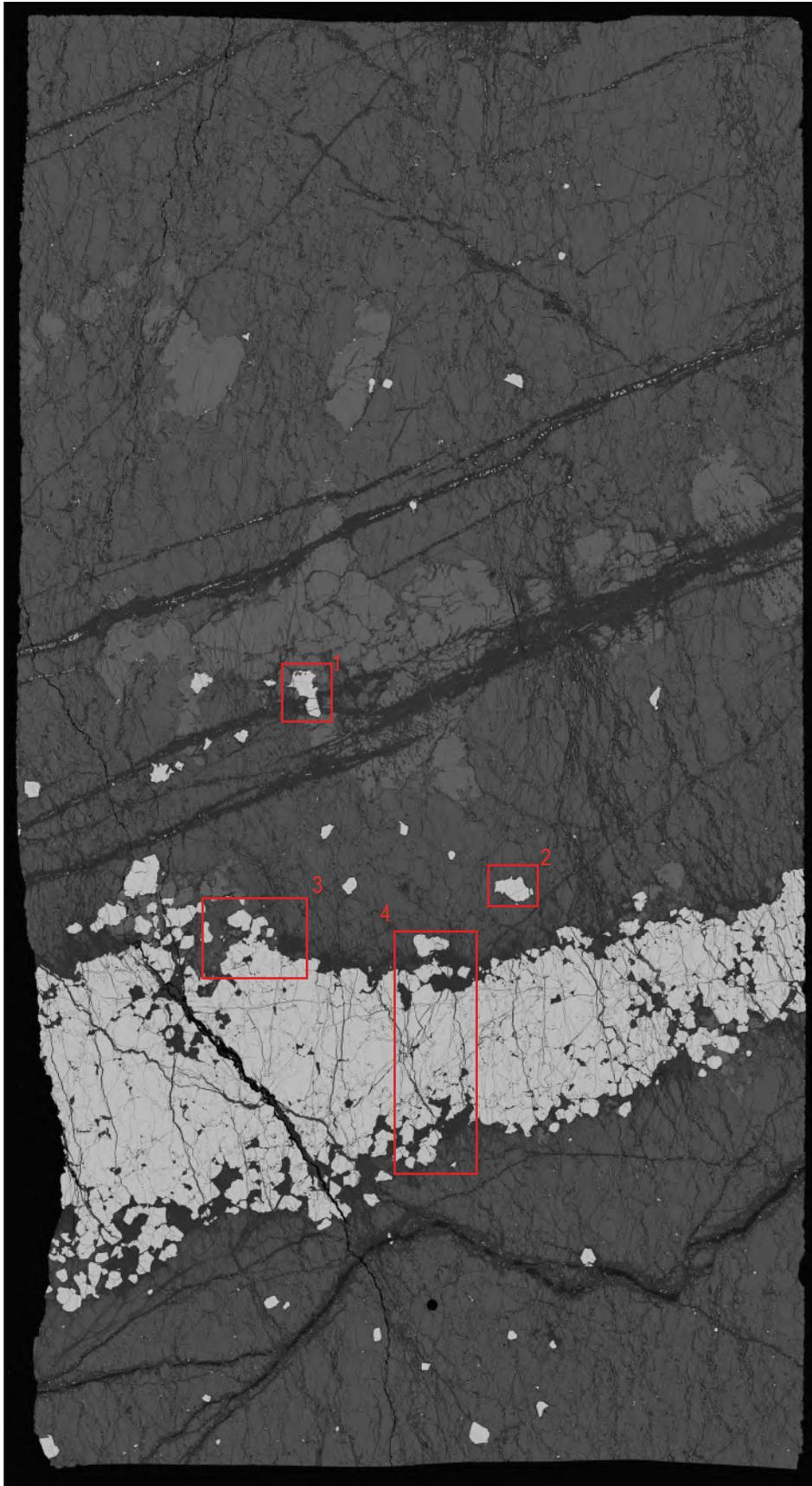
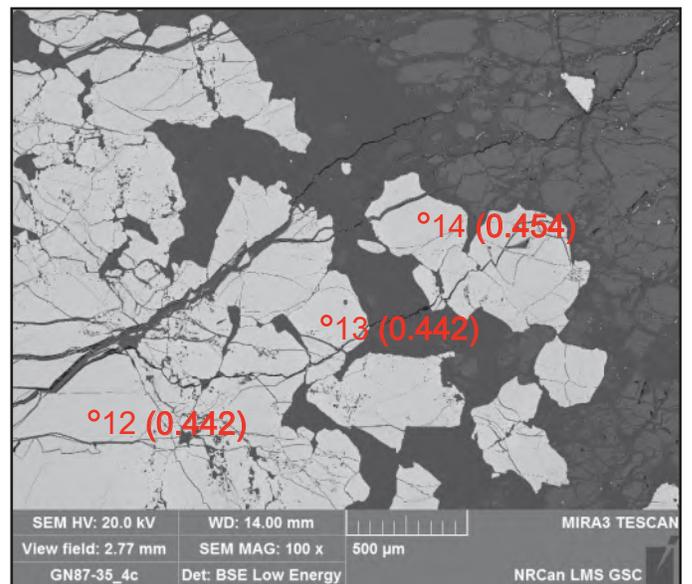
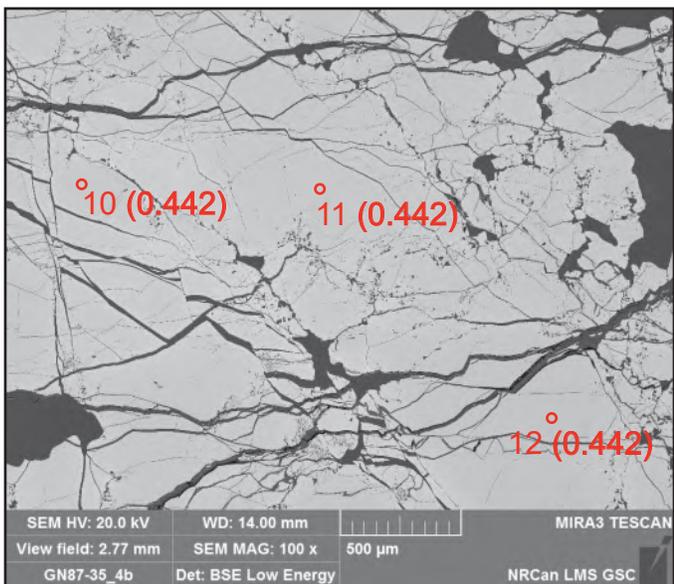
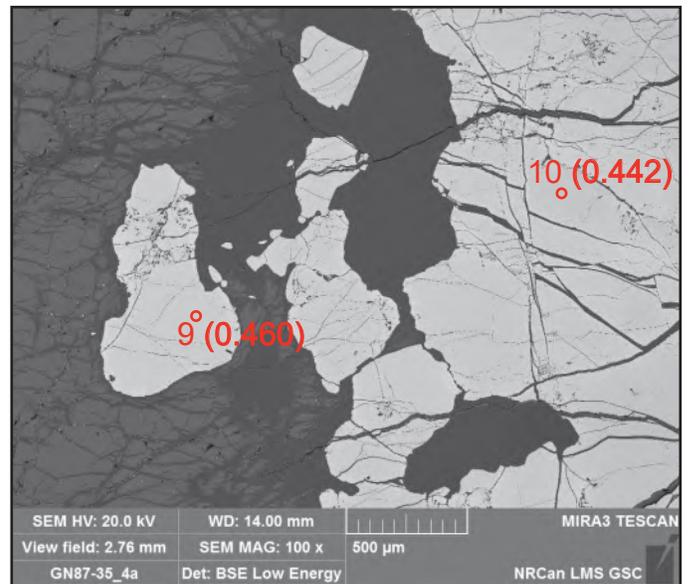
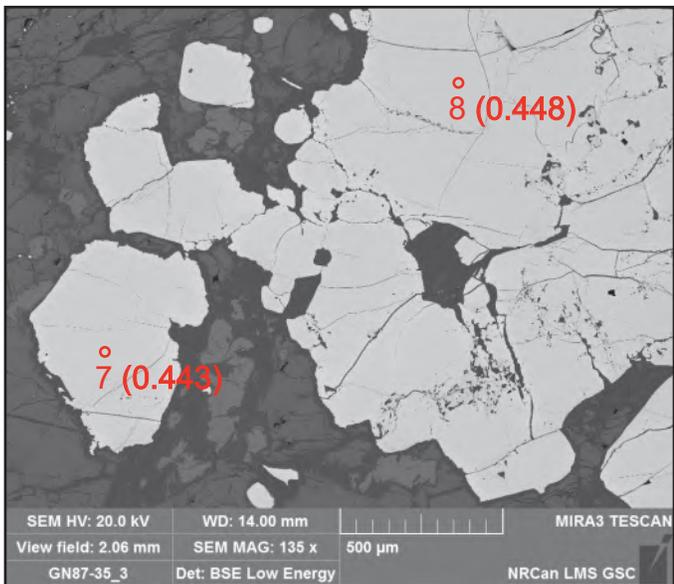
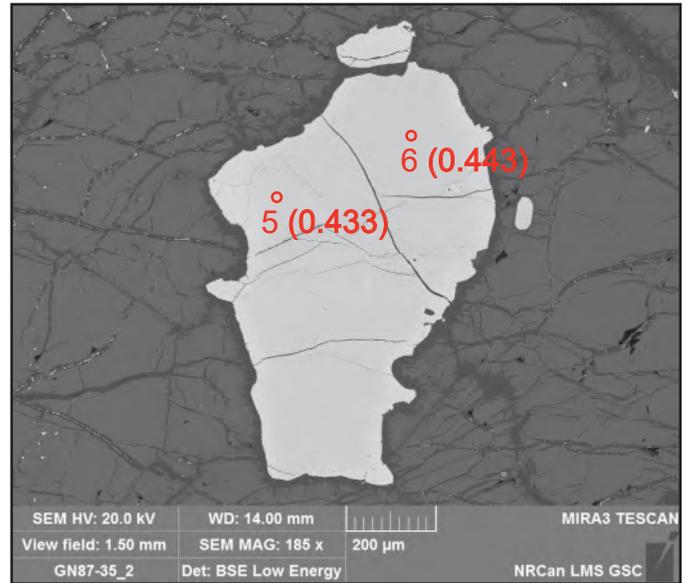
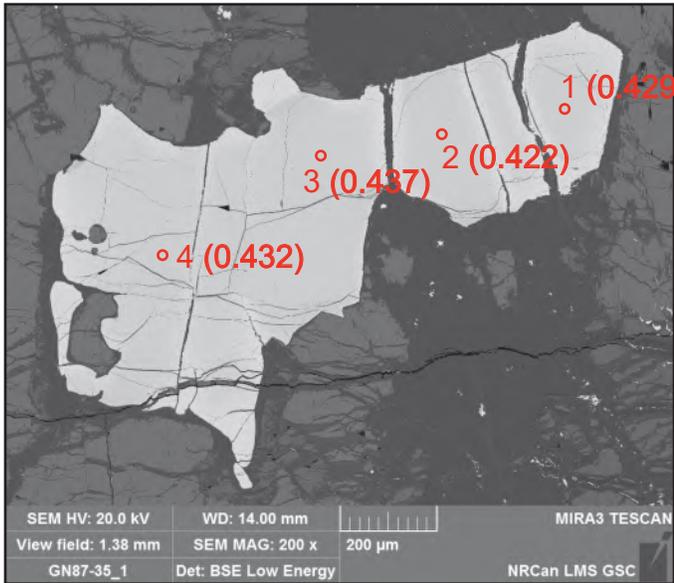


