.02
Cr	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mg	0.77	1.53	0.00	0.85	1.59	0.00	0.73	1.51	0.80	0.47	0.49	1.35	0.01	0.00	1.87
Ca	0.16	0.00	0.27	0.22	0.00	0.29	0.22	0.00	0.29	0.65	0.58	0.01	1.96	0.21	1.72
Na	0.00	0.03	0.68	0.00	0.02	0.69	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.77	0.59
K	0.00	0.92	0.02	0.00	0.91	0.02	0.00	0.94	0.00	0.00	0.00	0.87	0.00	0.00	0.10
Total	20.01	18.81	12.98	20.01	18.79	13.00	19.99	18.84	20.00	20.02	20.02	18.84	20.49	13.00	38.64

	NB02-15A gar2 rim	NB02-15A amph near gar2	NB02-15A plag next to gar2 rim	NB02-15A gar2 core	IG-1a gar1 core	IG-1a bio incl gar1	IG-1a gar1 rim	IG-1a bio near gar1 rim	IG-1a plag near gar1 rim	IG-1a gar2 core	IG-1a gar2 rim	IG-1a plag near gar2 rim	IG-1a bio near gar2 rim	IG-1a plag in gar3	IG-1a bio next to gar3
SiO₂	37.61	39.94	62.75	37.75	38.36	34.32	37.96	34.95	60.18	38.28	37.30	59.12	35.26	60.31	36.04
TiO₂	0.04	0.22	0.03	0.11	0.01	2.74	0.01	3.26	0.03	0.05	0.00	0.00	2.75	0.00	2.38
Al₂O₃	20.47	15.76	23.26	20.46	21.20	19.40	20.97	16.48	24.83	21.16	20.22	25.18	16.49	24.71	17.04
FeO	28.60	19.30	0.07	28.62	27.77	15.30	28.26	17.87	0.07	27.07	31.10	0.10	17.59	0.09	17.57
MnO	1.15	0.26	0.01	1.23	0.77	0.02	1.55	0.08	0.00	0.95	1.56	0.00	0.02	0.00	0.01
Cr₂O₃	0.01	0.00	0.03	0.00	0.07	0.01	0.03	0.01	0.00	0.03	0.03	0.02	0.05	0.03	0.00
MgO	3.65	7.15	0.00	3.59	5.93	12.39	4.79	10.12	0.00	6.04	4.67	0.01	11.76	0.00	12.62
CaO	7.34	10.71	4.49	7.64	5.49	0.03	6.15	0.00	6.73	5.86	3.05	7.15	0.05	6.50	0.02
Na₂O	0.01	1.84	8.97	0.00	0.02	0.28	0.02	0.12	7.69	0.00	0.01	7.30	0.16	7.70	0.16
K₂O	0.00	0.44	0.07	0.00	0.00	9.49	0.00	9.07	0.39	0.00	0.00	0.31	9.08	0.53	9.61
Total	98.87	95.61	99.67	99.38	99.61	93.99	99.73	91.98	99.90	99.44	97.93	99.19	93.20	99.86	95.44
Si	3.02	6.18	2.78	3.01	3.01	2.61	3.00	2.75	2.69	3.01	3.03	2.66	2.73	2.69	2.72
Ti	0.00	0.03	0.00	0.01	0.00	0.16	0.00	0.19	0.00	0.00	0.00	0.00	0.16	0.00	0.14
Al	1.93	2.87	1.22	1.92	1.96	1.74	1.95	1.53	1.31	1.96	1.93	1.34	1.50	1.30	1.52
Fe	1.92	2.50	0.00	1.91	1.82	0.97	1.87	1.17	0.00	1.78	2.11	0.00	1.14	0.00	1.11
Mn	0.08	0.03	0.00	0.08	0.05	0.00	0.10	0.01	0.00	0.06	0.11	0.00	0.00	0.00	0.00
Cr	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
Mg	0.44	1.65	0.00	0.43	0.69	1.40	0.57	1.19	0.00	0.71	0.56	0.00	1.36	0.00	1.42
Ca	0.63	1.78	0.21	0.65	0.46	0.00	0.52	0.00	0.32	0.49	0.26	0.34	0.00	0.31	0.00
Na	0.00	0.55	0.77	0.00	0.00	0.04	0.00	0.02	0.67	0.00	0.00	0.64	0.02	0.67	0.02
K	0.00	0.09	0.00	0.00	0.00	0.92	0.00	0.91	0.02	0.00	0.00	0.02	0.90	0.03	0.93
Total	20.02	38.68	12.99	20.02	20.01	18.85	20.02	18.76	13.00	20.01	20.01	13.00	18.82	13.01	18.86

	IG-1a gar3 rim	IG-1a gar3 core	IG-1e gar 1 core	IG-1e plag 1	IG-1e biotite 1	IG-1e gar 1 rim	IG-1e gar 2 core	IG-1e plag 2	IG1e - bio 2	M(00)gs-15 amph 1	M(00)gs-15 gar 1	M(00)gs-15 plag inside gar 1	M(00)gs-15 pyx 1	M(00)gs-15 gar 1 rim	M(00)gs-15 plag in matrix
SiO₂	38.42	37.85	38.30	62.72	35.10	38.19	38.39	69.99	36.38	39.58	38.15	49.12	47.02	37.79	47.72
TiO₂	0.08	0.00	0.00	0.00	4.29	0.00	0.00	0.00	1.74	1.12	0.00	0.00	0.00	0.00	0.00
Al₂O₃	21.12	21.01	20.90	23.31	17.91	21.27	21.22	19.26	18.56	14.50	21.01	31.40	33.03	20.67	33.31
FeO	28.06	27.35	30.07	0.43	17.76	32.26	30.94	0.00	15.98	17.78	26.63	0.35	0.76	26.80	0.16
MnO	1.22	0.76	0.48	0.00	0.00	0.72	0.60	0.00	0.00	0.26	1.27	0.00	0.00	1.53	0.00
Cr₂O₃	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
MgO	5.01	5.67	6.41	0.00	9.98	6.14	6.30	0.00	12.10	8.11	4.98	0.00	0.00	3.99	0.00
CaO	6.13	6.28	2.52	4.43	0.00	1.23	2.34	2.84	0.05	10.99	7.00	14.38	15.67	7.72	15.93
Na₂O	0.00	0.01	0.00	8.99	0.26	0.00	0.00	8.04	0.22	1.31	0.00	3.18	2.29	0.00	2.31
K₂O	0.00	0.00	0.00	0.16	9.38	0.00	0.00	0.09	9.26	1.20	0.00	0.04	0.01	0.00	0.00
Total	100.08	98.95	98.68	100.02	94.67	99.80	99.78	100.22	94.29	94.85	99.03	98.47	98.78	98.50	99.42
Si	3.02	3.00	3.04	2.78	2.68	2.76	3.02	9.08	2.75	6.17	3.02	2.28	1.64	3.02	2.20
Ti	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.10	0.13	0.00	0.00	0.00	0.00	0.00
Al	1.95	1.96	1.95	1.22	1.61	1.81	1.97	2.95	1.65	2.67	1.96	1.72	1.36	1.95	1.81
Fe	1.84	1.81	1.99	0.02	1.13	1.95	2.04	0.00	1.01	2.32	1.76	0.01	0.02	1.79	0.01
Mn	0.08	0.05	0.03	0.00	0.00	0.04	0.04	0.00	0.00	0.03	0.08	0.00	0.00	0.10	0.00
Cr	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
Mg	0.59	0.67	0.76	0.00	1.13	0.66	0.74	0.00	1.36	1.89	0.59	0.00	0.00	0.48	0.00
Ca	0.52	0.53	0.21	0.21	0.00	0.10	0.20	0.39	0.00	1.84	0.59	0.71	0.59	0.66	0.79
Na	0.00	0.00	0.00	0.77	0.04	0.00	0.00	2.02	0.03	0.40	0.00	0.29	0.15	0.00	0.21
K	0.00	0.00	0.00	0.01	0.91	0.00	0.00	0.02	0.89	0.24	0.00	0.00	0.00	0.00	0.00
Total	20.00	20.02	19.99	13.00	18.75	18.33	20.00	38.46	18.79	38.68	20.00	13.01	9.76	20.00	13.00

	M(00)gs-15 amph 2	MIII-237 gar 1 core	MIII-237 - plag 1	MIII-237 - bio 1	MMIII-237 - gar 1 rim	MIII-237 - gar 2 core	MIII-237 - plag 2	MIII-237 - bio 2	NB-155B plag next gar 1	NB-155B gar 1 rim	NB-155B bio near gar 1	NB-155B gar 1 core	NB-155B plag near gar 2 rim	NB-155B gar 2 rim	NB-155B bio next gar 2 rim
SiO₂	40.15	38.03	58.61	35.16	37.58	37.25	55.74	35.23	60.03	37.01	36.68	36.98	59.40	37.18	35.35
TiO₂	1.11	0.00	0.00	3.79	0.00	0.00	0.00	3.66	0.00	0.00	1.07	0.00	0.00	0.00	0.96
Al₂O₃	14.12	20.93	26.27	14.74	21.01	20.36	28.00	15.36	25.13	21.26	19.79	20.70	25.47	21.21	18.66
FeO	17.47	25.46	0.09	21.14	29.20	25.85	0.33	19.82	0.12	29.28	18.52	26.74	0.50	30.38	19.11
MnO	0.12	0.78	0.00	0.12	2.64	0.83	0.01	0.00	0.00	4.68	0.16	8.79	0.00	1.30	0.09
Cr₂O₃	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
MgO	8.99	3.63	0.00	9.43	3.70	3.87	0.00	10.40	0.00	3.17	9.32	1.54	0.00	2.87	9.89
CaO	10.95	10.12	7.70	0.00	4.62	9.14	9.64	0.00	6.57	4.35	0.06	4.88	7.02	7.07	0.00
Na₂O	1.32	0.00	6.69	0.05	0.00	0.00	5.55	0.12	7.84	0.00	0.16	0.00	7.56	0.00	0.12
K₂O	1.08	0.00	0.33	9.41	0.00	0.00	0.28	9.08	0.05	0.00	6.91	0.00	0.08	0.00	7.93
Total	95.32	98.95	99.69	93.84	98.74	97.30	99.55	93.67	99.73	99.74	92.66	99.64	100.02	100.00	92.11
Si	6.21	3.02	2.62	2.76	3.02	3.01	2.52	2.75	2.68	2.97	2.80	3.00	2.65	2.97	2.76
Ti	0.13	0.00	0.00	0.22	0.00	0.00	0.00	0.21	0.00	0.00	0.06	0.00	0.00	0.00	0.06
Al	2.57	1.96	1.39	1.37	1.99	1.94	1.49	1.41	1.32	2.01	1.78	1.98	1.34	2.00	1.71
Fe	2.26	1.69	0.00	1.39	1.96	1.75	0.01	1.29	0.00	1.97	1.18	1.81	0.02	2.03	1.25
Mn	0.02	0.05	0.00	0.01	0.18	0.06	0.00	0.00	0.00	0.32	0.01	0.60	0.00	0.09	0.01
Cr	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
Mg	2.07	0.43	0.00	1.10	0.44	0.47	0.00	1.21	0.00	0.38	1.06	0.19	0.00	0.34	1.15
Ca	1.81	0.86	0.37	0.00	0.40	0.79	0.47	0.00	0.31	0.37	0.01	0.42	0.34	0.60	0.00
Na	0.40	0.00	0.58	0.01	0.00	0.00	0.49	0.02	0.68	0.00	0.02	0.00	0.65	0.00	0.02
K	0.21	0.00	0.02	0.94	0.00	0.00	0.02	0.90	0.00	0.00	0.67	0.00	0.00	0.00	0.79
Total	38.68	20.00	12.98	18.81	19.99	20.02	12.99	18.79	13.00	20.02	18.60	20.01	13.01	20.03	18.73