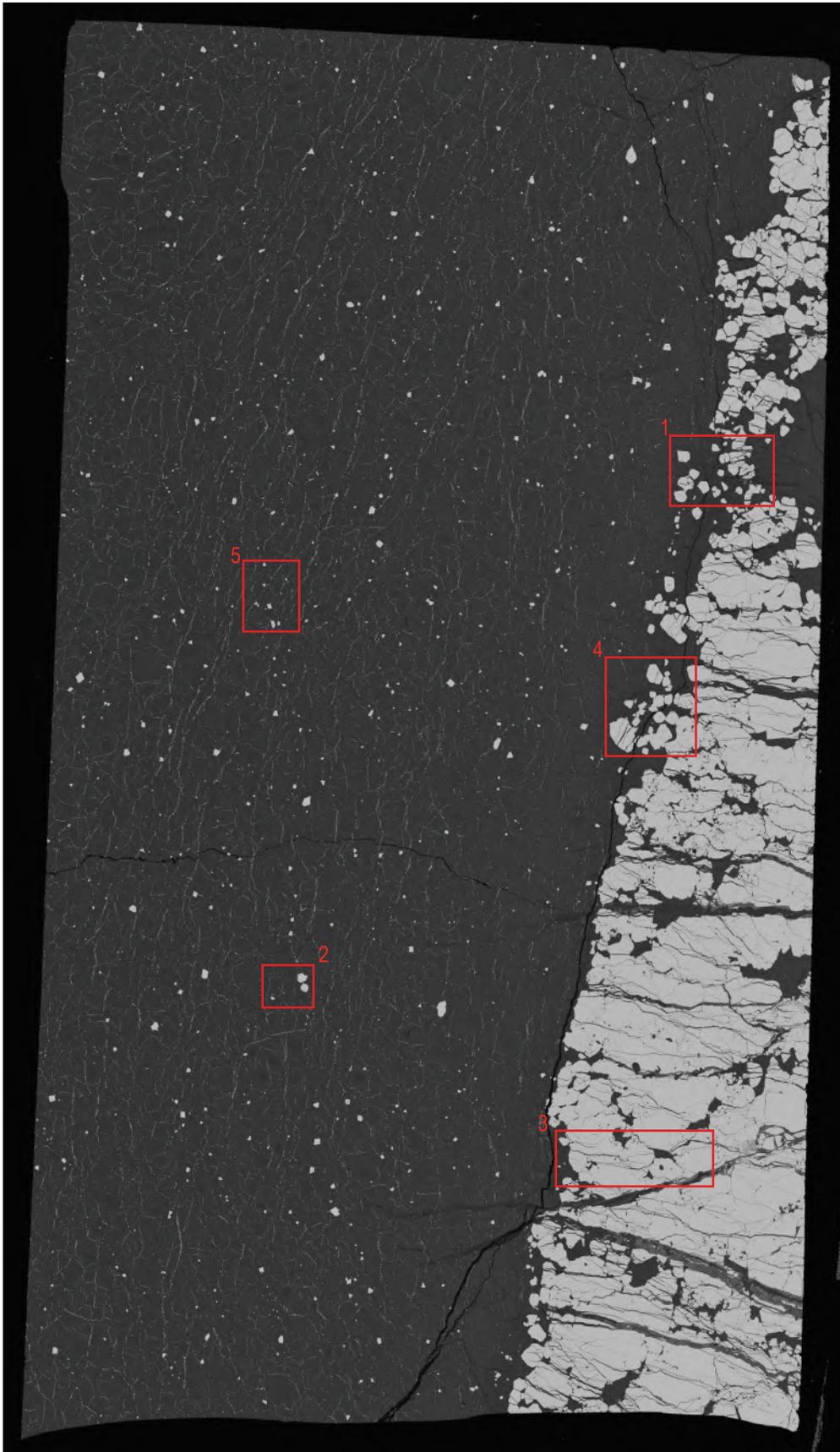
Appendix 1 - Backscatter Electron Images of chromite and location of EPMA analyses

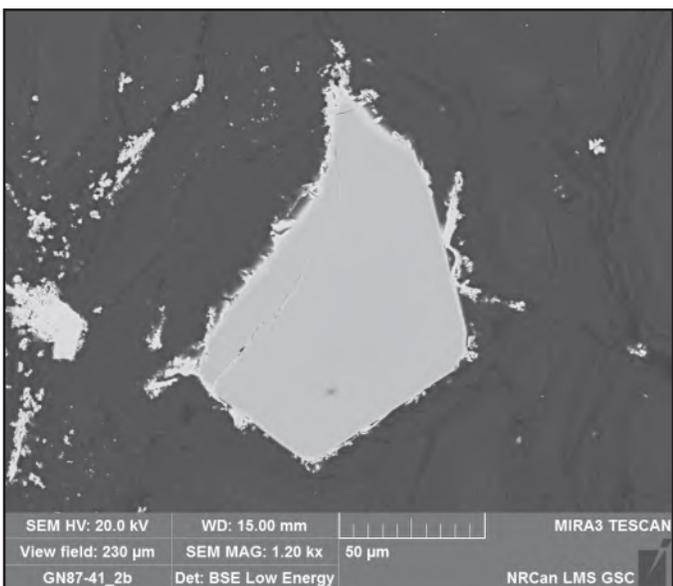
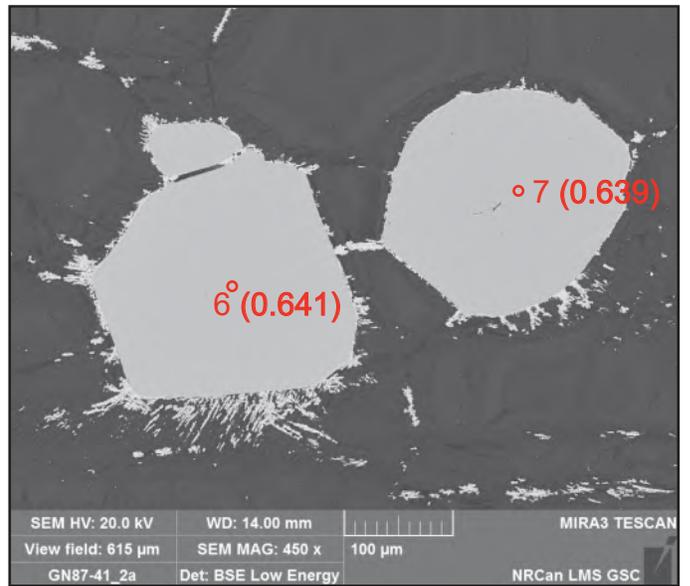
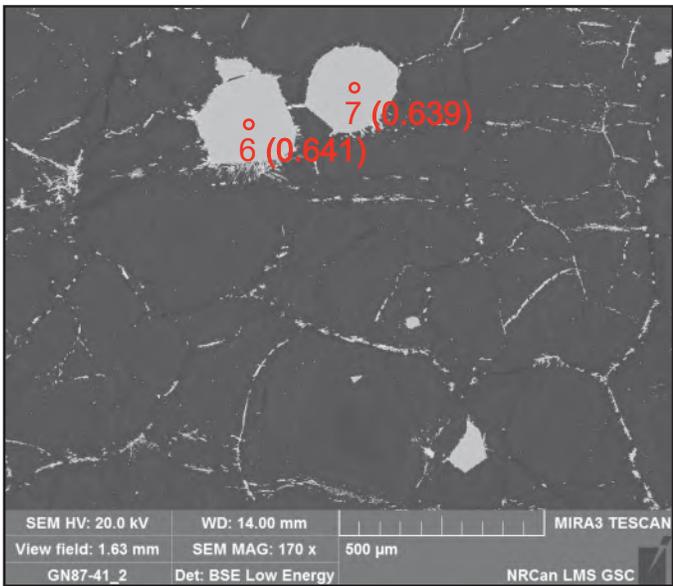
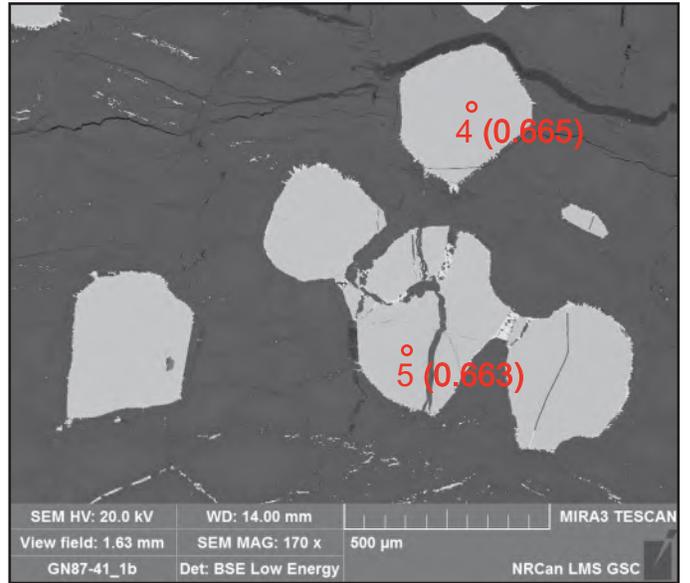
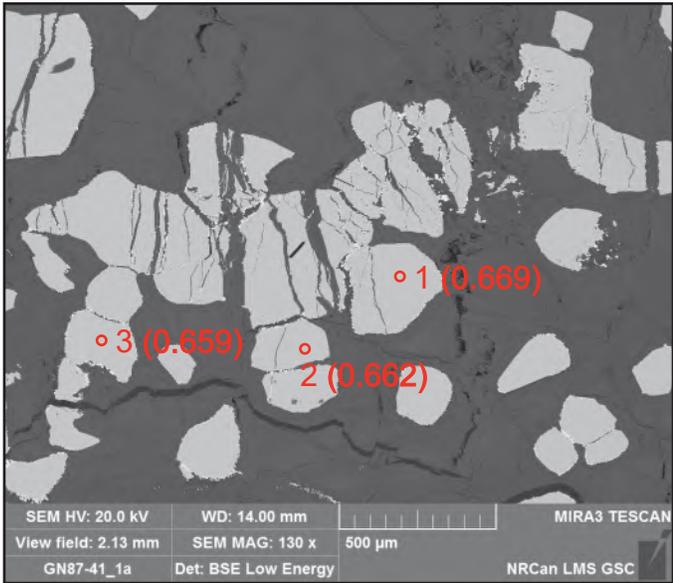
*\*Spot numbers correspond to analyses numbers in Appendix 3*

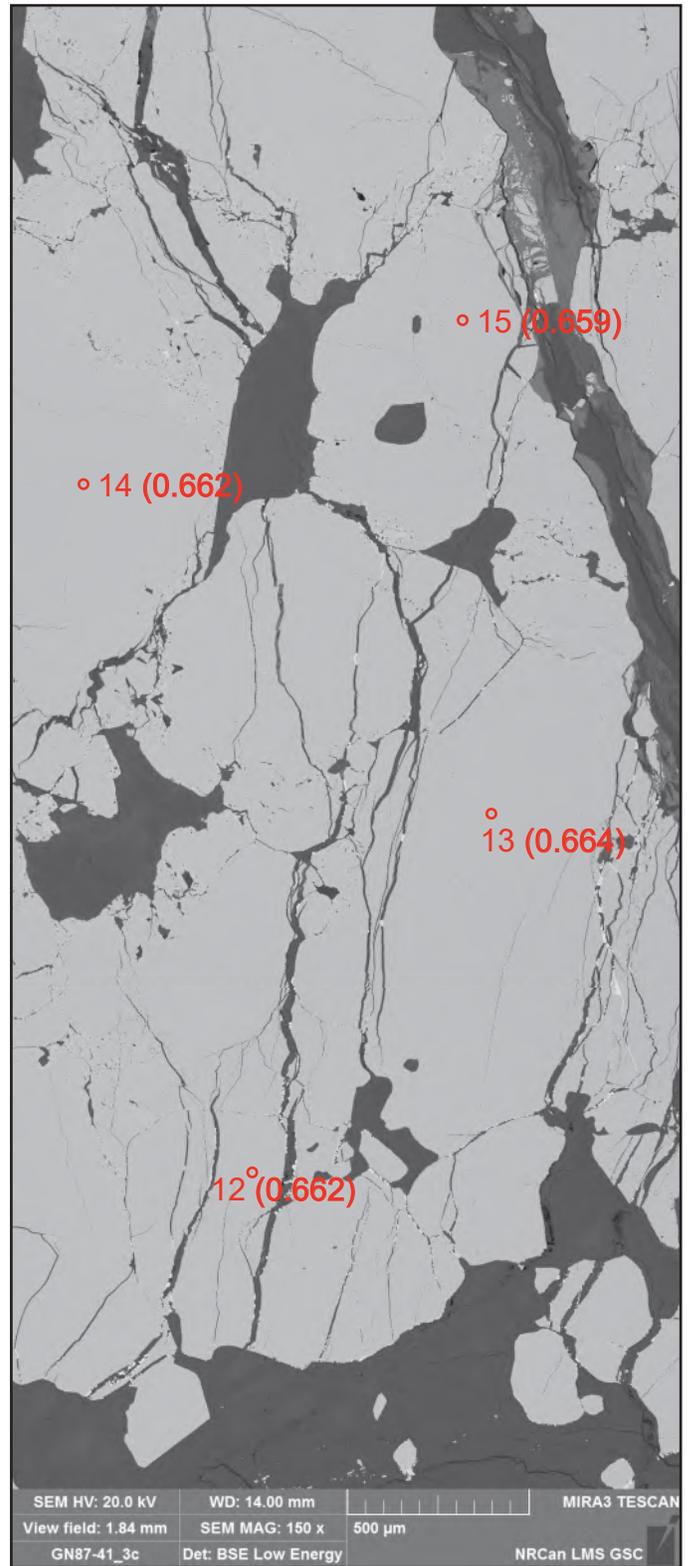
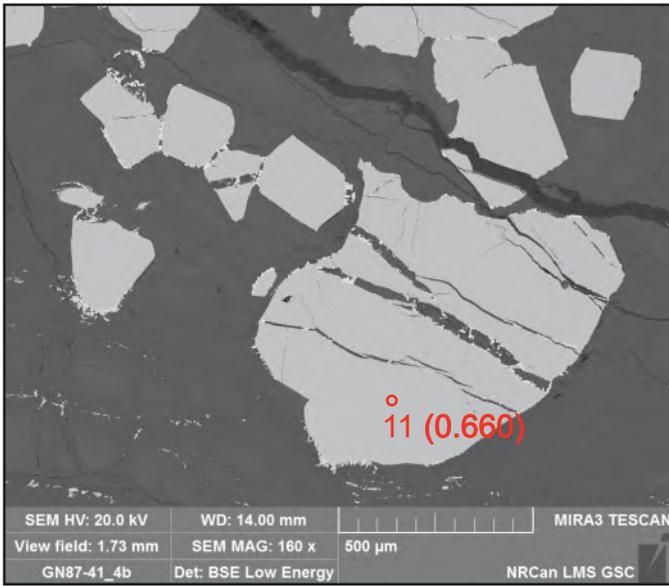
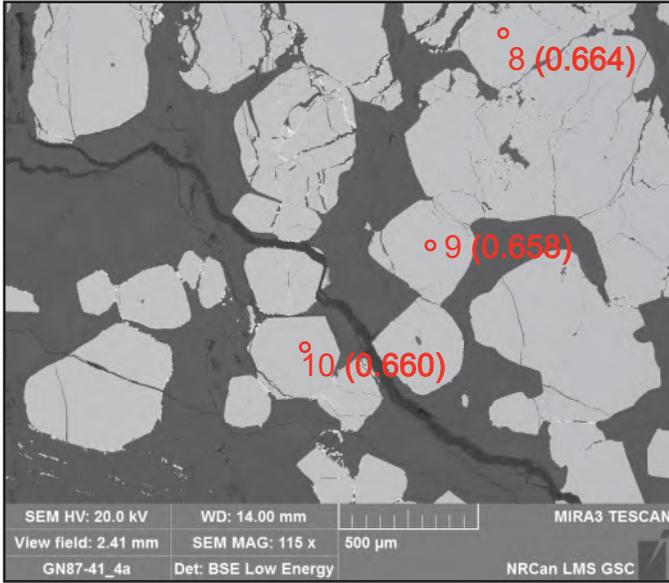
*\*\*Cr-number (molar  $\text{Cr}/(\text{Cr}+\text{Al}+\text{Fe}^{3+})$ ) is shown for each analytical spot*

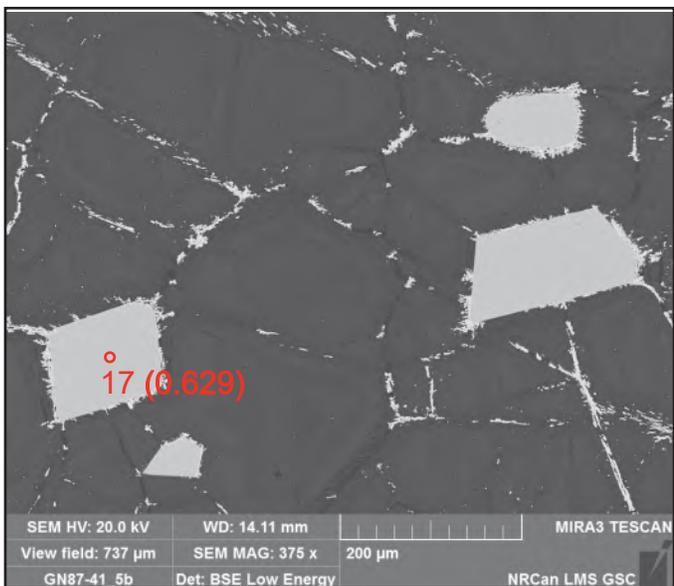
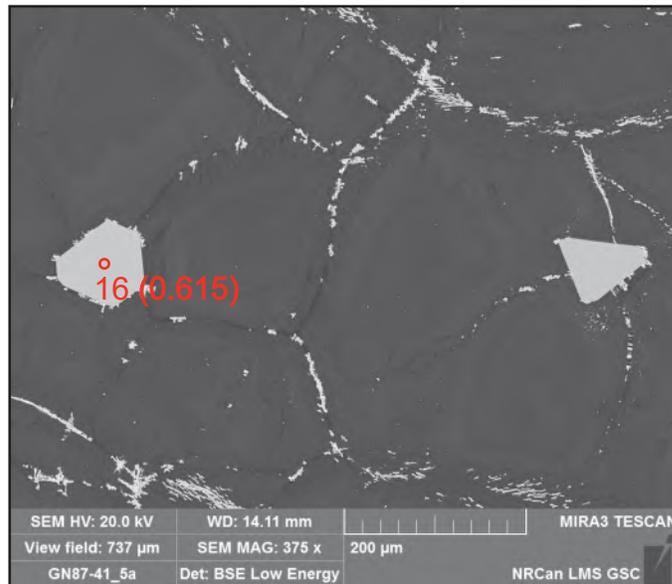
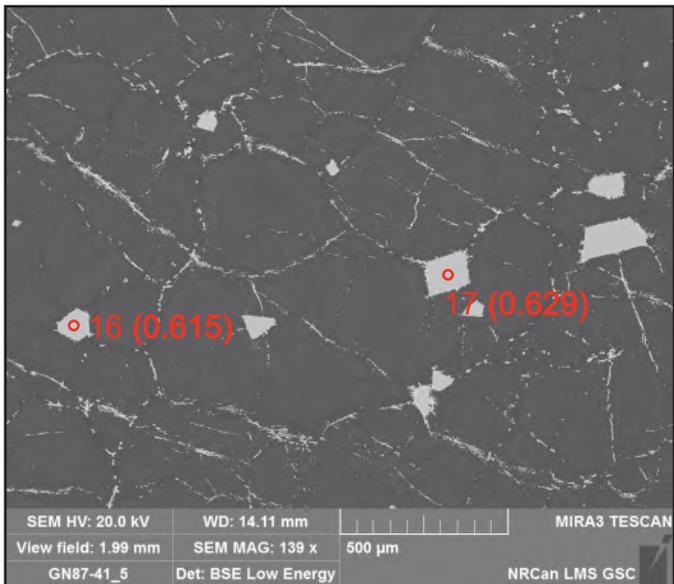