	NB-155B gar 2 core	NB02-05 biotite	NB02-05 plag	NB02-05 garnet core	NB02-05 plag	NB02-05 bi next to gar	NB02-05 gar rim	NB02-05 gar 2 core	NB02-21B matrix plag	NB02-21B gar 1 rim	NB02-21B bio next gar 1	NB02-21B gar 1 core	NB02-21B plag next to gar 2	NB02-21B gar 2	NB02-21B bio next gar 2
SiO₂	37.40	35.20	60.01	37.04	60.14	35.19	37.54	36.89	59.91	37.74	35.50	36.85	61.11	37.13	35.08
TiO₂	0.00	3.40	0.00	0.00	0.00	3.90	0.00	0.00	0.00	0.00	2.43	0.00	0.00	0.00	3.06
Al₂O₃	21.17	18.70	25.41	21.32	24.87	18.30	21.25	21.23	25.21	21.79	18.88	21.19	24.66	21.02	18.43
FeO	30.35	19.23	0.02	33.51	0.27	17.98	33.21	32.66	0.00	34.19	19.51	34.05	0.00	33.77	21.42
MnO	0.27	0.01	0.00	2.90	0.00	0.00	3.01	3.67	0.00	3.54	0.00	3.01	0.00	3.86	0.00
Cr₂O₃	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
MgO	2.49	8.51	0.00	3.69	0.00	9.03	3.04	3.73	0.00	2.56	8.67	3.12	0.00	2.72	7.75
CaO	8.24	0.00	6.19	1.61	5.55	0.00	2.13	1.53	5.95	1.50	0.06	1.49	5.48	1.46	0.01
Na₂O	0.00	0.22	8.10	0.00	8.45	0.20	0.00	0.00	8.30	0.00	0.23	0.00	8.57	0.00	0.20
K₂O	0.00	9.67	0.08	0.00	0.06	9.61	0.00	0.00	0.12	0.00	8.91	0.00	0.09	0.00	9.12
Total	99.91	94.95	99.82	100.07	99.34	94.20	100.18	99.71	99.49	101.32	94.21	99.70	99.91	99.97	95.06
Si	2.98	2.69	2.67	2.97	2.69	2.70	3.01	2.97	2.68	3.00	2.73	2.98	2.72	3.00	2.70
Ti	0.00	0.20	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.18
Al	1.99	1.69	1.33	2.02	1.31	1.65	2.01	2.02	1.33	2.04	1.71	2.02	1.29	2.00	1.67
Fe	2.03	1.23	0.00	2.25	0.01	1.15	2.22	2.20	0.00	2.27	1.25	2.30	0.00	2.28	1.38
Mn	0.02	0.00	0.00	0.20	0.00	0.00	0.20	0.25	0.00	0.24	0.00	0.21	0.00	0.26	0.00
Cr	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
Mg	0.30	0.97	0.00	0.44	0.00	1.03	0.36	0.45	0.00	0.30	0.99	0.38	0.00	0.33	0.89
Ca	0.70	0.00	0.30	0.14	0.27	0.00	0.18	0.13	0.29	0.13	0.01	0.13	0.26	0.13	0.00
Na	0.00	0.03	0.70	0.00	0.73	0.03	0.00	0.00	0.72	0.00	0.03	0.00	0.74	0.00	0.03
K	0.00	0.94	0.00	0.00	0.00	0.94	0.00	0.00	0.01	0.00	0.87	0.00	0.01	0.00	0.90
Total	20.02	18.76	13.01	20.02	13.02	18.73	19.99	20.02	13.02	19.98	18.73	20.01	13.01	20.00	18.75

	NB02-40 plag next to gar 1	NB02-40 gar 1 edge	NB02-40 bio next to gar 1	NB02-40 plag next to gar 2	NB02-40 rim gar 2	NB02-40 bio next to gar 2	NB02-40 core gar 2	NB02-60B plag next gar 1	NB02-60B bio next to gar 1	NB02-60B rim gar 1	NB02-60B gar 2 core	NB02-60B bio incl. in gar 2	NB02-31A plag next to gar	NB02-31A gar rim	NB02-31A bi at gar edge
SiO₂	58.86	37.24	34.74	57.75	37.07	35.41	37.47	59.28	35.14	37.91	37.06	34.79	62.15	37.39	36.32
TiO₂	0.00	0.00	0.69	0.00	0.00	1.63	0.00	0.00	2.54	0.00	0.00	0.06	0.00	0.00	2.16
Al₂O₃	25.43	20.72	18.09	25.97	20.67	17.55	20.95	26.14	17.26	21.07	20.75	20.06	23.40	21.21	19.66
FeO	0.15	27.77	20.45	0.47	27.92	20.83	27.69	0.05	22.55	31.59	32.54	20.98	0.12	32.50	15.34
MnO	0.00	4.42	0.29	0.00	4.32	0.27	4.87	0.00	0.00	1.22	2.01	0.00	0.00	1.24	0.00
Cr₂O₃	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
MgO	0.00	2.73	8.83	0.00	2.98	8.95	2.68	0.00	7.70	3.55	4.04	9.04	0.00	5.83	11.32
CaO	6.70	6.06	0.00	7.19	6.01	0.00	6.41	7.33	0.00	4.76	3.46	0.00	4.17	1.22	0.00
Na₂O	7.65	0.00	0.12	7.35	0.00	0.11	0.00	7.22	0.08	0.00	0.00	0.17	9.09	0.00	0.03
K₂O	0.19	0.00	9.48	0.19	0.00	9.44	0.00	0.18	9.64	0.00	0.00	9.40	0.13	0.00	10.05
Total	98.97	98.95	92.67	98.93	98.97	94.20	100.07	100.19	94.92	100.10	99.86	94.51	99.05	99.38	94.88
Si	2.65	3.01	2.75	2.61	2.99	2.75	3.00	2.64	2.74	3.01	2.98	2.69	2.78	2.98	2.72
Ti	0.00	0.00	0.04	0.00	0.00	0.10	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.12
Al	1.35	1.97	1.69	1.39	1.97	1.61	1.97	1.37	1.58	1.97	1.96	1.83	1.23	1.99	1.74
Fe	0.01	1.87	1.35	0.02	1.89	1.35	1.85	0.00	1.47	2.10	2.19	1.36	0.00	2.17	0.96
Mn	0.00	0.30	0.02	0.00	0.30	0.02	0.33	0.00	0.00	0.08	0.14	0.00	0.00	0.08	0.00
Cr	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
Mg	0.00	0.33	1.04	0.00	0.36	1.04	0.32	0.00	0.89	0.42	0.48	1.04	0.00	0.69	1.26
Ca	0.32	0.52	0.00	0.35	0.52	0.00	0.55	0.35	0.00	0.41	0.30	0.00	0.20	0.10	0.00
Na	0.67	0.00	0.02	0.65	0.00	0.02	0.00	0.62	0.01	0.00	0.00	0.03	0.79	0.00	0.00
K	0.01	0.00	0.96	0.01	0.00	0.94	0.00	0.01	0.96	0.00	0.00	0.93	0.01	0.00	0.96
Total	13.01	20.01	18.86	13.02	20.02	18.82	20.02	12.99	18.81	20.00	20.04	18.87	13.01	20.02	18.77

	NB02-31A gar core	NB02-99A plag next to gar 1	NB02-99A gar 1 rim	NB02-99A bio next to gar 1 rim	NB02-99A gar 1 core	NB02-99A plag next gar 2	NB02-99A gar2 rim	NB02-99A gar 2 core	NB02-99A bio next to gar 2	NB02-134 plag near gar 1	NB02-134 bio near gar 1	NB02-134 gar 1 rim	NB02-134 gar 1 core	NB02-78B plag in matrix	NB02-78B bio next to gar
SiO₂	37.48	59.88	37.42	38.15	39.52	58.19	39.01	39.49	37.23	62.04	34.93	37.61	37.51	63.48	31.41
TiO₂	0.00	0.00	0.00	2.44	0.00	0.00	0.00	0.00	0.85	0.00	3.02	0.00	0.00	0.00	0.66
Al₂O₃	21.27	26.12	22.10	18.67	21.72	26.51	21.32	21.60	18.58	24.04	16.00	20.36	20.36	23.83	18.99
FeO	32.05	0.03	31.42	14.07	28.12	0.24	30.23	29.03	13.78	0.01	25.81	30.15	29.42	0.06	25.78
MnO	1.19	0.00	0.93	0.00	0.64	0.00	0.82	0.64	0.00	0.00	0.38	6.02	4.85	0.00	0.00
Cr₂O₃	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
MgO	6.21	0.00	6.37	13.00	8.61	0.00	6.07	8.11	13.18	0.00	5.18	1.50	1.55	0.00	7.83
CaO	1.20	7.67	2.24	0.00	1.71	8.06	3.02	1.58	0.03	5.33	0.00	4.47	5.86	5.17	0.00
Na₂O	0.00	7.07	0.00	0.13	0.00	6.99	0.00	0.00	0.10	8.54	0.03	0.00	0.00	8.57	0.01
K₂O	0.00	0.06	0.00	9.10	0.00	0.05	0.00	0.00	8.65	0.12	9.42	0.00	0.00	0.10	5.96
Total	99.41	100.84	100.49	95.57	100.32	100.04	100.48	100.46	92.39	100.08	94.77	100.11	99.56	101.20	90.66
Si	2.98	2.65	2.94	2.80	3.04	2.60	3.04	3.04	2.82	2.75	2.78	3.04	3.03	2.77	2.57
Ti	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.05	0.00	0.18	0.00	0.00	0.00	0.04
Al	1.99	1.36	2.04	1.61	1.97	1.40	1.96	1.96	1.66	1.25	1.50	1.94	1.94	1.23	1.83
Fe	2.13	0.00	2.06	0.86	1.81	0.01	1.97	1.87	0.87	0.00	1.72	2.04	1.99	0.00	1.76
Mn	0.08	0.00	0.06	0.00	0.04	0.00	0.05	0.04	0.00	0.00	0.03	0.41	0.33	0.00	0.00
Cr	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
Mg	0.74	0.00	0.75	1.42	0.99	0.00	0.71	0.93	1.49	0.00	0.61	0.18	0.19	0.00	0.96
Ca	0.10	0.36	0.19	0.00	0.14	0.39	0.25	0.13	0.00	0.25	0.00	0.39	0.51	0.24	0.00
Na	0.00	0.61	0.00	0.02	0.00	0.61	0.00	0.00	0.02	0.73	0.00	0.00	0.00	0.73	0.00
K	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00	0.83	0.01	0.96	0.00	0.00	0.01	0.62
Total	20.02	12.98	20.04	18.70	19.98	13.00	19.98	19.98	18.73	13.00	18.77	19.99	19.99	12.98	18.79

	NB02-78B plag 2 in matrix	NB02-78B bio 2	NB02-78B gar1 rim	NB02-146B plag next gar 1	NB02-146B gar 2 rim	NB02-146B gar 1 rim	NB02-146B bio near gar 1 rim	NB02-146B plag near gar 2 rim	NB02-146B bio near gar 2 rim	NB02-146B gar 2 core	NB02-142B plag near gar 1	NB02-142B gar 1 rim	NB02-142B bio near gar 1 rim	NB02-142B gar 1 core	GP-3-04 plag incl gar 1
SiO₂	63.83	34.11	37.98	60.30	37.06	37.38	33.96	62.40	34.53	37.43	61.82	37.68	35.89	37.33	57.13
TiO₂	0.00	1.41	0.00	0.00	0.00	0.00	2.17	0.00	2.62	0.00	0.00	0.00	1.41	0.00	0.00
Al₂O₃	22.82	20.19	20.64	25.15	20.93	20.07	19.02	24.22	17.20	20.61	24.20	20.54	19.25	20.48	27.39
FeO	0.00	23.03	35.34	0.09	36.12	35.09	22.30	0.26	22.83	35.63	0.13	32.96	19.16	30.57	0.16
MnO	0.00	0.00	1.02	0.00	1.91	3.53	0.11	0.00	0.18	1.50	0.00	5.31	0.00	7.34	0.00
Cr₂O₃	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
MgO	0.00	6.97	2.35	0.00	2.46	2.00	6.91	0.00	6.57	2.93	0.00	1.89	9.18	1.87	0.00
CaO	4.43	0.00	2.95	6.78	1.52	1.65	0.00	5.74	0.01	1.62	5.45	1.61	0.00	2.28	8.93
Na₂O	8.81	0.18	0.00	7.55	0.00	0.00	0.06	8.27	0.03	0.00	8.43	0.00	0.29	0.00	6.39
K₂O	0.11	9.12	0.00	0.06	0.00	0.00	9.72	0.13	9.46	0.00	0.04	0.00	9.23	0.00	0.65
Total	100.02	95.02	100.29	99.93	100.00	99.72	94.25	101.03	93.43	99.71	100.07	99.99	94.42	99.88	100.65
Si	2.82	2.65	3.05	2.68	3.00	3.04	2.67	2.74	2.74	3.03	2.74	3.05	2.74	3.03	2.55
Ti	0.00	0.08	0.00	0.00	0.00	0.00	0.13	0.00	0.16	0.00	0.00	0.00	0.08	0.00	0.00
Al	1.19	1.85	1.95	1.32	2.00	1.93	1.76	1.25	1.61	1.96	1.26	1.96	1.74	1.96	1.44
Fe	0.00	1.50	2.37	0.00	2.45	2.39	1.46	0.01	1.52	2.41	0.00	2.23	1.23	2.07	0.01
Mn	0.00	0.00	0.07	0.00	0.13	0.24	0.01	0.00	0.01	0.10	0.00	0.36	0.00	0.50	0.00
Cr	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
Mg	0.00	0.81	0.28	0.00	0.30	0.24	0.81	0.00	0.78	0.35	0.00	0.23	1.05	0.23	0.00
Ca	0.21	0.00	0.25	0.32	0.13	0.14	0.00	0.27	0.00	0.14	0.26	0.14	0.00	0.20	0.43
Na	0.75	0.03	0.00	0.65	0.00	0.00	0.01	0.70	0.00	0.00	0.72	0.00	0.04	0.00	0.55
K	0.01	0.90	0.00	0.00	0.00	0.00	0.97	0.01	0.96	0.00	0.00	0.00	0.90	0.00	0.04
Total	12.97	18.81	19.98	12.98	20.00	19.99	18.82	12.99	18.78	19.99	12.99	19.97	18.78	19.99	13.02