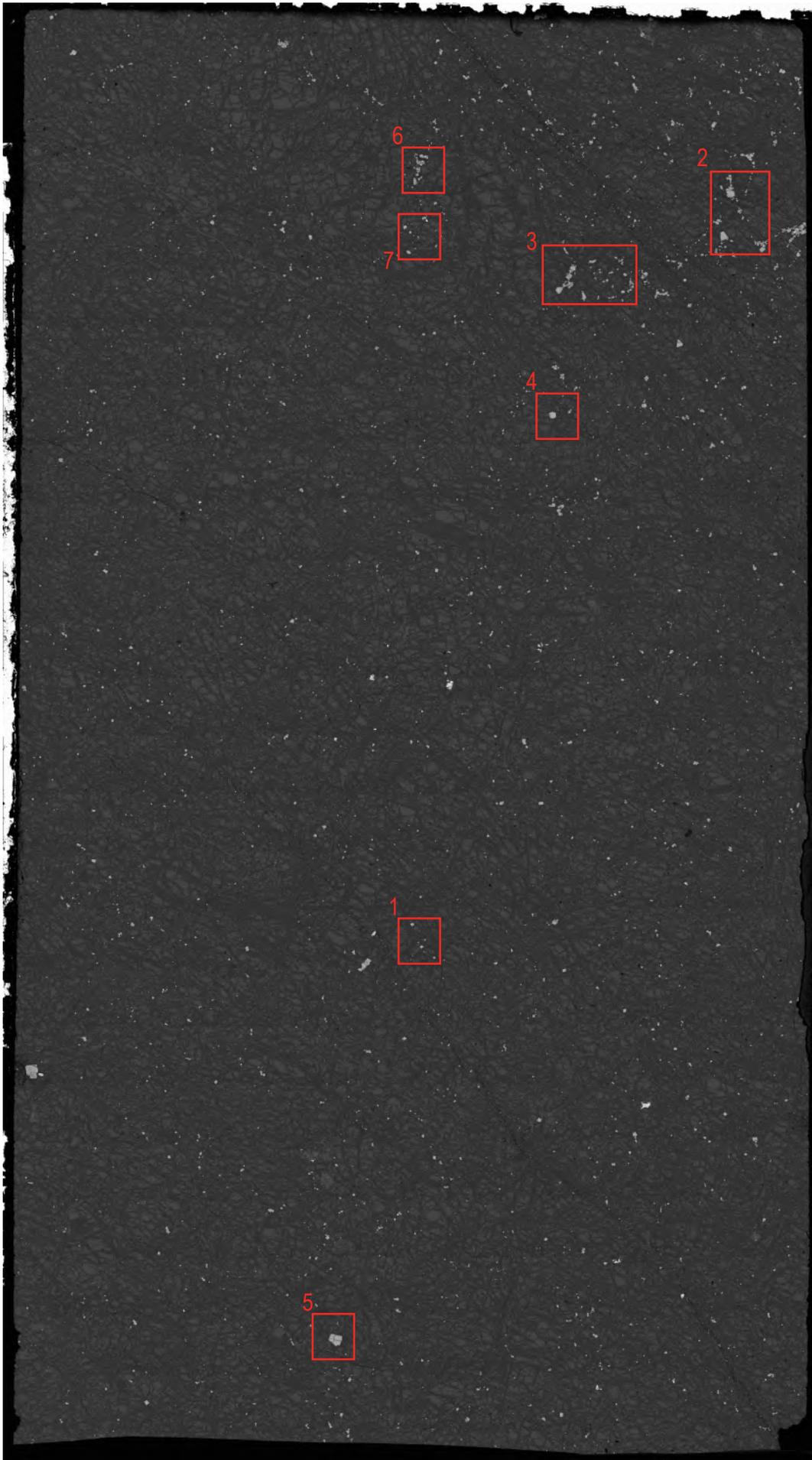


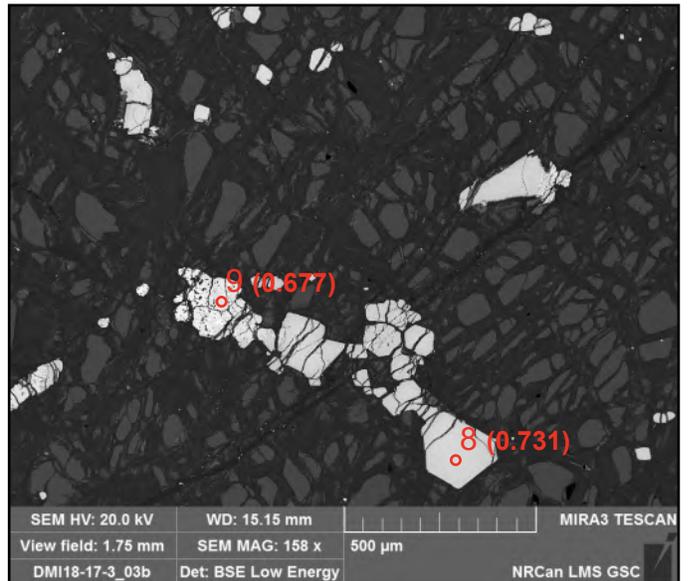
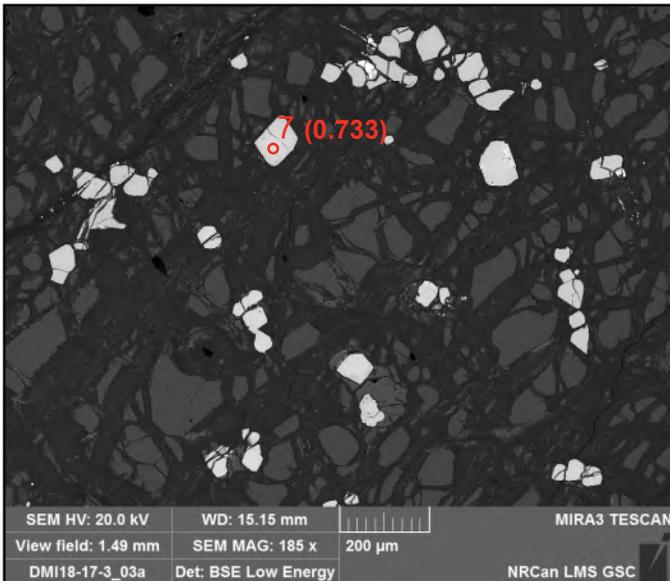
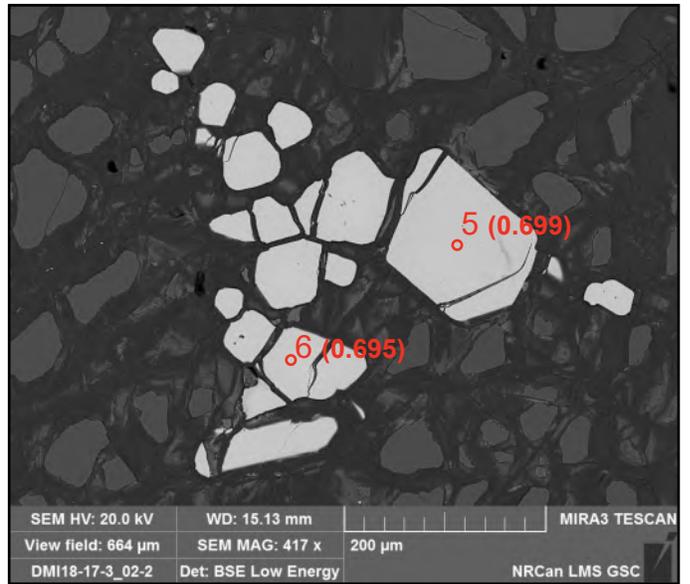
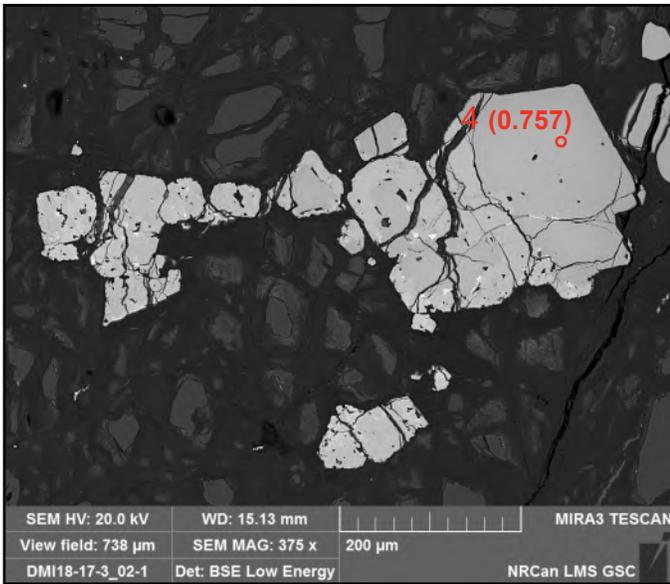
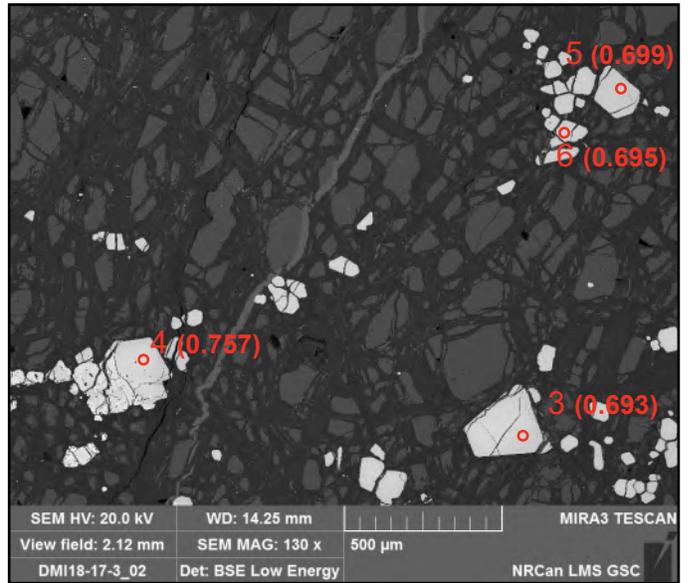
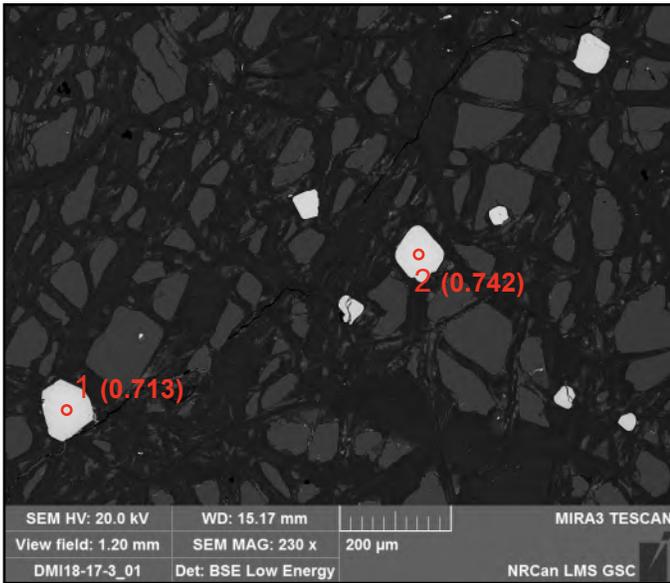


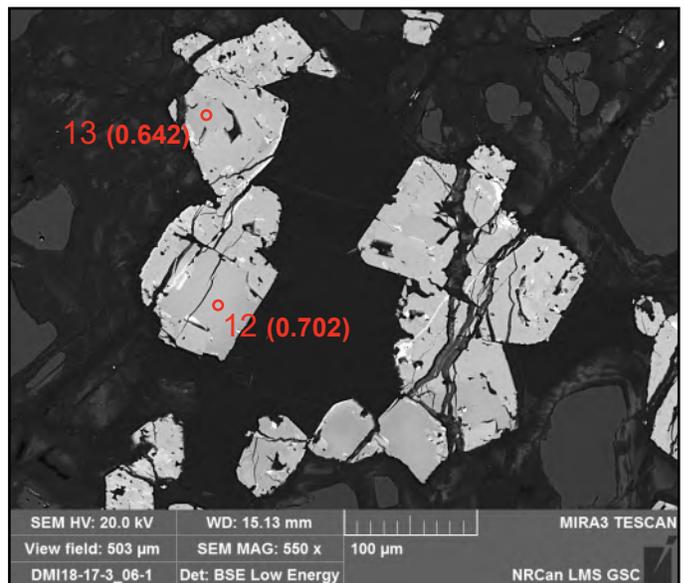
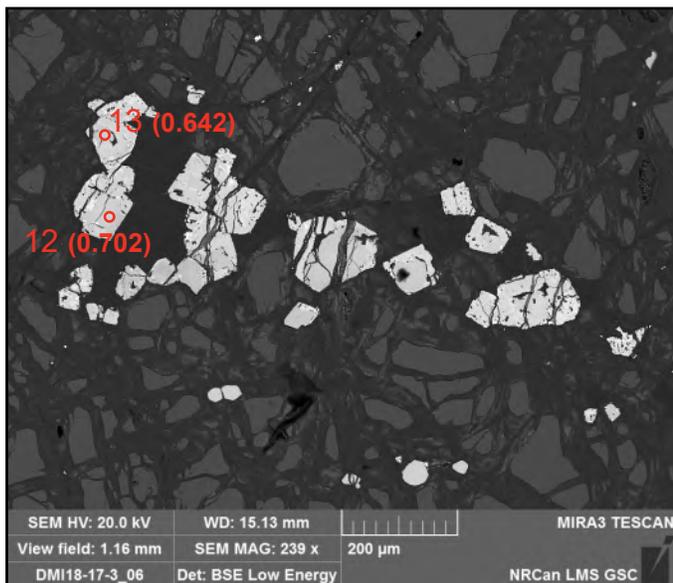
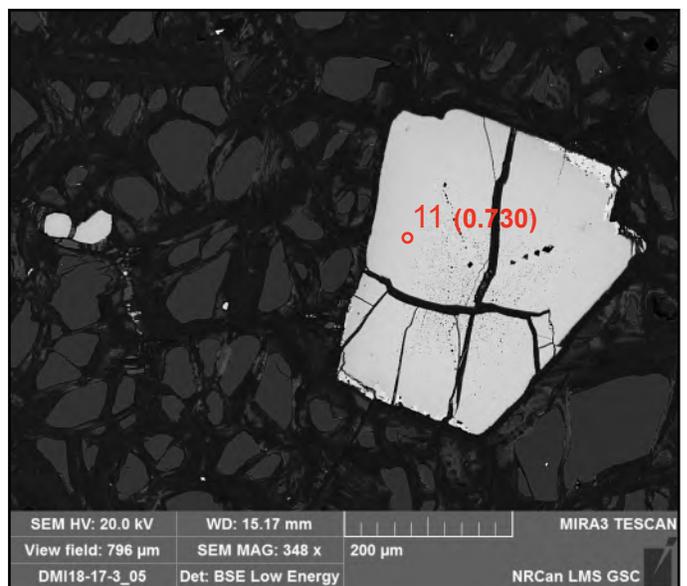
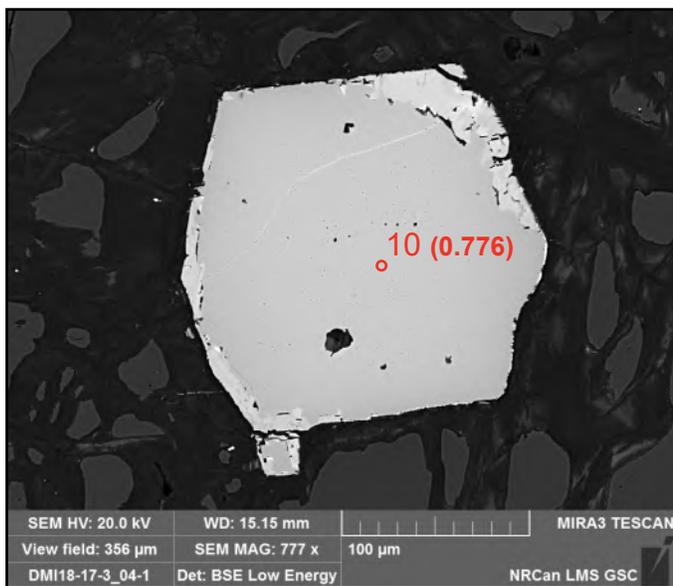
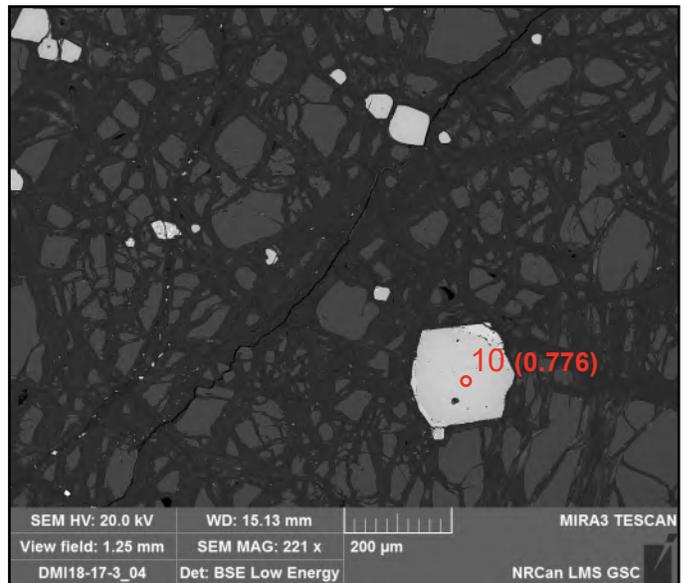
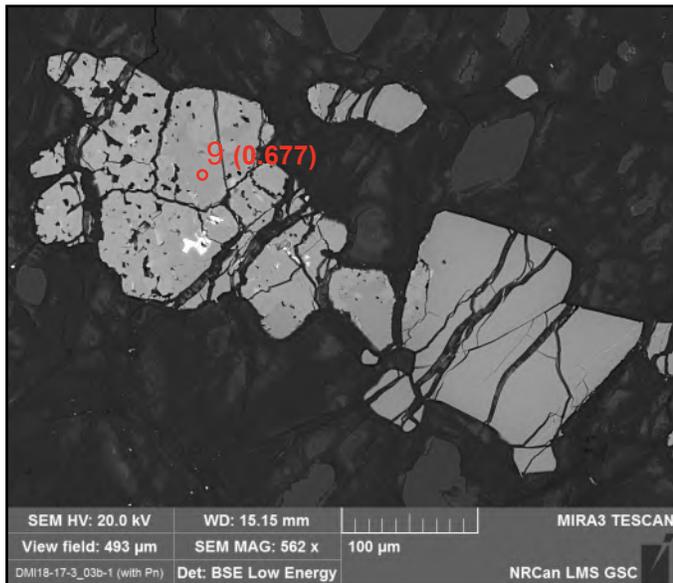


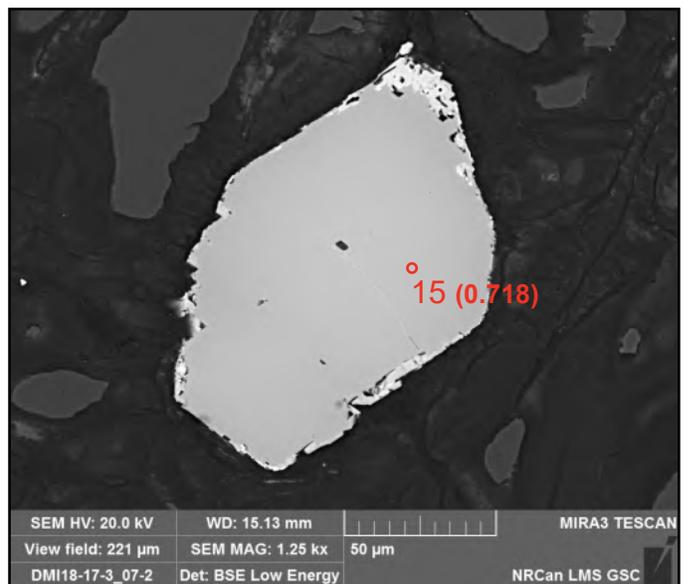
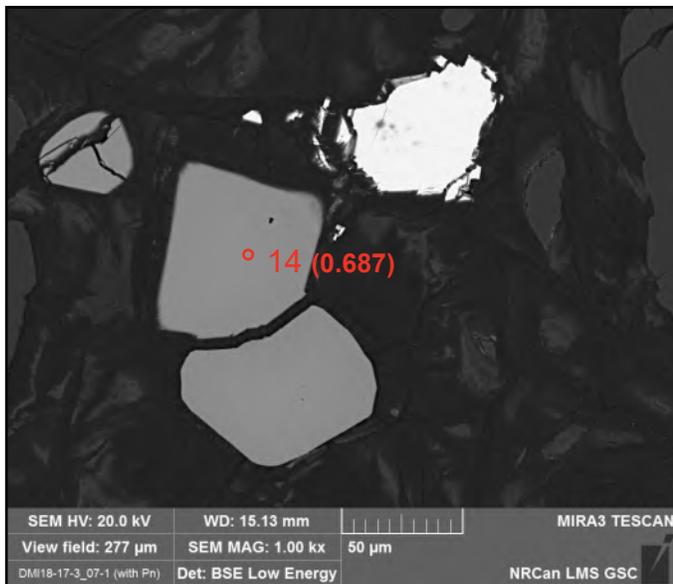
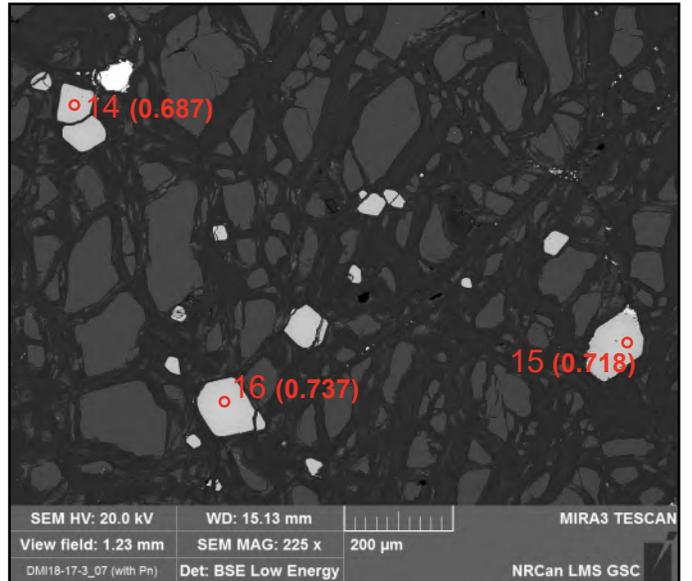
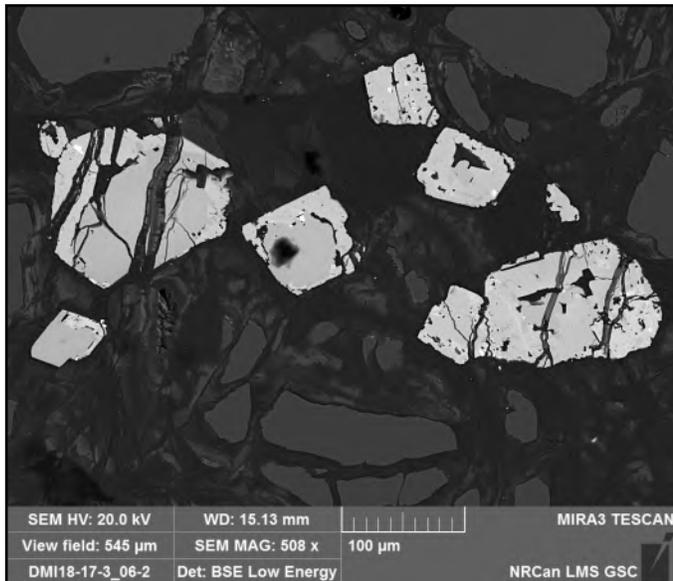