	GP-3-04 core gar 1	GP-3-04 rim gar 1	GP-3-04 bio next to rim gar 1	GP-3-04 plag next to gar 1	GP-3-04 gar 2 core	GP-3-04 plag next to gar 3	GP-3-04 rim gar 3	GP-5-04 plag next to gar1	GP-5-04 bio near gar1	GP-5-04 gar1 rim	GP-5-04 gar1 core	GP-5-04 bio incl. in gar2	GP-5-04 gar2 core	GP-5-04 gar2 rim	GP-5-04 bio next to gar2
SiO₂	37.66	37.16	34.84	61.23	37.87	57.71	37.70	61.48	35.08	37.51	37.25	35.27	37.75	37.67	34.52
TiO₂	0.03	0.04	4.06	0.00	0.03	0.03	0.02	0.00	2.32	0.01	0.00	5.43	0.03	0.00	3.15
Al₂O₃	20.94	20.82	18.72	23.95	20.97	25.81	21.34	24.34	19.44	21.49	21.14	18.02	21.34	21.22	18.98
FeO	30.75	33.40	19.72	0.04	33.65	0.17	34.11	0.26	18.94	32.88	32.08	18.08	32.92	32.85	18.52
MnO	1.18	1.82	0.06	0.01	1.25	0.02	1.88	0.03	0.03	2.70	1.54	0.08	1.67	2.72	0.08
Cr₂O₃	0.00	0.09	0.07	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.04	0.01	0.00	0.03	0.06
MgO	3.79	3.91	8.38	0.00	4.88	0.00	4.14	0.00	10.51	4.11	5.05	9.82	4.80	3.85	9.25
CaO	5.61	2.35	0.00	4.99	1.94	6.81	1.52	5.37	0.00	1.32	1.72	0.00	1.43	1.67	0.00
Na₂O	0.01	0.01	0.33	8.50	0.02	7.82	0.02	8.00	0.18	0.00	0.01	0.23	0.00	0.00	0.17
K₂O	0.00	0.00	9.20	0.53	0.00	0.28	0.00	0.39	9.13	0.00	0.01	9.33	0.00	0.00	9.26
Total	99.96	99.60	95.38	99.24	100.62	98.64	100.74	99.87	95.66	100.07	98.83	96.28	99.94	100.02	93.99
Si	3.00	2.99	2.66	2.74	3.00	2.62	2.99	2.73	2.65	2.99	2.99	2.65	3.00	3.01	2.66
Ti	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.31	0.00	0.00	0.18
Al	1.96	1.97	1.68	1.26	1.96	1.38	2.00	1.28	1.73	2.02	2.00	1.59	2.00	2.00	1.72
Fe	2.05	2.25	1.26	0.00	2.23	0.01	2.27	0.01	1.20	2.19	2.15	1.13	2.19	2.19	1.19
Mn	0.08	0.12	0.00	0.00	0.08	0.00	0.13	0.00	0.00	0.18	0.10	0.00	0.11	0.18	0.00
Cr	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	0.00	0.00
Mg	0.45	0.47	0.95	0.00	0.58	0.00	0.49	0.00	1.18	0.49	0.60	1.10	0.57	0.46	1.06
Ca	0.48	0.20	0.00	0.24	0.17	0.33	0.13	0.26	0.00	0.11	0.15	0.00	0.12	0.14	0.00
Na	0.00	0.00	0.05	0.74	0.00	0.69	0.00	0.69	0.03	0.00	0.00	0.03	0.00	0.00	0.03
K	0.00	0.00	0.90	0.03	0.00	0.02	0.00	0.02	0.88	0.00	0.00	0.89	0.00	0.00	0.91
Total	20.02	20.02	18.74	13.01	20.02	13.04	20.01	12.99	18.80	20.00	20.01	18.71	20.00	19.99	18.76

	GP-5-04 plag next gar2	GP-11 bio incl in gar 1	GP-11 gar 1 core	GP-11 amph in matrix	GP-11 plag in matrix	GP-11 gar1 edge	GP-11 bio next to gar1	NB-10-04A gar1 core	NB-10-04A plag in matrix	NB-10-04A bio near gar2	NB-10-04A gar2 edge	NB-10-04A plag near gar 3	NB-10-04A bio at edge of gar 3	NB-10-04A gar 3 rim	NB-2-04c plag near gar1
SiO₂	59.84	37.32	38.60	45.39	58.28	38.84	33.47	38.08	59.68	34.61	37.45	60.17	34.83	37.56	59.13
TiO₂	0.00	3.00	0.05	1.66	0.01	0.05	1.44	0.00	0.03	2.11	0.00	0.00	3.27	0.00	0.00
Al₂O₃	25.49	14.94	21.81	11.54	26.60	21.99	16.77	21.82	25.68	19.39	21.29	25.51	19.01	21.45	25.98
FeO	0.11	16.46	27.40	13.55	0.03	27.22	18.32	33.63	0.09	21.15	35.27	0.21	19.89	34.88	0.19
MnO	0.00	0.06	0.94	0.12	0.01	0.90	0.19	0.96	0.05	0.05	1.53	0.04	0.05	1.46	0.06
Cr₂O₃	0.00	0.06	0.10	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.02	0.00
MgO	0.00	12.71	5.44	11.52	0.00	5.72	11.12	4.14	0.00	7.43	3.39	0.00	8.51	3.74	0.00
CaO	6.65	0.01	6.33	11.06	7.42	5.37	0.41	2.05	6.56	0.07	1.03	6.26	0.00	0.96	7.73
Na₂O	7.56	0.23	0.01	1.05	7.21	0.03	0.21	0.02	7.51	0.17	0.02	7.55	0.18	0.01	6.92
K₂O	0.21	8.30	0.00	0.61	0.05	0.00	7.42	0.00	0.22	8.70	0.01	0.24	9.34	0.02	0.25
Total	99.87	93.09	100.67	96.50	99.61	100.23	89.35	100.70	99.83	93.68	99.99	99.99	95.15	100.10	100.27
Si	2.67	2.85	3.00	6.71	2.61	3.01	2.70	3.01	2.66	2.70	3.01	2.68	2.67	3.00	2.63
Ti	0.00	0.17	0.00	0.18	0.00	0.00	0.09	0.00	0.00	0.12	0.00	0.00	0.19	0.00	0.00
Al	1.34	1.35	2.00	2.01	1.40	2.01	1.60	2.03	1.35	1.78	2.01	1.34	1.71	2.02	1.36
Fe	0.00	1.05	1.78	1.68	0.00	1.77	1.24	2.22	0.00	1.38	2.37	0.01	1.27	2.33	0.01
Mn	0.00	0.00	0.06	0.01	0.00	0.06	0.01	0.06	0.00	0.00	0.10	0.00	0.00	0.10	0.00
Cr	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mg	0.00	1.45	0.63	2.54	0.00	0.66	1.34	0.49	0.00	0.86	0.41	0.00	0.97	0.45	0.00
Ca	0.32	0.00	0.53	1.75	0.36	0.45	0.04	0.17	0.31	0.01	0.09	0.30	0.00	0.08	0.37
Na	0.65	0.03	0.00	0.30	0.63	0.00	0.03	0.00	0.65	0.03	0.00	0.65	0.03	0.00	0.60
K	0.01	0.81	0.00	0.11	0.00	0.00	0.76	0.00	0.01	0.86	0.00	0.01	0.91	0.00	0.01
Total	12.99	18.72	20.00	38.31	13.00	19.98	18.81	19.98	12.99	18.74	19.99	12.99	18.76	19.99	12.99

	NB-2-04c edge of gar1	NB-2-04c bio at edge of gar1	NB-2-04c plag incl in gar1	NB-2-04c gar1 core	NB-2-04c plag incl2 in gar1	NB-2-04c bio near gar 2	NB-2-04c plag near gar 2	NB-2-04c gar 2 rim	NB-2-04c plag incl gar 2	NB-2-04c core gar 2	NB-8-04a core gar 1	NB-8-04a bio incl in gar 1	NB-8-04a plag incl in gar 1	NB-8-04a plag next to gar 1	NB-8-04a bio next to gar 1
SiO₂	37.38	34.61	55.49	37.23	59.97	34.34	61.51	37.79	59.72	37.95	37.17	33.76	62.33	64.19	33.73
TiO₂	0.05	5.29	0.05	0.00	0.00	3.55	0.00	0.01	0.00	0.05	0.00	2.93	0.00	0.00	4.00
Al₂O₃	20.69	13.58	28.59	21.00	24.73	14.13	24.91	20.91	25.27	20.87	21.31	18.30	23.28	22.47	18.46
FeO	28.26	26.99	0.67	27.88	0.33	27.47	0.19	28.03	0.15	26.96	34.04	16.01	0.69	0.14	20.59
MnO	0.44	0.08	0.00	0.66	0.00	0.08	0.00	0.94	0.00	0.71	2.43	0.03	0.05	0.01	0.12
Cr₂O₃	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
MgO	2.34	6.03	0.01	2.45	0.03	6.24	0.00	2.04	0.00	1.61	4.31	11.68	0.06	0.03	7.19
CaO	10.21	0.00	9.50	10.04	6.89	0.04	6.27	9.91	7.10	11.86	0.65	0.19	3.82	2.61	0.03
Na₂O	0.06	0.12	5.83	0.04	7.29	0.16	6.42	0.02	7.31	0.04	0.03	0.21	9.21	9.86	0.21
K₂O	0.00	9.33	0.14	0.00	0.49	9.14	0.38	0.00	0.42	0.01	0.01	8.29	0.21	0.47	9.33
Total	99.43	96.04	100.30	99.29	99.72	95.16	99.70	99.67	99.98	100.08	99.95	91.41	99.65	99.79	93.65
Si	2.99	2.74	2.49	2.98	2.68	2.75	2.73	3.01	2.67	3.01	2.98	2.64	2.78	2.84	2.64
Ti	0.00	0.31	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.24
Al	1.95	1.27	1.51	1.98	1.30	1.33	1.30	1.97	1.33	1.95	2.01	1.68	1.22	1.17	1.71
Fe	1.89	1.79	0.03	1.87	0.01	1.84	0.01	1.87	0.01	1.79	2.28	1.05	0.03	0.01	1.35
Mn	0.03	0.01	0.00	0.04	0.00	0.01	0.00	0.06	0.00	0.05	0.17	0.00	0.00	0.00	0.01
Cr	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
Mg	0.28	0.71	0.00	0.29	0.00	0.74	0.00	0.24	0.00	0.19	0.51	1.36	0.00	0.00	0.84
Ca	0.88	0.00	0.46	0.86	0.33	0.00	0.30	0.85	0.34	1.01	0.06	0.02	0.18	0.12	0.00
Na	0.01	0.02	0.51	0.01	0.63	0.02	0.55	0.00	0.63	0.01	0.01	0.03	0.80	0.85	0.03
K	0.00	0.94	0.01	0.00	0.03	0.93	0.02	0.00	0.02	0.00	0.00	0.83	0.01	0.03	0.93
Total	20.03	18.79	13.01	20.03	12.99	18.85	12.91	20.01	13.00	20.01	20.02	18.78	13.02	13.01	18.75