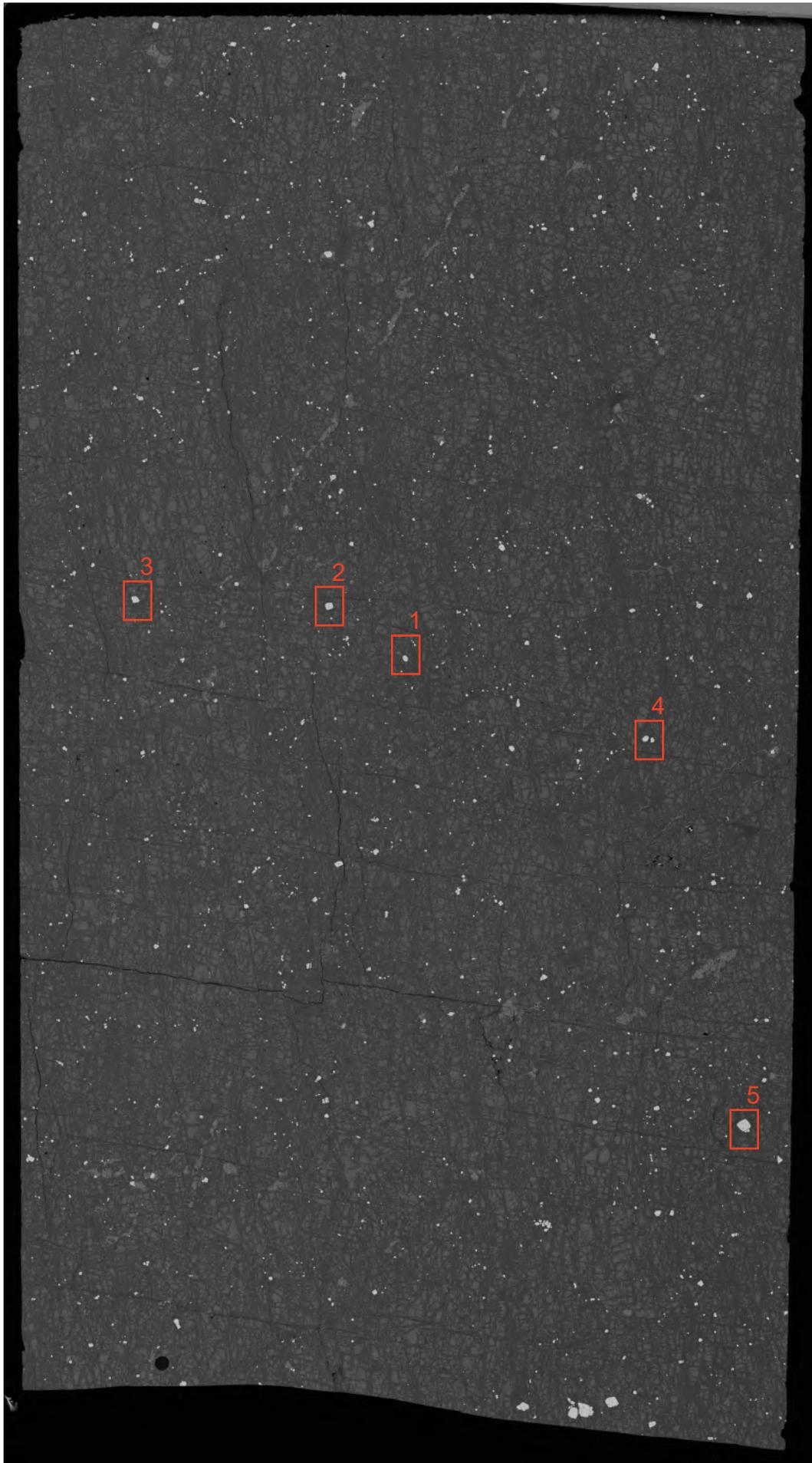


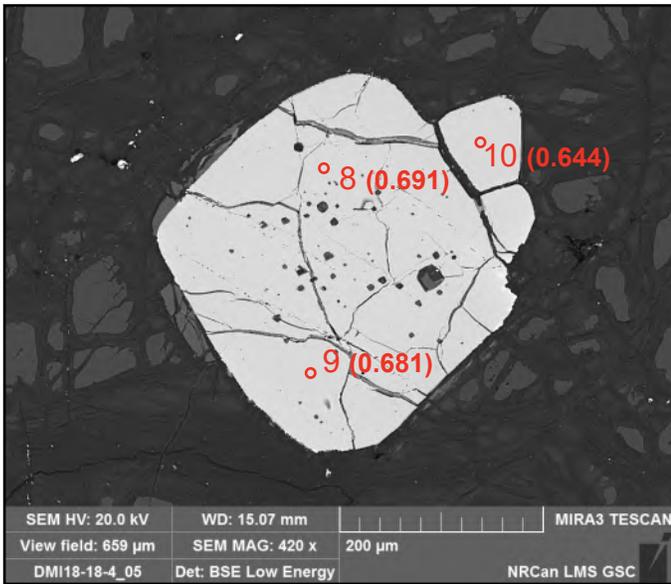
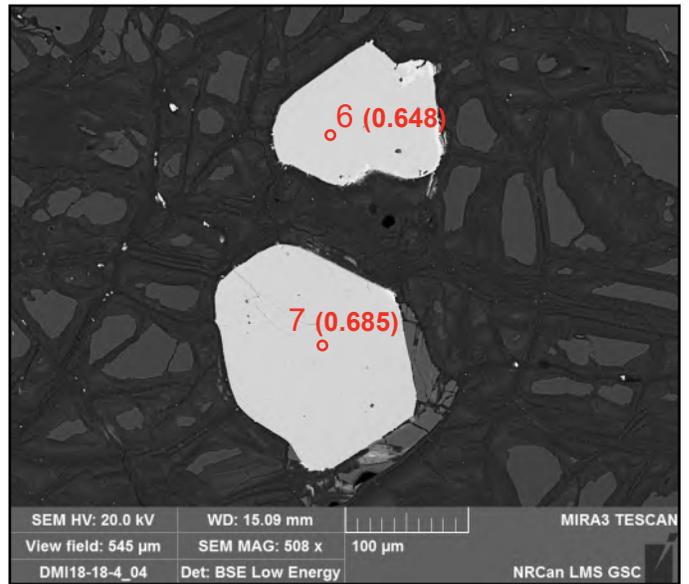
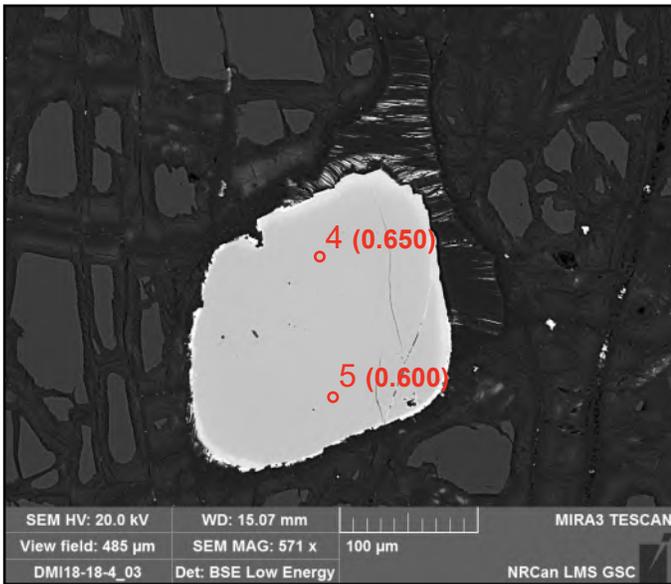
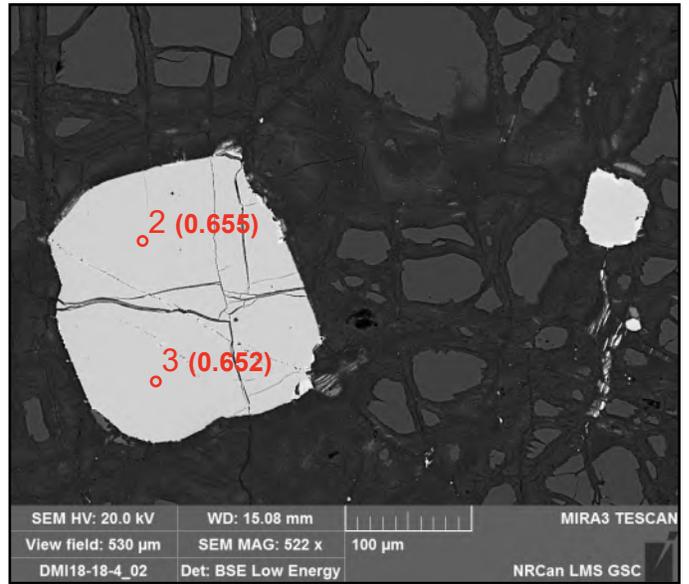
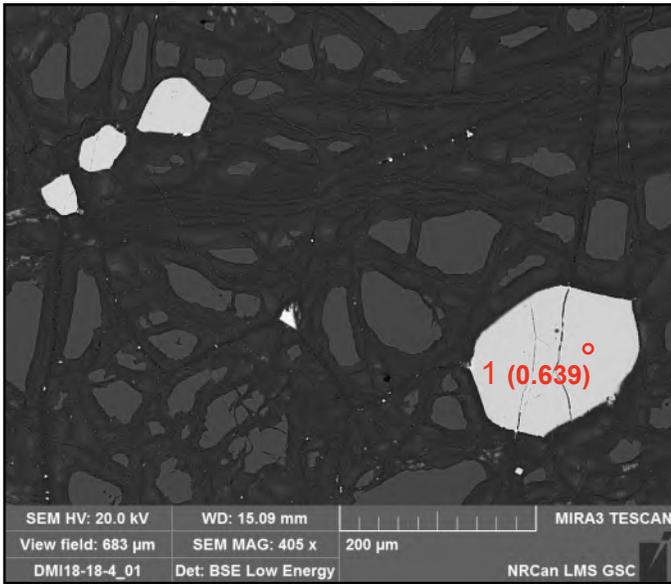