	NB-8-04a gar 1 rim	NB-8-04a core 2 of gar 1	NB-8-04a plag incl in gar 2	NB-8-04a bio incl in gar 2	NB-8-04a core gar 2	NB-8-04a bio next to gar 2	NB-8-04a plag next gar 2	NB-8-04a gar 2 rim	NB-7-04a bio near gar 1	NB-7-04a plag near gar 1	NB-7-04a edge gar 1	NB-7-04a core gar 1	NB-7-04a core gar 2	NB-7-04a bio incl in gar 2	NB-7-04a plag next to gar 2
SiO₂	36.87	37.04	60.53	34.81	37.18	33.82	62.00	37.46	34.26	59.28	37.26	37.88	37.43	32.55	57.76
TiO₂	0.00	0.00	0.00	4.92	0.00	3.81	0.00	0.00	4.39	0.00	0.00	0.00	0.02	0.22	0.00
Al₂O₃	21.37	21.54	24.96	19.07	21.59	18.69	23.71	21.51	15.80	25.72	20.90	21.15	21.29	17.41	26.70
FeO	34.97	33.54	0.32	18.16	34.42	19.34	0.25	35.10	25.28	0.11	31.66	28.89	28.89	32.40	0.23
MnO	1.69	2.05	0.01	0.02	1.09	0.03	0.02	1.46	0.08	0.00	2.13	0.78	1.01	0.21	0.03
Cr₂O₃	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
MgO	3.82	4.27	0.01	8.97	4.52	8.73	0.00	3.75	6.00	0.00	1.79	2.34	1.68	3.65	0.00
CaO	1.20	0.99	5.91	0.00	1.14	0.14	4.14	0.60	0.00	7.06	6.06	9.07	9.42	0.02	7.80
Na₂O	0.02	0.05	8.04	0.26	0.05	0.28	8.97	0.05	0.21	7.15	0.03	0.04	0.04	0.14	6.89
K₂O	0.00	0.00	0.18	9.29	0.00	8.62	0.21	0.00	9.13	0.44	0.00	0.00	0.00	8.19	0.29
Total	99.95	99.47	99.96	95.50	99.98	93.46	99.29	99.94	95.14	99.77	99.84	100.14	99.77	94.79	99.70
Si	2.97	2.97	2.69	2.63	2.97	2.63	3.80	3.00	2.71	2.65	3.00	3.01	2.99	2.67	2.59
Ti	0.00	0.00	0.00	0.28	0.00	0.22	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.01	0.00
Al	2.03	2.04	1.31	1.70	2.03	1.71	1.71	2.03	1.47	1.36	1.98	1.98	2.01	1.68	1.41
Fe	2.35	2.25	0.01	1.15	2.30	1.26	0.01	2.35	1.67	0.00	2.13	1.92	1.93	2.22	0.01
Mn	0.11	0.14	0.00	0.00	0.07	0.00	0.00	0.10	0.01	0.00	0.15	0.05	0.07	0.01	0.00
Cr	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
Mg	0.46	0.51	0.00	1.01	0.54	1.01	0.00	0.45	0.71	0.00	0.22	0.28	0.20	0.45	0.00
Ca	0.10	0.09	0.28	0.00	0.10	0.01	0.27	0.05	0.00	0.34	0.52	0.77	0.81	0.00	0.38
Na	0.00	0.01	0.69	0.04	0.01	0.04	1.07	0.01	0.03	0.62	0.01	0.01	0.01	0.02	0.60
K	0.00	0.00	0.01	0.90	0.00	0.85	0.02	0.00	0.92	0.03	0.00	0.00	0.00	0.86	0.02
Total	20.02	20.01	13.00	18.71	20.02	18.74	17.88	19.99	18.77	12.99	20.01	20.01	20.01	18.92	13.01

	NB-7-04a bio near gar 2	NB-7-04a edge of gar 2	NB-16-04a edge gar 1	NB-16-04a plag near gar 1	NB-16-04a bio near gar 1	NB-16-04a bio incl in gar 1	NB-16-04a core gar 1	NB-16-04a amph in matrix	NB-16-04a core gar 2	NB-16-04a plag incl in gar 2	NB-16-04a bio incl in gar 2	NB-16-04a bio near gar 2	NB-16-04a plag near gar 2	NB-16-04a edge of gar 2	GP-3-04 bio next to rim gar 3
SiO₂	35.36	36.68	38.59	45.87	36.26	35.74	38.67	44.71	37.75	58.18	26.58	36.28	45.87	38.52	34.66
TiO₂	3.33	0.00	0.17	0.00	3.06	3.92	0.03	1.01	0.07	0.00	0.04	2.10	0.00	0.15	3.06
Al₂O₃	16.61	21.15	21.79	34.86	15.45	15.95	21.87	13.06	22.01	26.61	21.02	16.47	35.35	21.90	20.04
FeO	24.97	32.29	23.19	0.26	21.05	19.98	23.19	12.00	23.38	0.66	24.38	19.36	0.29	23.25	20.81
MnO	0.19	3.09	1.66	0.03	0.22	0.10	1.16	0.10	1.49	0.02	0.22	0.09	0.00	1.39	0.08
Cr₂O₃	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.02	0.00
MgO	6.88	1.91	4.63	0.00	10.17	9.94	4.87	12.49	4.60	0.01	14.55	11.43	0.00	4.57	7.84
CaO	0.01	4.12	10.02	17.15	0.12	0.00	9.78	11.68	9.90	7.83	0.06	0.01	17.45	10.22	0.01
Na₂O	0.14	0.07	0.05	1.48	0.21	0.28	0.03	1.00	0.02	6.84	0.02	0.22	1.38	0.05	0.26
K₂O	9.24	0.00	0.00	0.01	8.36	8.99	0.02	0.91	0.00	0.07	0.17	9.19	0.03	0.00	8.60
Total	96.74	99.31	100.09	99.66	94.94	94.92	99.61	96.96	99.25	100.24	87.03	95.18	100.36	100.06	95.35
Si	2.73	2.98	3.00	2.12	2.79	2.75	3.01	6.56	2.96	2.60	2.20	2.77	2.10	2.99	2.64
Ti	0.19	0.00	0.01	0.00	0.18	0.23	0.00	0.11	0.00	0.00	0.00	0.12	0.00	0.01	0.18
Al	1.51	2.03	2.00	1.90	1.40	1.44	2.01	2.26	2.04	1.40	2.05	1.48	1.91	2.01	1.80
Fe	1.61	2.19	1.51	0.01	1.35	1.28	1.51	1.47	1.54	0.02	1.69	1.23	0.01	1.51	1.33
Mn	0.01	0.21	0.11	0.00	0.01	0.01	0.08	0.01	0.10	0.00	0.02	0.01	0.00	0.09	0.01
Cr	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
Mg	0.79	0.23	0.54	0.00	1.17	1.14	0.56	2.73	0.54	0.00	1.80	1.30	0.00	0.53	0.89
Ca	0.00	0.36	0.83	0.85	0.01	0.00	0.82	1.83	0.83	0.38	0.01	0.00	0.86	0.85	0.00
Na	0.02	0.01	0.01	0.13	0.03	0.04	0.00	0.28	0.00	0.59	0.00	0.03	0.12	0.01	0.04
K	0.91	0.00	0.00	0.00	0.82	0.88	0.00	0.17	0.00	0.00	0.02	0.89	0.00	0.00	0.84
Total	18.79	20.01	20.00	13.00	18.76	18.77	19.99	38.43	20.02	13.00	18.78	18.84	13.00	20.00	18.72

	GP-3-04 plag incl. in gar 3	GP-3-04 core gar 3	GP-3-04 bio incl in gar 3	NB-2-04e plag next to gar 1	NB-2-04e rim gar 1	NB-2-04e bio near gar 1	NB-2-04e gar 2 core	NB-2-04e bio incl in gar 2 core	NB-2-04e plag next to gar 2	NB-2-04e bio next to gar 2	NB-2-04e gar 2 rim	GP-4-04 plag next to gar 1	GP-4-04 gar 1	GP-4-04 bio next to gar 1	GP-4-04 plag 2
SiO₂	58.05	36.95	34.83	56.38	36.77	41.85	37.58	35.36	57.81	36.08	37.88	59.98	37.73	35.34	59.69
TiO₂	0.01	0.03	3.48	0.04	0.02	2.33	0.03	5.88	0.00	4.94	0.00	0.00	0.00	1.85	0.00
Al₂O₃	26.22	20.98	19.59	27.36	21.46	24.85	21.59	17.45	27.72	19.12	21.93	25.78	19.93	18.97	25.04
FeO	0.69	33.33	21.16	0.25	34.55	12.45	33.12	19.45	0.31	19.91	34.93	0.12	33.95	17.95	0.35
MnO	0.04	1.16	0.09	0.02	1.43	0.04	0.55	0.05	0.00	0.00	1.21	0.02	2.07	0.05	0.02
Cr₂O₃	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00
MgO	0.01	4.70	8.51	0.00	4.06	5.17	4.64	9.54	0.00	8.87	4.27	0.00	4.73	10.57	0.02
CaO	7.18	2.01	0.02	8.23	1.53	0.07	2.66	0.00	8.09	0.00	1.67	5.81	0.87	0.00	6.59
Na₂O	7.60	0.02	0.87	7.11	0.04	0.19	0.01	0.29	7.17	0.22	0.03	8.32	0.03	0.14	6.19
K₂O	0.23	0.00	8.25	0.26	0.00	9.12	0.00	9.24	0.23	9.50	0.00	0.24	0.00	9.33	0.28
Total	100.04	99.18	96.79	99.64	99.85	96.07	100.19	97.26	101.33	98.64	101.95	100.28	99.33	94.21	98.20
Si	2.60	2.97	2.62	2.54	2.95	2.96	2.98	2.64	2.56	2.65	2.97	2.66	3.04	2.70	2.69
Ti	0.00	0.00	0.20	0.00	0.00	0.12	0.00	0.33	0.00	0.27	0.00	0.00	0.00	0.11	0.00
Al	1.39	1.99	1.74	1.45	2.03	2.07	2.02	1.54	1.45	1.66	2.03	1.35	1.89	1.71	1.33
Fe	0.03	2.24	1.33	0.01	2.32	0.74	2.20	1.22	0.01	1.22	2.29	0.00	2.29	1.15	0.01
Mn	0.00	0.08	0.01	0.00	0.10	0.00	0.04	0.00	0.00	0.00	0.08	0.00	0.14	0.00	0.00
Cr	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
Mg	0.00	0.56	0.95	0.00	0.49	0.55	0.55	1.06	0.00	0.97	0.50	0.00	0.57	1.20	0.00
Ca	0.35	0.17	0.00	0.40	0.13	0.01	0.23	0.00	0.38	0.00	0.14	0.28	0.08	0.00	0.32
Na	0.66	0.00	0.13	0.62	0.01	0.03	0.00	0.04	0.62	0.03	0.01	0.72	0.00	0.02	0.54
K	0.01	0.00	0.79	0.01	0.00	0.82	0.00	0.88	0.01	0.89	0.00	0.01	0.00	0.91	0.02
Total	13.04	20.03	18.77	13.05	20.03	18.30	20.01	18.72	13.03	18.71	20.02	13.03	20.01	18.80	12.92

	GP-4-04 gar 2	GP-4-04 bio 2	GP-2-04 plag incl. in gar 1	GP-2-04 core gar 1	GP-2-04 bio incl in gar 1	GP-2-04 rim gar 1	GP-2-04 plag near gar 1
SiO₂	37.85	35.22	61.52	38.10	34.12	36.83	57.60
TiO₂	0.00	2.37	0.00	0.00	0.04	0.01	0.00
Al₂O₃	20.69	18.63	25.22	20.33	21.57	21.29	25.81
FeO	33.66	18.40	0.09	33.46	22.67	33.71	0.05
MnO	2.03	0.04	0.01	0.90	0.02	1.20	0.02
Cr₂O₃	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MgO	4.53	10.29	0.00	4.40	8.06	4.33	0.00
CaO	1.08	0.00	6.62	2.10	0.06	2.00	6.30
Na₂O	0.04	0.15	6.29	0.05	0.13	0.02	7.96
K₂O	0.00	9.34	0.26	0.02	9.36	0.00	0.27
Total	99.89	94.44	100.01	99.37	96.04	99.40	98.00
Si	3.03	2.69	2.72	3.05	2.61	2.96	2.63
Ti	0.00	0.14	0.00	0.00	0.00	0.00	0.00
Al	1.95	1.68	1.31	1.92	1.95	2.02	1.39
Fe	2.25	1.18	0.00	2.24	1.45	2.27	0.00
Mn	0.14	0.00	0.00	0.06	0.00	0.08	0.00
Cr	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mg	0.54	1.17	0.00	0.53	0.92	0.52	0.00
Ca	0.09	0.00	0.31	0.18	0.00	0.17	0.31
Na	0.01	0.02	0.54	0.01	0.02	0.00	0.70
K	0.00	0.91	0.01	0.00	0.92	0.00	0.02
Total	20.00	18.80	12.90	19.99	18.88	20.03	13.04

Table DR2. Compositional data for garnet traverses

GP-5-04 garnet profile																					
X* (μm)	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400
SiO₂	37.66	37.70	37.66	37.69	37.46	37.55	37.84	37.68	37.87	37.70	38.03	37.67	38.02	37.81	37.99	38.03	38.06	37.97	38.18	37.86	38.07
TiO₂	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	0.01	0.00	0.00	0.00	0.00	0.02	0.01
Al₂O₃	21.37	21.38	21.45	21.51	21.11	21.31	21.64	21.68	21.48	21.57	21.56	21.44	21.56	21.55	21.56	21.52	21.65	21.64	21.74	21.58	21.53
FeO	33.71	33.63	34.01	32.87	33.04	32.93	32.68	33.28	33.10	32.85	33.33	32.63	32.33	32.71	32.24	32.79	32.30	31.84	33.09	33.02	32.70
MnO	2.83	2.96	2.68	2.39	2.31	2.18	2.18	2.13	2.01	1.88	1.75	1.72	1.61	1.66	1.64	1.53	1.56	1.60	1.56	1.59	1.53
Cr₂O₃	0.01	0.01	0.01	0.01	0.05	0.09	0.04	0.00	0.02	0.00	0.00	0.00	0.01	0.03	0.01	0.02	0.01	0.03	0.01	0.02	0.05
MgO	3.95	4.10	4.29	4.46	4.48	4.60	4.65	4.87	4.91	4.81	5.04	5.03	4.91	5.15	5.02	5.06	5.09	5.06	5.09	4.97	4.90
CaO	0.74	0.75	0.81	0.93	1.05	1.08	1.36	1.13	1.31	1.39	1.31	1.10	1.55	1.57	1.68	1.68	1.66	1.63	1.52	1.72	1.74
Na₂O	0.02	0.01	0.03	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.00	0.01	0.01	0.00	0.01	0.02	0.03	0.02	0.01	0.03	0.00
K₂O	0.01	0.02	0.00	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	0.00	0.01	0.00	0.00	0.01
Total	100.31	100.59	100.94	99.89	99.51	99.75	100.44	100.77	100.73	100.20	101.03	99.60	100.02	100.48	100.17	100.65	100.36	99.78	101.22	100.82	100.54
Si	3.00	3.00	2.99	3.00	3.00	3.00	3.00	2.98	2.99	2.99	2.99	3.00	3.01	2.99	3.00	3.00	3.00	3.01	2.99	2.99	3.00
Ti	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	0.00	0.00	0.00	0.00
Al	2.01	2.00	2.01	2.02	1.99	2.01	2.02	2.02	2.00	2.02	2.00	2.01	2.01	2.01	2.01	2.00	2.01	2.02	2.01	2.01	2.00
Fe	2.25	2.24	2.26	2.19	2.22	2.20	2.16	2.20	2.19	2.18	2.19	2.17	2.14	2.16	2.13	2.16	2.13	2.11	2.17	2.18	2.16
Mn	0.19	0.20	0.18	0.16	0.16	0.15	0.15	0.14	0.13	0.13	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.11	0.10	0.11	0.10
Cr	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00
Mg	0.47	0.49	0.51	0.53	0.53	0.55	0.55	0.57	0.58	0.57	0.59	0.60	0.58	0.61	0.59	0.59	0.60	0.60	0.60	0.58	0.58
Ca	0.06	0.06	0.07	0.08	0.09	0.09	0.12	0.10	0.11	0.12	0.11	0.09	0.13	0.13	0.14	0.14	0.14	0.14	0.13	0.14	0.15
Na	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	0.00	0.00	0.00	0.00
K	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	0.00	0.00	0.00	0.00
Total	19.99	20.00	20.01	19.99	20.00	20.00	20.00	20.01	20.01	20.00	20.01	19.99	19.98	20.01	19.99	20.00	19.99	19.98	20.00	20.01	19.99
Alm	0.756	0.749	0.749	0.740	0.739	0.736	0.727	0.730	0.727	0.728	0.728	0.729	0.723	0.718	0.716	0.720	0.716	0.714	0.724	0.723	0.723
Sps	0.064	0.067	0.060	0.055	0.052	0.049	0.049	0.047	0.045	0.042	0.039	0.039	0.037	0.037	0.037	0.034	0.035	0.036	0.034	0.035	0.034
Pyp	0.158	0.163	0.169	0.179	0.179	0.183	0.185	0.191	0.192	0.190	0.196	0.200	0.196	0.201	0.199	0.198	0.201	0.202	0.199	0.194	0.193
Grs	0.021	0.021	0.023	0.027	0.030	0.031	0.039	0.032	0.037	0.040	0.037	0.031	0.045	0.044	0.048	0.047	0.047	0.047	0.043	0.048	0.049
FM	0.827	0.821	0.816	0.805	0.805	0.801	0.797	0.793	0.791	0.793	0.788	0.784	0.787	0.781	0.783	0.784	0.781	0.779	0.785	0.788	0.789

* Distance from garnet rim

Alm = almandine, Sps = spessartine, Pyp = pyrope, Grs = grossular, FM = Fe/(Fe+Mg)

X (μm)	420	440	460	480	500	520	540	560	580	600	620	640	660	680	700	720	740	760	780	800
SiO₂	37.87	38.18	38.15	38.29	38.23	38.12	38.07	38.36	38.34	38.30	38.38	38.17	38.24	38.06	38.10	38.05	38.08	37.99	38.25	37.86
TiO₂	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.17	0.03	0.00	0.01	0.00
Al₂O₃	21.66	21.90	21.81	21.78	21.81	21.75	21.87	21.56	21.76	21.69	21.51	21.68	21.42	21.55	21.71	21.60	21.46	21.53	21.59	21.45
FeO	32.66	32.36	32.09	31.99	32.18	32.22	32.62	32.11	32.09	32.06	32.18	32.27	31.77	32.69	32.14	32.32	31.93	31.75	32.33	31.88
MnO	1.51	1.45	1.48	1.58	1.43	1.51	1.45	1.42	1.48	1.36	1.38	1.50	1.51	1.54	1.56	1.50	1.48	1.47	1.43	1.38
Cr₂O₃	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.06	0.08	0.07	0.07	0.06	0.02	0.00	0.00	0.06
MgO	5.08	5.14	5.11	5.10	5.14	5.09	5.18	5.21	5.27	5.28	5.17	5.24	5.10	5.19	5.21	5.29	5.18	5.21	5.23	5.29
CaO	1.44	1.67	1.80	1.75	1.66	1.78	1.84	1.81	1.84	1.82	1.85	1.84	1.86	1.91	1.89	1.87	1.87	1.82	1.82	1.78
Na₂O	0.01	0.02	0.00	0.00	0.03	0.00	0.01	0.02	0.00	0.00	0.00	0.02	0.03	0.01	0.02	0.02	0.02	0.02	0.02	0.03
K₂O	0.00	0.01	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	0.00	0.00	0.00	0.01	0.01
Total	100.24	100.75	100.48	100.49	100.48	100.47	101.05	100.51	100.80	100.51	100.51	100.77	100.00	101.03	100.74	100.89	100.06	99.80	100.70	99.73
Si	2.99	3.00	3.00	3.01	3.01	3.00	2.99	3.02	3.01	3.01	3.02	3.00	3.02	2.99	2.99	2.99	3.01	3.01	3.01	3.00
Ti	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	0.00
Al	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.00	2.01	2.01	1.99	2.01	1.99	2.00	2.01	2.00	2.00	2.01	2.00	2.00
Fe	2.16	2.12	2.11	2.10	2.12	2.12	2.14	2.11	2.10	2.11	2.12	2.12	2.10	2.15	2.11	2.12	2.11	2.10	2.12	2.11
Mn	0.10	0.10	0.10	0.11	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09
Cr	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	0.00	0.00	0.00
Mg	0.60	0.60	0.60	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.61	0.61	0.60	0.61	0.61	0.62	0.61	0.61	0.61	0.62
Ca	0.12	0.14	0.15	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15
Na	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	0.00	0.00	0.00
K	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	0.00	0.00	0.00
Total	20.00	19.99	19.99	19.98	19.99	19.99	20.01	19.99	19.99	19.99	19.98	20.00	19.98	20.01	20.00	20.00	19.99	19.99	20.00	20.00
Alm	0.724	0.717	0.713	0.712	0.716	0.715	0.714	0.711	0.708	0.710	0.713	0.709	0.710	0.711	0.708	0.708	0.709	0.708	0.712	0.709
Sps	0.034	0.033	0.033	0.036	0.032	0.034	0.032	0.032	0.033	0.031	0.031	0.033	0.034	0.034	0.035	0.033	0.033	0.033	0.032	0.031
Pyp	0.201	0.203	0.203	0.202	0.204	0.201	0.202	0.206	0.207	0.208	0.204	0.205	0.203	0.201	0.204	0.206	0.205	0.207	0.205	0.209
Grs	0.041	0.047	0.051	0.050	0.047	0.051	0.052	0.051	0.052	0.052	0.053	0.052	0.053	0.053	0.053	0.053	0.053	0.052	0.051	0.051
FM	0.783	0.779	0.779	0.779	0.778	0.780	0.779	0.776	0.773	0.773	0.777	0.776	0.778	0.779	0.776	0.774	0.776	0.774	0.776	0.772

NB-02-78B garnet traverse

X (µm)	0	40	80	120	160	200	240	280	320	360	400	440	480	520	560	600	640	680
SiO₂	37.83	38.01	38.05	37.82	37.70	37.60	37.77	37.54	37.84	37.54	37.45	37.60	37.47	37.65	37.73	37.54	37.29	37.61
TiO₂	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	0.00
Al₂O₃	20.74	20.63	20.63	20.76	20.64	20.50	20.54	20.34	20.54	20.17	20.32	20.30	20.30	20.34	20.32	20.34	20.13	20.06
FeO	35.68	37.03	36.88	37.07	36.67	36.10	36.50	36.10	36.08	35.76	35.58	36.00	35.09	36.12	35.63	36.28	35.78	35.91
MnO	4.00	1.01	1.32	1.74	2.43	2.91	3.44	3.56	3.52	3.65	3.79	3.69	3.85	3.83	3.75	3.67	3.59	3.40
Cr₂O₃	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	0.00
MgO	1.70	2.42	2.39	2.28	2.02	1.73	1.68	1.59	1.56	1.56	1.55	1.54	1.55	1.54	1.50	1.55	1.59	1.65
CaO	1.47	1.96	1.84	1.32	1.54	1.35	1.21	1.19	1.35	1.40	1.41	1.32	1.36	1.40	1.44	1.32	1.43	1.20
Na₂O	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
K₂O	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	0.00
Total	101.43	101.06	101.10	100.99	101.02	100.18	101.13	100.32	100.90	100.08	100.11	100.45	99.62	100.89	100.37	100.70	99.81	99.83
Si	3.03	3.04	3.04	3.03	3.03	3.05	3.04	3.05	3.05	3.05	3.04	3.05	3.05	3.04	3.06	3.04	3.04	3.06
Ti	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	0.00
Al	1.96	1.94	1.94	1.96	1.96	1.96	1.95	1.95	1.95	1.93	1.95	1.94	1.95	1.94	1.94	1.94	1.94	1.93
Fe	2.39	2.48	2.47	2.49	2.47	2.45	2.46	2.45	2.43	2.43	2.42	2.44	2.39	2.44	2.41	2.46	2.44	2.45
Mn	0.27	0.07	0.09	0.12	0.17	0.20	0.23	0.24	0.24	0.25	0.26	0.25	0.27	0.26	0.26	0.25	0.25	0.23
Cr	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	0.00
Mg	0.20	0.29	0.28	0.27	0.24	0.21	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.19	0.19	0.20
Ca	0.13	0.17	0.16	0.11	0.13	0.12	0.10	0.10	0.12	0.12	0.12	0.11	0.12	0.12	0.12	0.11	0.13	0.10
Na	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	0.00
K	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	0.00
Total	19.99	19.99	19.99	19.99	19.99	19.97	19.99	19.98	19.98	19.98	19.98	19.98	19.97	19.99	19.97	19.99	19.99	19.97
Alm	0.799	0.825	0.823	0.832	0.820	0.823	0.820	0.819	0.817	0.812	0.809	0.815	0.807	0.811	0.811	0.816	0.812	0.819
Sps	0.091	0.023	0.030	0.040	0.055	0.067	0.078	0.082	0.081	0.084	0.087	0.085	0.090	0.087	0.086	0.084	0.082	0.079
Pyp	0.068	0.096	0.095	0.091	0.081	0.070	0.067	0.064	0.063	0.063	0.063	0.062	0.064	0.062	0.061	0.062	0.064	0.067
Grs	0.042	0.056	0.052	0.038	0.044	0.039	0.035	0.034	0.039	0.041	0.041	0.038	0.040	0.040	0.042	0.038	0.042	0.035
FM	0.922	0.896	0.897	0.901	0.910	0.921	0.924	0.927	0.928	0.928	0.928	0.929	0.927	0.929	0.930	0.929	0.926	0.924