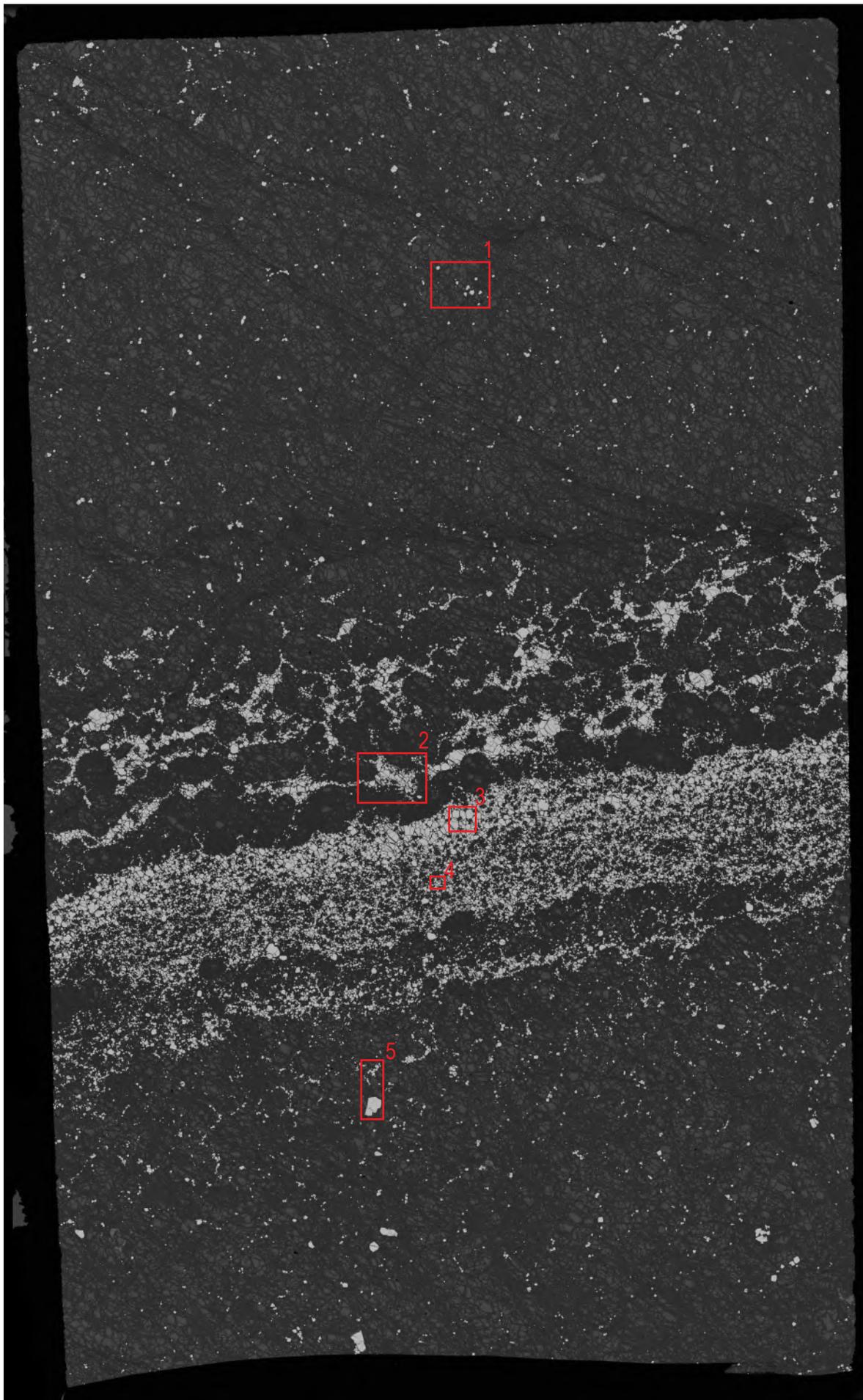


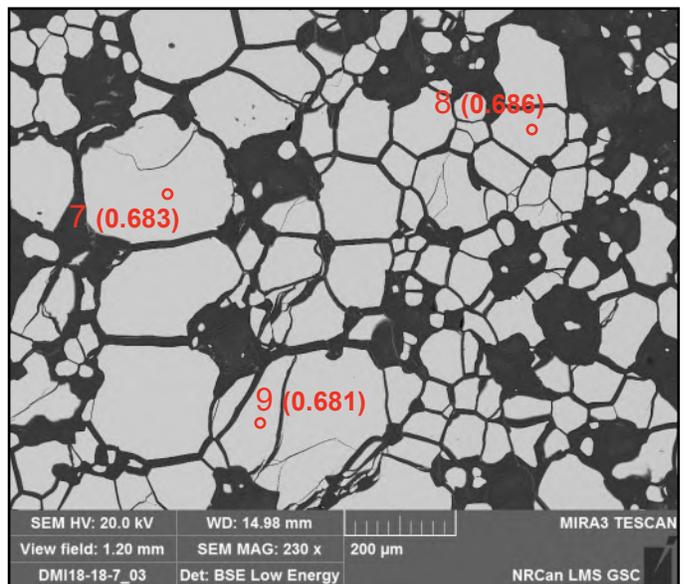
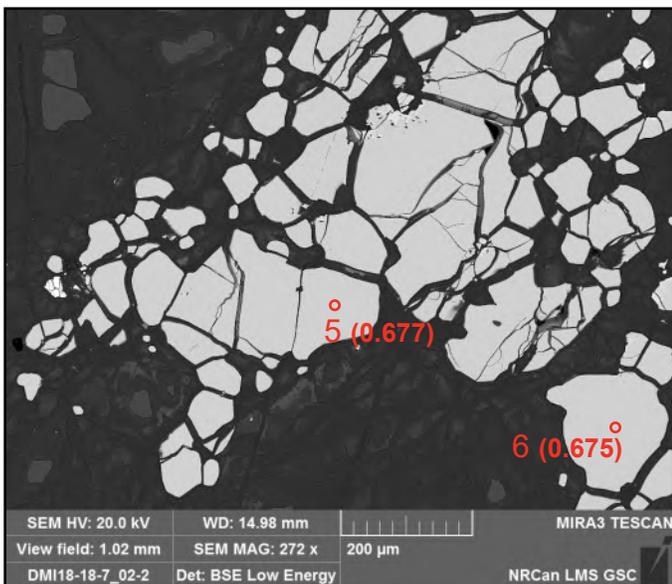
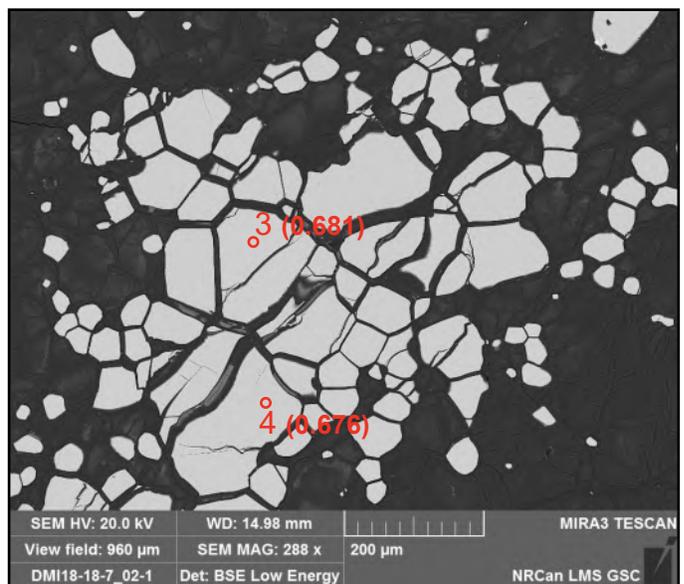
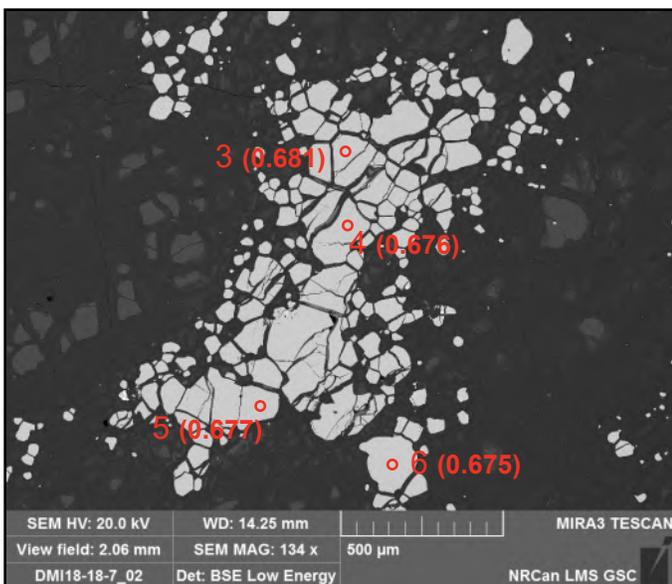
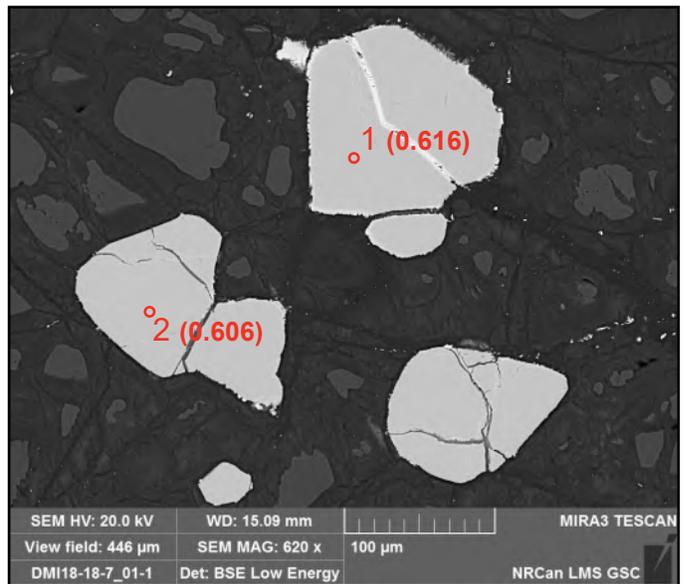
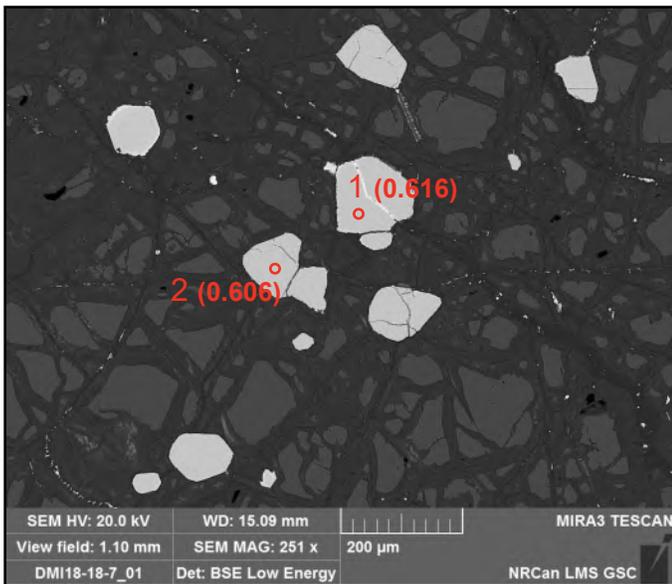


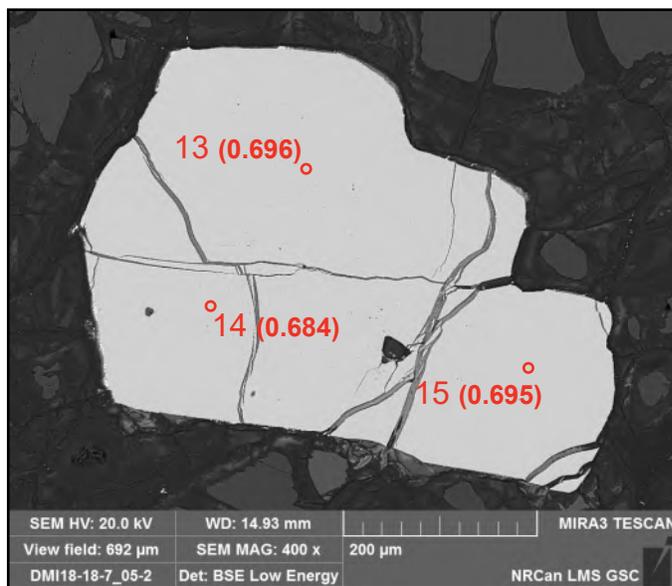
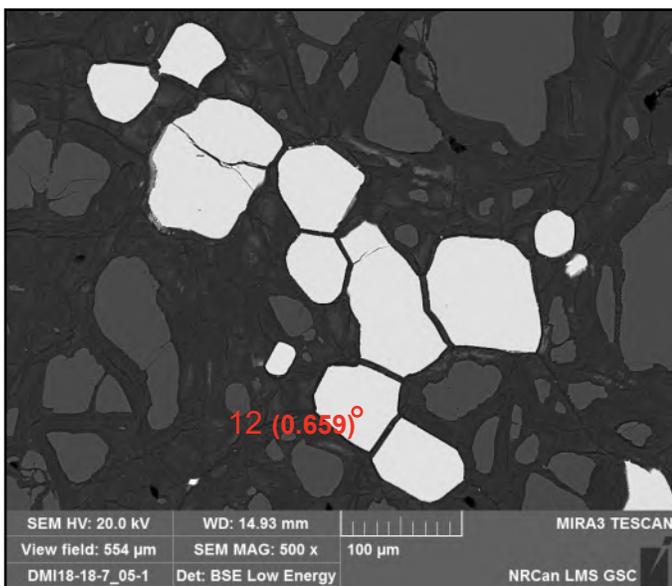
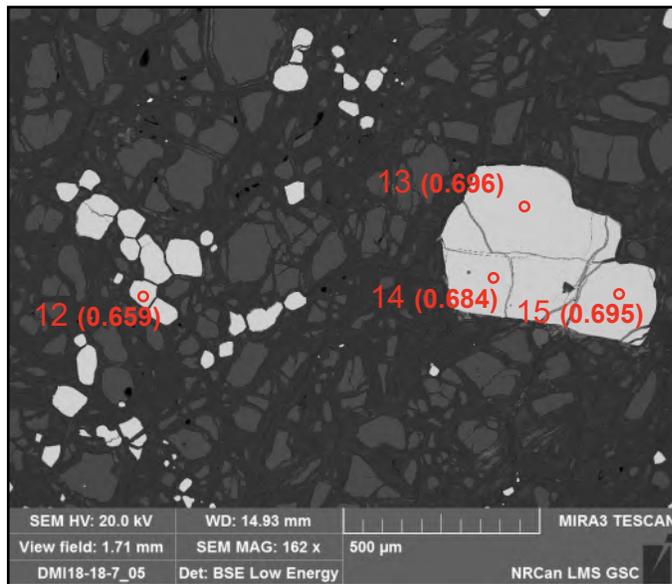
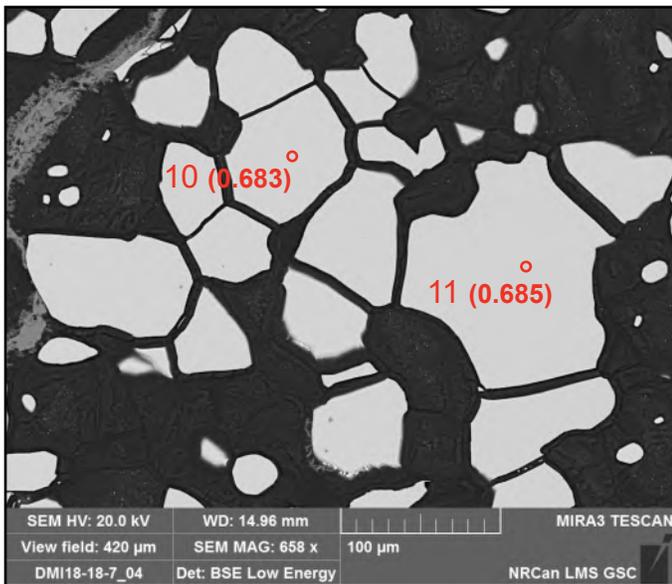