IG-2D-01 garnet profile

X (µm)	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340
SiO₂	35.93	36.13	36.14	36.35	36.28	36.22	36.15	36.12	35.95	35.87	36.27	36.46	36.09	36.36	36.38	36.36	36.09	36.10
TiO₂	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	0.00
Al₂O₃	18.88	18.97	19.28	18.94	19.17	19.35	19.16	19.33	19.35	19.24	19.32	19.22	19.06	19.04	19.02	18.74	18.85	19.17
FeO	32.47	31.47	30.15	29.66	29.95	30.09	29.89	30.02	30.16	29.85	29.84	29.87	30.15	30.74	31.00	30.97	30.80	31.47
MnO	1.69	1.21	1.06	0.91	0.93	0.91	0.94	1.05	0.97	0.95	1.04	1.09	1.08	0.89	0.95	0.88	0.95	1.03
Cr₂O₃	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	0.00
MgO	1.06	1.10	1.04	1.01	1.06	1.01	0.98	0.99	1.00	1.03	0.97	1.00	1.03	0.96	1.00	0.95	0.96	0.95
CaO	6.52	7.86	9.34	9.65	9.64	9.68	9.57	9.53	9.77	9.46	9.48	9.16	9.16	9.11	8.96	8.94	8.78	8.53
Na₂O	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.03	0.00	0.01	0.01	0.01	0.00	0.00
K₂O	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	0.00
Total	96.55	96.73	97.02	96.53	97.03	97.26	96.68	97.04	97.22	96.42	96.92	96.82	96.57	97.09	97.33	96.85	96.43	97.24
Si	3.03	3.03	3.01	3.04	3.02	3.01	3.02	3.01	2.99	3.01	3.02	3.04	3.02	3.03	3.03	3.04	3.03	3.01
Ti	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	0.00
Al	1.87	1.87	1.89	1.87	1.88	1.89	1.89	1.90	1.90	1.90	1.90	1.89	1.88	1.87	1.87	1.85	1.87	1.88
Fe	2.29	2.21	2.10	2.07	2.08	2.09	2.09	2.09	2.10	2.09	2.08	2.08	2.11	2.14	2.16	2.17	2.16	2.20
Mn	0.12	0.09	0.08	0.06	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.06	0.07	0.06	0.07	0.07
Cr	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	0.00
Mg	0.13	0.14	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.13	0.12	0.12	0.13	0.12	0.12	0.12	0.12	0.12
Ca	0.59	0.71	0.83	0.86	0.86	0.86	0.86	0.85	0.87	0.85	0.85	0.82	0.82	0.81	0.80	0.80	0.79	0.76
Na	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	0.00	0.00
K	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	0.00
Total	20.03	20.04	20.04	20.03	20.04	20.04	20.04	20.04	20.06	20.05	20.03	20.02	20.04	20.04	20.04	20.04	20.04	20.05
Alm	0.731	0.704	0.669	0.663	0.664	0.665	0.667	0.666	0.664	0.667	0.667	0.672	0.673	0.683	0.686	0.688	0.689	0.697
Sps	0.039	0.027	0.024	0.020	0.021	0.020	0.021	0.024	0.022	0.022	0.024	0.025	0.024	0.020	0.021	0.020	0.022	0.023
Pyp	0.043	0.044	0.041	0.040	0.042	0.040	0.039	0.039	0.039	0.041	0.039	0.040	0.041	0.038	0.039	0.038	0.038	0.038
Grs	0.188	0.225	0.266	0.276	0.274	0.274	0.273	0.271	0.275	0.271	0.271	0.264	0.262	0.259	0.254	0.254	0.251	0.242
FM	0.945	0.941	0.942	0.943	0.941	0.944	0.945	0.945	0.944	0.942	0.945	0.944	0.943	0.947	0.946	0.948	0.947	0.949

X (µm)	360	380	400	420	440	460	480	500	520	540	560	580	600	620	640	660
SiO₂	36.33	36.12	36.16	36.03	36.28	36.39	36.29	35.97	38.43	36.44	36.36	36.24	36.20	35.96	36.09	36.02

TiO₂	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
Al₂O₃	19.40	18.89	18.95	18.78	18.90	18.92	18.97	18.77	20.18	18.78	19.11	19.13	19.11	19.18	19.11	19.03
FeO	31.06	31.41	31.79	31.88	32.42	31.23	32.10	32.02	30.30	32.72	32.56	32.47	33.17	33.01	33.15	32.79
MnO	0.97	1.00	1.00	1.04	1.01	0.99	1.03	1.06	0.80	0.92	0.92	0.90	0.94	0.82	0.83	0.85
Cr₂O₃	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
MgO	0.84	0.90	0.94	0.96	0.91	0.96	0.93	0.95	1.05	0.89	0.88	0.87	0.91	0.88	0.81	0.86
CaO	8.23	8.46	8.32	8.34	8.18	8.18	8.22	8.21	7.76	8.01	7.96	7.80	8.01	7.91	7.91	8.07
Na₂O	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.02	0.05	0.00	0.00	0.00	0.01	0.00	0.02	0.00
K₂O	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
Total	96.84	96.77	97.16	97.03	97.70	96.67	97.55	97.00	98.58	97.77	97.80	97.42	98.35	97.76	97.92	97.61
Si	3.03	3.03	3.02	3.02	3.02	3.05	3.02	3.02	3.11	3.03	3.02	3.02	3.00	3.00	3.01	3.01
Ti	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
Al	1.91	1.87	1.87	1.85	1.86	1.87	1.86	1.86	1.92	1.84	1.87	1.88	1.87	1.89	1.88	1.87
Fe	2.17	2.20	2.22	2.23	2.26	2.19	2.24	2.25	2.05	2.28	2.26	2.27	2.30	2.30	2.31	2.29
Mn	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.06	0.07	0.07	0.06	0.07	0.06	0.06	0.06
Cr	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
Mg	0.10	0.11	0.12	0.12	0.11	0.12	0.12	0.12	0.13	0.11	0.11	0.11	0.11	0.11	0.10	0.11
Ca	0.74	0.76	0.74	0.75	0.73	0.73	0.73	0.74	0.67	0.71	0.71	0.70	0.71	0.71	0.71	0.72
Na	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	0.00	0.00
K	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
Total	20.02	20.04	20.04	20.05	20.05	20.02	20.05	20.06	19.94	20.05	20.04	20.04	20.06	20.06	20.06	20.06
Alm	0.705	0.700	0.704	0.703	0.712	0.703	0.708	0.707	0.706	0.719	0.720	0.723	0.721	0.725	0.728	0.720
Sps	0.022	0.023	0.022	0.023	0.023	0.023	0.023	0.024	0.019	0.021	0.021	0.020	0.021	0.018	0.018	0.019
Pyp	0.034	0.036	0.037	0.038	0.036	0.038	0.037	0.037	0.044	0.035	0.035	0.034	0.035	0.034	0.032	0.034
Grs	0.239	0.241	0.236	0.236	0.230	0.236	0.232	0.232	0.232	0.225	0.225	0.223	0.223	0.223	0.222	0.227
FM	0.954	0.951	0.950	0.949	0.952	0.948	0.951	0.950	0.942	0.954	0.954	0.955	0.953	0.955	0.958	0.956

M(00)gs-149 garnet traverse

X (μm)	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380
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SiO₂	37.63	37.82	37.78	37.90	37.94	37.92	37.83	38.03	37.91	37.97	37.98	38.00	38.00	37.98	37.92	37.86	37.90	37.97	37.52	37.81
TiO₂	0.00	0.04	0.05	0.00	0.04	0.00	0.04	0.01	0.00	0.05	0.03	0.00	0.02	0.02	0.01	0.00	0.00	0.01	0.05	0.00
Al₂O₃	20.58	20.40	20.54	20.62	20.54	20.65	20.46	20.60	20.63	20.72	20.59	20.80	20.73	20.62	20.52	20.61	20.61	20.55	20.57	20.32
FeO	28.71	27.48	26.87	27.74	27.02	26.65	26.98	27.18	26.30	26.45	26.47	26.45	26.88	26.54	26.56	26.71	26.59	26.72	26.43	26.52
MnO	1.16	0.90	0.72	0.59	0.67	0.63	0.61	0.62	0.60	0.72	0.63	0.69	0.65	0.61	0.69	0.75	0.69	0.85	0.64	0.59
Cr₂O₃	0.00	0.02	0.03	0.04	0.00	0.05	0.00	0.00	0.00	0.05	0.03	0.01	0.02	0.01	0.02	0.02	0.03	0.00	0.02	0.01
MgO	4.46	4.65	4.86	4.97	5.29	5.33	5.30	5.47	5.50	5.44	5.41	5.50	5.62	5.51	5.48	5.50	5.46	5.37	5.32	5.29
CaO	5.88	6.69	6.76	6.85	6.90	7.01	7.05	7.10	7.13	7.06	7.04	6.98	6.99	6.87	6.97	6.93	7.12	7.03	7.13	7.22
Na₂O	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	0.00	0.00	0.03
K₂O	0.01	0.00	0.01	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	0.00	0.00	0.00	0.00
Total	98.41	98.00	97.62	98.71	98.41	98.24	98.27	99.00	98.07	98.46	98.19	98.42	98.92	98.15	98.17	98.38	98.41	98.50	97.68	97.80
Si	3.02	3.03	3.03	3.02	3.02	3.02	3.02	3.01	3.02	3.02	3.02	3.02	3.01	3.02	3.02	3.01	3.01	3.02	3.01	3.03
Ti	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	0.00	0.00	0.00
Al	1.95	1.93	1.94	1.93	1.93	1.94	1.92	1.92	1.94	1.94	1.93	1.95	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.92
Fe	1.93	1.84	1.80	1.85	1.80	1.77	1.80	1.80	1.75	1.76	1.76	1.76	1.78	1.77	1.77	1.78	1.77	1.78	1.77	1.78
Mn	0.08	0.06	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.04	0.04	0.05	0.05	0.05	0.06	0.04	0.04
Cr	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	0.00	0.00	0.00
Mg	0.53	0.56	0.58	0.59	0.63	0.63	0.63	0.65	0.65	0.64	0.64	0.65	0.66	0.65	0.65	0.65	0.65	0.64	0.64	0.63
Ca	0.51	0.58	0.58	0.58	0.59	0.60	0.60	0.60	0.61	0.60	0.60	0.59	0.59	0.59	0.59	0.59	0.61	0.60	0.61	0.62
Na	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	0.00	0.00	0.00
K	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	0.00	0.00	0.00
Total	20.01	20.00	19.99	20.01	20.01	20.01	20.02	20.03	20.01	20.01	20.01	20.01	20.02	20.01	20.01	20.02	20.02	20.02	20.02	20.02
Alm	0.633	0.607	0.598	0.603	0.588	0.582	0.586	0.583	0.574	0.576	0.578	0.577	0.578	0.580	0.578	0.579	0.576	0.579	0.578	0.579
Sps	0.026	0.020	0.016	0.013	0.015	0.014	0.013	0.013	0.013	0.016	0.014	0.015	0.014	0.013	0.015	0.017	0.015	0.019	0.014	0.013
Pyp	0.175	0.183	0.193	0.193	0.205	0.208	0.205	0.209	0.214	0.211	0.211	0.214	0.215	0.215	0.213	0.212	0.211	0.207	0.208	0.206
Grs	0.166	0.189	0.193	0.191	0.192	0.196	0.196	0.195	0.199	0.197	0.197	0.195	0.192	0.192	0.194	0.192	0.198	0.195	0.200	0.202
FM	0.783	0.768	0.756	0.758	0.741	0.737	0.741	0.736	0.728	0.732	0.733	0.730	0.728	0.730	0.731	0.731	0.732	0.736	0.736	0.738

X (μm)	400	420	440	460	480	500	520	540	560	580	600	620	640	660	680	700	720	740	760
SiO₂	37.98	37.74	37.80	37.87	37.46	37.69	37.98	37.83	37.67	37.74	37.80	37.88	37.72	37.35	37.47	37.96	37.68	37.71	37.78
TiO₂	0.04	0.02	0.05	0.00	0.04	0.01	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.04	0.02	0.02	0.02	0.00	0.01

Al₂O₃	20.49	20.67	20.59	20.65	20.16	20.49	20.49	20.25	20.38	20.37	20.27	20.34	20.34	20.42	20.18	20.17	20.29	20.02	20.31
FeO	26.53	26.40	26.34	26.70	26.59	26.67	26.03	26.34	26.47	26.43	26.07	26.11	26.32	25.99	26.19	25.85	26.34	26.26	26.39
MnO	0.69	0.72	0.70	0.66	0.78	0.79	0.74	0.78	0.77	0.74	0.72	0.74	0.80	0.79	0.84	0.79	0.87	0.85	0.74
Cr₂O₃	0.00	0.02	0.07	0.00	0.03	0.05	0.04	0.01	0.06	0.01	0.03	0.00	0.03	0.05	0.00	0.00	0.02	0.00	0.04
MgO	5.41	5.42	5.34	5.47	5.28	5.35	5.31	5.27	5.39	5.42	5.35	5.17	5.28	5.32	5.23	5.32	5.24	5.16	5.21
CaO	7.06	7.06	7.05	7.06	7.15	7.04	7.10	7.13	7.13	7.07	7.07	7.10	7.17	7.06	7.21	7.19	7.11	7.02	7.16
Na₂O	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
K₂O	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	0.00	0.00
Total	98.21	98.05	97.94	98.41	97.49	98.09	97.72	97.66	97.92	97.80	97.34	97.39	97.70	97.02	97.16	97.30	97.56	97.04	97.63
Si	3.02	3.01	3.02	3.01	3.02	3.01	3.03	3.03	3.01	3.02	3.03	3.04	3.02	3.01	3.02	3.05	3.03	3.04	3.03
Ti	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	0.00	0.00
Al	1.92	1.94	1.94	1.94	1.91	1.93	1.93	1.91	1.92	1.92	1.92	1.92	1.92	1.94	1.92	1.91	1.92	1.90	1.92
Fe	1.77	1.76	1.76	1.78	1.79	1.78	1.74	1.77	1.77	1.77	1.75	1.75	1.76	1.75	1.77	1.73	1.77	1.77	1.77
Mn	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.06	0.05
Cr	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	0.00	0.00
Mg	0.64	0.64	0.64	0.65	0.63	0.64	0.63	0.63	0.64	0.65	0.64	0.62	0.63	0.64	0.63	0.64	0.63	0.62	0.62
Ca	0.60	0.60	0.60	0.60	0.62	0.60	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.61	0.62	0.62	0.61	0.61	0.62
Na	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	0.00	0.00
K	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	0.00	0.00
Total	20.01	20.02	20.01	20.02	20.03	20.02	20.00	20.01	20.02	20.02	20.00	20.00	20.01	20.01	20.02	20.00	20.01	20.01	20.01
Alm	0.578	0.576	0.578	0.578	0.579	0.579	0.574	0.577	0.576	0.576	0.574	0.578	0.575	0.574	0.574	0.570	0.577	0.579	0.579
Sps	0.015	0.016	0.016	0.015	0.017	0.017	0.017	0.017	0.017	0.016	0.016	0.017	0.018	0.018	0.019	0.018	0.019	0.019	0.016
Pyp	0.210	0.211	0.209	0.211	0.205	0.207	0.209	0.206	0.209	0.211	0.210	0.204	0.206	0.209	0.204	0.209	0.204	0.203	0.204
Grs	0.197	0.197	0.198	0.196	0.199	0.196	0.201	0.200	0.199	0.197	0.200	0.201	0.201	0.200	0.203	0.203	0.200	0.198	0.201
FM	0.733	0.732	0.735	0.733	0.739	0.736	0.733	0.737	0.734	0.732	0.732	0.739	0.737	0.733	0.737	0.732	0.738	0.740	0.740

X (μm)	780	800	820	840	860	880	900	920	940	960	980
SiO₂	37.70	37.45	37.81	37.90	37.57	37.49	37.59	37.45	37.49	37.42	36.14
TiO₂	0.01	0.00	0.01	0.00	0.00	0.05	0.00	0.05	0.02	0.03	0.03

Al₂O₃	20.10	20.40	20.50	20.23	20.09	20.11	20.17	20.17	20.17	20.28	19.33
FeO	26.13	26.53	26.45	26.62	25.86	26.52	26.17	26.00	25.97	26.33	26.05
MnO	0.72	0.89	0.84	0.86	0.89	0.95	0.82	0.87	0.80	0.80	0.83
Cr₂O₃	0.04	0.00	0.00	0.01	0.04	0.03	0.03	0.00	0.00	0.01	0.01
MgO	5.18	5.20	5.32	5.14	5.16	5.15	5.12	5.15	5.16	5.14	5.02
CaO	7.17	7.11	7.03	7.12	7.14	7.10	7.18	7.04	7.12	7.16	6.97
Na₂O	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.01
K₂O	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	97.06	97.59	97.97	97.88	96.75	97.42	97.10	96.74	96.72	97.18	94.39
Si	3.04	3.01	3.02	3.04	3.04	3.02	3.03	3.03	3.03	3.02	3.01
Ti	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al	1.91	1.93	1.93	1.91	1.91	1.91	1.92	1.92	1.92	1.93	1.90
Fe	1.76	1.78	1.77	1.78	1.75	1.79	1.77	1.76	1.76	1.78	1.82
Mn	0.05	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.05	0.05	0.06
Cr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mg	0.62	0.62	0.63	0.61	0.62	0.62	0.62	0.62	0.62	0.62	0.62
Ca	0.62	0.61	0.60	0.61	0.62	0.61	0.62	0.61	0.62	0.62	0.62
Na	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	20.01	20.02	20.01	20.01	20.00	20.02	20.01	20.01	20.01	20.02	20.04
Alm	0.577	0.579	0.578	0.582	0.573	0.579	0.577	0.577	0.576	0.579	0.582
Sps	0.016	0.020	0.019	0.019	0.020	0.021	0.018	0.019	0.018	0.018	0.019
Pyp	0.204	0.202	0.207	0.200	0.204	0.201	0.201	0.204	0.204	0.201	0.200
Grs	0.203	0.199	0.197	0.199	0.203	0.199	0.203	0.200	0.202	0.202	0.199
FM	0.739	0.741	0.736	0.744	0.738	0.743	0.741	0.739	0.739	0.742	0.744

IG-7-01 garnet traverse

X (μm)	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380
SiO₂	37.31	37.67	37.52	37.88	39.09	37.68	37.78	37.88	37.83	38.09	38.06	37.99	36.63	37.99	37.77	37.97	26.12	37.99	37.77	38.06

TiO₂	0.00	0.01	0.01	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.01	0.11	0.04	0.02	0.00
Al₂O₃	20.56	20.62	20.75	20.81	21.51	20.66	21.00	20.85	20.79	21.01	20.91	20.90	20.19	20.86	20.76	20.78	14.18	20.62	20.69	20.79
FeO	31.07	31.31	30.15	29.91	29.67	30.88	30.69	30.82	30.44	30.11	29.90	30.61	28.73	29.59	29.60	29.55	23.53	29.86	30.11	29.68
MnO	3.68	3.73	3.58	3.39	3.37	3.46	3.38	3.45	3.34	3.26	3.18	2.88	2.90	2.91	2.77	2.72	2.21	2.75	2.55	2.43
Cr₂O₃	0.02	0.02	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.03	0.00	0.01	0.10	0.03	0.01	0.00
MgO	3.56	3.50	3.34	3.32	3.13	3.43	3.55	3.49	3.46	3.42	3.38	3.46	3.23	3.42	3.47	3.49	2.06	3.52	3.53	3.49
CaO	2.15	2.90	3.78	4.58	4.42	4.00	3.24	3.47	3.92	4.34	4.39	4.52	4.38	4.59	4.87	4.89	4.89	5.11	5.17	5.43
Na₂O	0.01	0.00	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	0.09	0.00	0.00	0.00
K₂O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
Total	98.36	99.75	99.15	99.89	101.21	100.14	99.65	99.97	99.79	100.25	99.84	100.34	96.10	99.40	99.23	99.41	73.34	99.92	99.86	99.90
Si	3.03	3.02	3.02	3.02	3.06	3.01	3.02	3.03	3.03	3.03	3.03	3.02	3.03	3.04	3.03	3.03	2.91	3.03	3.02	3.03
Ti	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
Al	1.97	1.95	1.97	1.96	1.98	1.95	1.98	1.96	1.96	1.97	1.96	1.96	1.97	1.96	1.96	1.96	1.86	1.94	1.95	1.95
Fe	2.11	2.10	2.03	2.00	1.94	2.07	2.05	2.06	2.04	2.00	1.99	2.04	1.99	1.98	1.98	1.97	2.19	1.99	2.01	1.98
Mn	0.25	0.25	0.24	0.23	0.22	0.23	0.23	0.23	0.23	0.22	0.21	0.19	0.20	0.20	0.19	0.18	0.21	0.19	0.17	0.16
Cr	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
Mg	0.43	0.42	0.40	0.40	0.36	0.41	0.42	0.42	0.41	0.41	0.40	0.41	0.40	0.41	0.41	0.42	0.34	0.42	0.42	0.41
Ca	0.19	0.25	0.33	0.39	0.37	0.34	0.28	0.30	0.34	0.37	0.37	0.38	0.39	0.39	0.42	0.42	0.58	0.44	0.44	0.46
Na	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	0.02	0.00	0.00	0.00
K	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
Total	19.98	20.00	19.99	20.00	19.95	20.01	19.99	19.99	20.00	19.99	19.98	20.00	19.98	19.98	19.99	19.99	20.15	20.00	20.01	20.00
Alm	0.708	0.695	0.676	0.663	0.669	0.677	0.688	0.685	0.676	0.668	0.668	0.673	0.667	0.665	0.660	0.660	0.659	0.657	0.660	0.655
Sps	0.085	0.084	0.081	0.076	0.077	0.077	0.077	0.078	0.075	0.073	0.072	0.064	0.068	0.066	0.063	0.061	0.063	0.061	0.057	0.054
Pyp	0.145	0.139	0.134	0.131	0.126	0.134	0.142	0.138	0.137	0.135	0.135	0.136	0.134	0.137	0.138	0.139	0.103	0.138	0.138	0.137
Grs	0.063	0.083	0.109	0.130	0.128	0.112	0.093	0.099	0.112	0.123	0.126	0.127	0.130	0.132	0.139	0.140	0.176	0.144	0.145	0.153
FM	0.830	0.834	0.835	0.835	0.842	0.835	0.829	0.832	0.831	0.831	0.832	0.832	0.833	0.829	0.827	0.826	0.865	0.826	0.827	0.827

X (μm)	400	420	440	460	480	500	520	540	560	580	600	620	640	660	680	700	720	740	760
SiO₂	38.14	37.92	38.24	38.02	38.17	38.36	30.38	38.17	38.34	38.29	38.26	38.29	38.00	38.28	38.01	38.15	38.18	38.07	38.02
TiO₂	0.03	0.00	0.02	0.00	0.01	0.00	0.08	0.01	0.02	0.02	0.00	0.04	0.00	0.00	0.01	0.03	0.03	0.00	0.04
Al₂O₃	21.05	20.99	20.98	21.08	20.93	20.78	17.50	21.02	20.89	20.96	21.00	20.92	21.10	20.96	21.03	20.74	20.93	20.96	20.95

FeO	29.66	29.92	29.36	29.31	29.25	30.14	24.18	29.81	29.54	29.82	29.41	29.89	30.00	29.43	30.07	29.88	29.74	29.89	29.81
MnO	2.35	2.19	2.24	2.19	2.03	2.06	1.21	1.92	1.73	1.66	1.91	1.74	1.83	1.67	1.67	1.67	1.65	1.67	1.59
Cr₂O₃	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.02	0.00	0.05
MgO	3.53	3.63	3.63	3.66	3.64	3.74	2.15	3.71	3.80	3.75	3.79	3.84	3.73	3.80	3.81	3.82	3.84	3.84	3.76
CaO	5.63	5.73	5.78	5.64	5.79	5.72	3.94	5.76	5.85	5.78	5.87	5.86	5.76	5.85	5.84	5.81	5.66	5.68	5.64
Na₂O	0.00	0.00	0.00	0.01	0.00	0.00	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
K₂O	0.00	0.00	0.00	0.00	0.00	0.00	0.10	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	100.38	100.38	100.26	99.94	99.82	100.81	79.60	100.42	100.18	100.30	100.25	100.59	100.42	100.01	100.46	100.10	100.05	100.11	99.85
Si	3.02	3.01	3.03	3.02	3.03	3.03	3.02	3.02	3.03	3.03	3.02	3.02	3.01	3.03	3.01	3.03	3.02	3.02	3.02
Ti	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al	1.96	1.96	1.96	1.97	1.96	1.93	2.05	1.96	1.95	1.95	1.96	1.94	1.97	1.96	1.96	1.94	1.95	1.96	1.96
Fe	1.96	1.98	1.94	1.94	1.94	1.99	2.01	1.97	1.95	1.97	1.94	1.97	1.99	1.95	1.99	1.98	1.97	1.98	1.98
Mn	0.16	0.15	0.15	0.15	0.14	0.14	0.10	0.13	0.12	0.11	0.13	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11
Cr	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	0.00	0.00
Mg	0.42	0.43	0.43	0.43	0.43	0.44	0.32	0.44	0.45	0.44	0.45	0.45	0.44	0.45	0.45	0.45	0.45	0.45	0.45
Ca	0.48	0.49	0.49	0.48	0.49	0.48	0.42	0.49	0.50	0.49	0.50	0.50	0.49	0.50	0.49	0.49	0.48	0.48	0.48
Na	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
K	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	20.00	20.01	19.99	20.00	19.99	20.01	19.96	20.00	19.99	20.00	20.00	20.00	20.01	19.99	20.01	20.00	20.00	20.00	20.00
Alm	0.651	0.651	0.645	0.647	0.647	0.652	0.705	0.651	0.648	0.654	0.645	0.650	0.654	0.648	0.653	0.652	0.654	0.654	0.657
Sps	0.052	0.048	0.050	0.049	0.045	0.045	0.036	0.043	0.039	0.037	0.042	0.038	0.040	0.037	0.037	0.037	0.037	0.037	0.035
Pyp	0.138	0.141	0.142	0.144	0.144	0.144	0.112	0.145	0.149	0.147	0.148	0.149	0.145	0.149	0.148	0.149	0.150	0.150	0.148
Grs	0.158	0.160	0.163	0.160	0.164	0.159	0.147	0.161	0.165	0.163	0.165	0.163	0.161	0.165	0.162	0.162	0.159	0.159	0.159
FM	0.825	0.822	0.819	0.818	0.818	0.819	0.863	0.818	0.813	0.817	0.813	0.814	0.819	0.813	0.816	0.814	0.813	0.814	0.816

IG-5-01 garnet traverse

X (μm)	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380
SiO₂	37.03	36.90	36.69	37.03	37.00	37.04	37.13	37.09	37.14	36.84	36.81	37.10	37.31	37.01	37.26	37.31	37.23	37.01	25.37	29.46
TiO₂	0.00	0.01	0.06	0.03	0.06	0.04	0.01	0.05	0.06	0.09	0.08	0.06	0.07	0.06	0.06	0.09	0.01	0.07	0.08	0.06

Al₂O₃	19.82	19.83	19.68	19.92	19.82	19.91	19.91	19.76	19.83	19.69	19.63	19.39	19.52	19.53	19.61	19.67	19.70	19.80	13.16	14.86
FeO	29.29	28.77	28.63	28.37	28.06	27.92	27.41	27.57	27.68	27.49	27.36	28.03	28.11	27.50	27.77	28.27	27.95	27.50	25.33	25.19
MnO	2.80	1.85	1.56	1.51	1.40	1.46	1.34	1.33	1.27	1.19	1.27	1.16	1.42	1.30	1.18	1.16	1.22	1.22	1.09	1.13
Cr₂O₃	0.01	0.00	0.00	0.03	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.01	0.00	0.00	0.00
MgO	2.47	2.64	2.77	2.84	2.75	2.85	2.85	2.92	2.94	2.94	2.84	2.95	2.87	3.00	2.88	2.99	2.91	2.87	2.35	1.99
CaO	6.14	7.68	8.03	8.43	8.65	8.56	8.76	8.58	8.60	8.59	8.44	8.57	8.56	8.50	8.48	8.53	8.42	8.47	6.89	7.26
Na₂O	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	0.00	0.10	0.03
K₂O	0.01	0.00	0.01	0.00	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	0.14	0.02
Total	97.57	97.67	97.42	98.14	97.76	97.79	97.45	97.30	97.52	96.84	96.43	97.27	97.87	96.89	97.28	98.02	97.46	96.95	74.51	80.00
Si	3.04	3.02	3.01	3.01	3.02	3.02	3.03	3.03	3.03	3.02	3.03	3.04	3.04	3.04	3.04	3.03	3.04	3.03	2.84	2.99
Ti	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	0.00	0.01	0.00	0.00	0.01	0.00
Al	1.92	1.91	1.90	1.91	1.90	1.91	1.91	1.90	1.90	1.90	1.91	1.87	1.87	1.89	1.89	1.88	1.89	1.91	1.73	1.78
Fe	2.01	1.97	1.96	1.93	1.91	1.90	1.87	1.88	1.89	1.89	1.89	1.92	1.91	1.89	1.90	1.92	1.91	1.88	2.37	2.14
Mn	0.19	0.13	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.08	0.09	0.08	0.10	0.09	0.08	0.08	0.08	0.08	0.10	0.10
Cr	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	0.00	0.00	0.00
Mg	0.30	0.32	0.34	0.34	0.33	0.35	0.35	0.36	0.36	0.36	0.35	0.36	0.35	0.37	0.35	0.36	0.35	0.35	0.39	0.30
Ca	0.54	0.67	0.71	0.73	0.76	0.75	0.77	0.75	0.75	0.76	0.75	0.75	0.75	0.75	0.74	0.74	0.74	0.74	0.83	0.79
Na	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	0.00	0.02	0.01
K	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	0.00	0.02	0.00
Total	20.00	20.02	20.04	20.03	20.03	20.03	20.02	20.02	20.02	20.02	20.01	20.02	20.02	20.02	20.01	20.02	20.01	20.01	20.31	20.12
Alm	0.660	0.637	0.630	0.620	0.617	0.614	0.608	0.611	0.612	0.612	0.615	0.617	0.616	0.611	0.617	0.619	0.619	0.615	0.642	0.643
Sps	0.064	0.041	0.035	0.033	0.031	0.033	0.030	0.030	0.028	0.027	0.029	0.026	0.031	0.029	0.027	0.026	0.027	0.028	0.028	0.029
Pyp	0.099	0.104	0.109	0.111	0.108	0.112	0.113	0.115	0.116	0.117	0.114	0.116	0.112	0.119	0.114	0.117	0.115	0.115	0.106	0.091
Grs	0.177	0.218	0.227	0.236	0.244	0.241	0.249	0.244	0.244	0.245	0.243	0.242	0.240	0.242	0.242	0.239	0.239	0.243	0.224	0.237
FM	0.869	0.860	0.853	0.849	0.851	0.846	0.844	0.841	0.841	0.840	0.844	0.842	0.846	0.837	0.844	0.841	0.843	0.843	0.858	0.876

X (μm)	400	420	440	460	480	500	520	540	560	580	600	640	660	680	700	720	740
SiO₂	36.97	39.43	25.75	35.33	38.48	37.06	36.90	37.08	33.09	36.17	37.00	39.11	25.82	36.39	36.57	36.74	36.75
TiO₂	0.06	0.07	0.01	0.11	0.04	0.11	0.01	0.06	0.06	0.09	0.07	0.04	0.00	0.09	0.05	0.08	0.09
Al₂O₃	19.78	21.09	13.04	18.49	20.29	19.57	19.62	19.88	17.29	18.97	19.51	21.09	13.73	19.60	19.64	19.41	19.73
FeO	27.46	25.34	26.50	27.21	26.48	27.84	27.66	27.75	26.50	27.23	27.65	26.94	25.53	27.60	27.60	27.82	27.81

MnO	1.31	1.29	1.17	1.17	1.11	1.11	1.18	1.27	1.10	1.24	1.18	1.24	1.23	1.22	1.31	1.39	1.19
Cr₂O₃	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.02	0.00	0.01	0.01	0.02	0.00
MgO	2.94	3.41	2.29	2.56	3.38	2.88	2.87	2.77	1.67	2.90	2.89	2.90	2.75	2.86	2.80	2.90	2.92
CaO	8.65	8.52	8.59	8.69	8.29	8.74	8.59	8.61	7.73	8.74	8.72	8.59	8.20	8.70	8.66	8.69	8.54
Na₂O	0.00	0.10	0.00	0.00	0.08	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.01
K₂O	0.00	0.03	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00
Total	97.17	99.28	77.36	93.58	98.18	97.32	96.84	97.43	87.45	95.37	97.02	99.93	77.32	96.48	96.65	97.04	97.04
Si	3.02	3.10	2.80	3.02	3.08	3.03	3.03	3.03	3.04	3.02	3.03	3.07	2.78	3.01	3.01	3.02	3.01
Ti	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01
Al	1.91	1.95	1.67	1.86	1.91	1.89	1.90	1.91	1.87	1.87	1.89	1.95	1.75	1.91	1.91	1.88	1.91
Fe	1.88	1.66	2.41	1.95	1.77	1.90	1.90	1.89	2.03	1.90	1.90	1.77	2.30	1.91	1.90	1.91	1.91
Mn	0.09	0.09	0.11	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.08	0.08	0.11	0.09	0.09	0.10	0.08
Cr	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
Mg	0.36	0.40	0.37	0.33	0.40	0.35	0.35	0.34	0.23	0.36	0.35	0.34	0.44	0.35	0.34	0.36	0.36
Ca	0.76	0.72	1.00	0.80	0.71	0.77	0.76	0.75	0.76	0.78	0.77	0.72	0.95	0.77	0.76	0.76	0.75
Na	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	0.00	0.00	0.00	0.00
K	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
Total	20.02	19.93	20.37	20.04	19.97	20.02	20.02	20.01	20.02	20.04	20.02	19.95	20.35	20.03	20.03	20.03	20.03
Alm	0.609	0.581	0.620	0.617	0.598	0.615	0.615	0.617	0.654	0.607	0.612	0.607	0.605	0.612	0.613	0.611	0.616
Sps	0.029	0.030	0.028	0.027	0.025	0.025	0.027	0.029	0.027	0.028	0.027	0.028	0.030	0.027	0.030	0.031	0.027
Pyp	0.116	0.139	0.096	0.104	0.136	0.114	0.114	0.110	0.074	0.115	0.114	0.116	0.116	0.113	0.111	0.114	0.115
Grs	0.246	0.250	0.257	0.252	0.240	0.247	0.245	0.245	0.245	0.250	0.247	0.248	0.249	0.247	0.246	0.244	0.242
FM	0.840	0.807	0.866	0.856	0.815	0.844	0.844	0.849	0.899	0.841	0.843	0.839	0.839	0.844	0.847	0.843	0.842