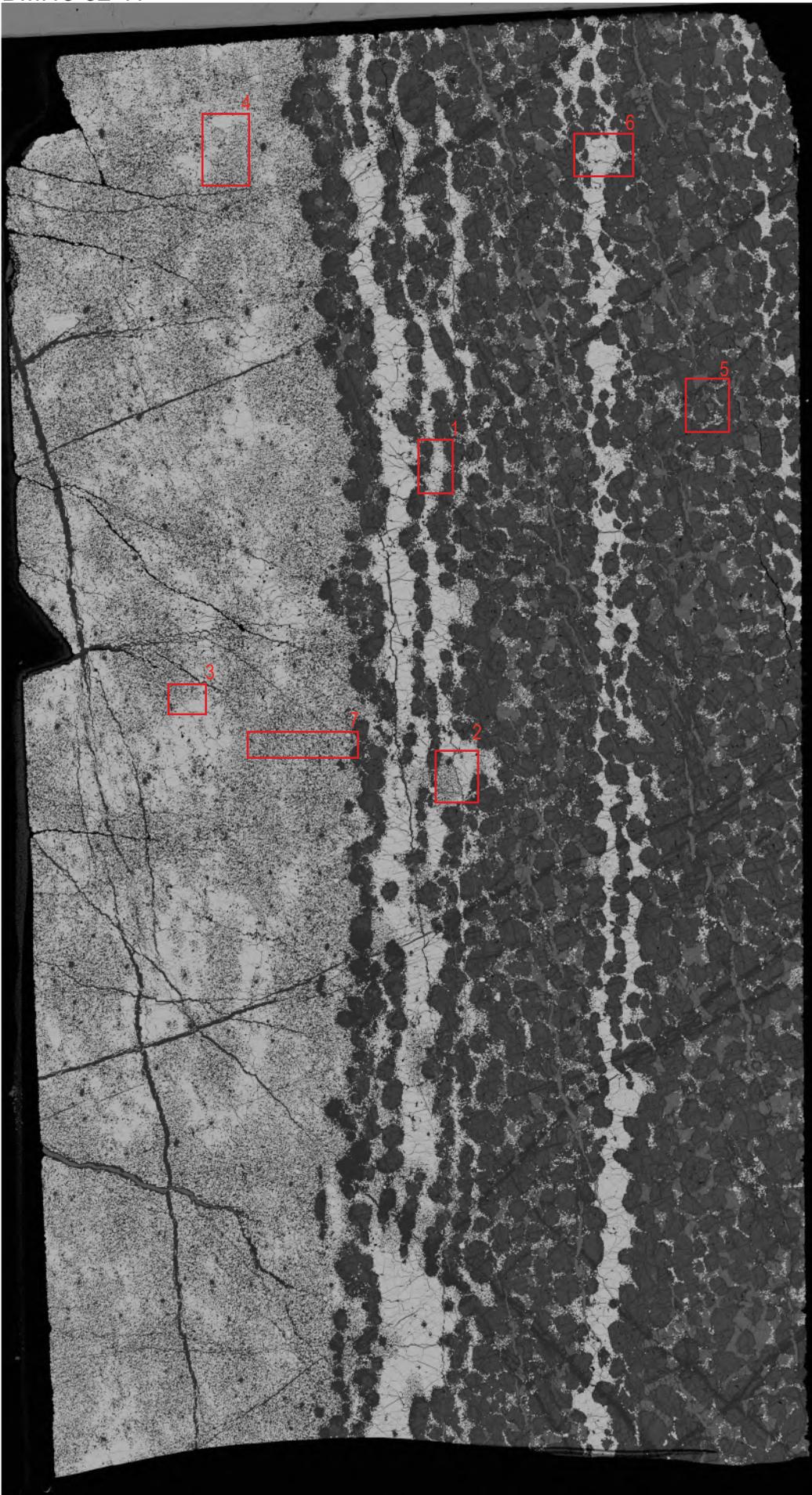


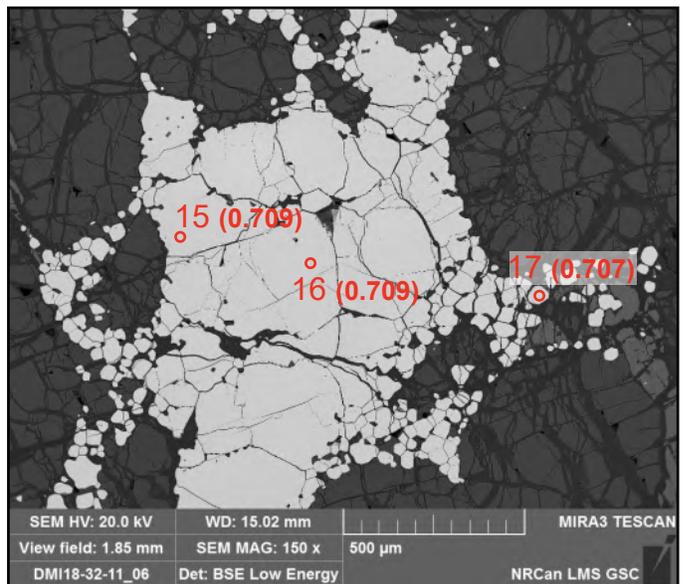
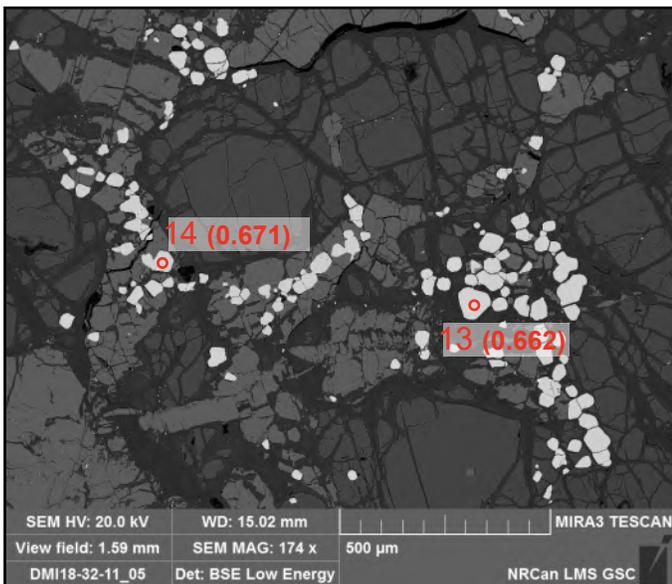
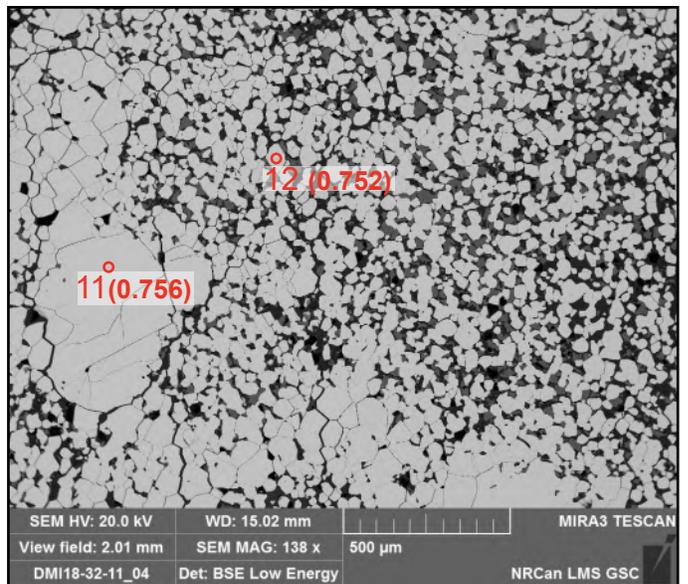
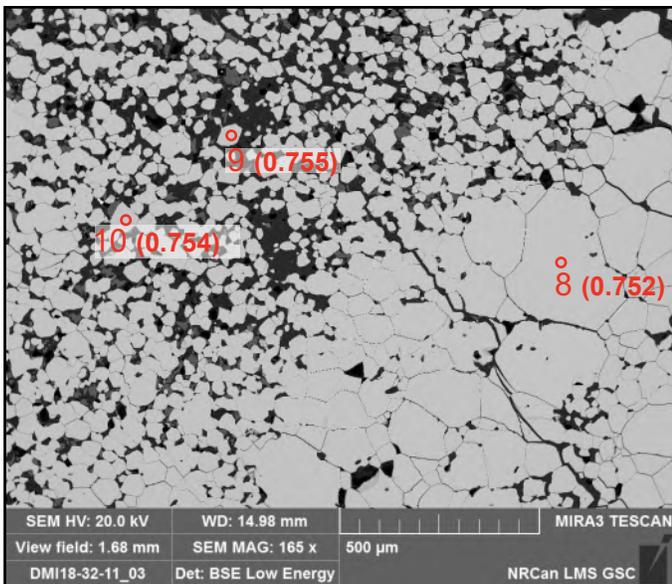
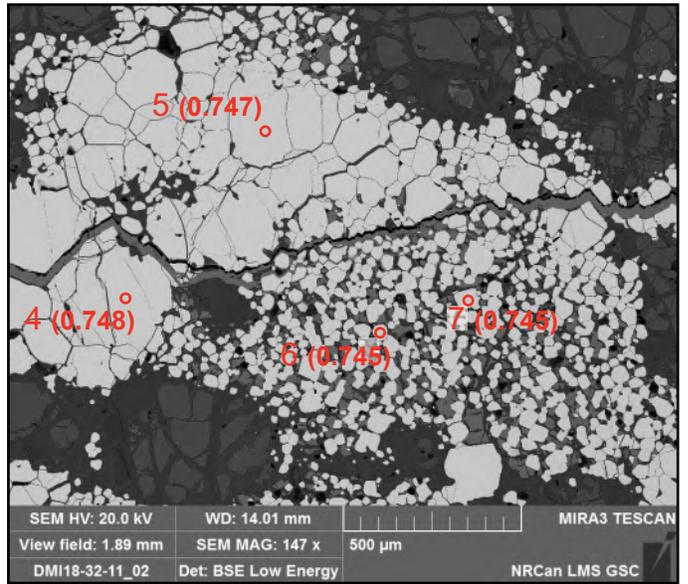
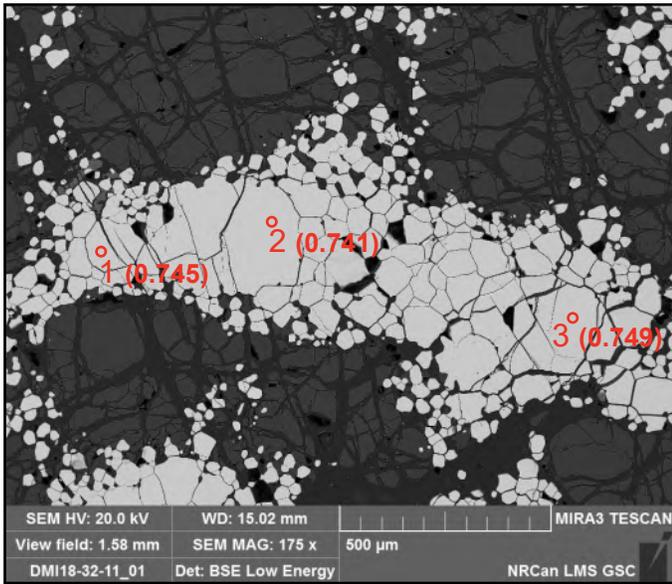


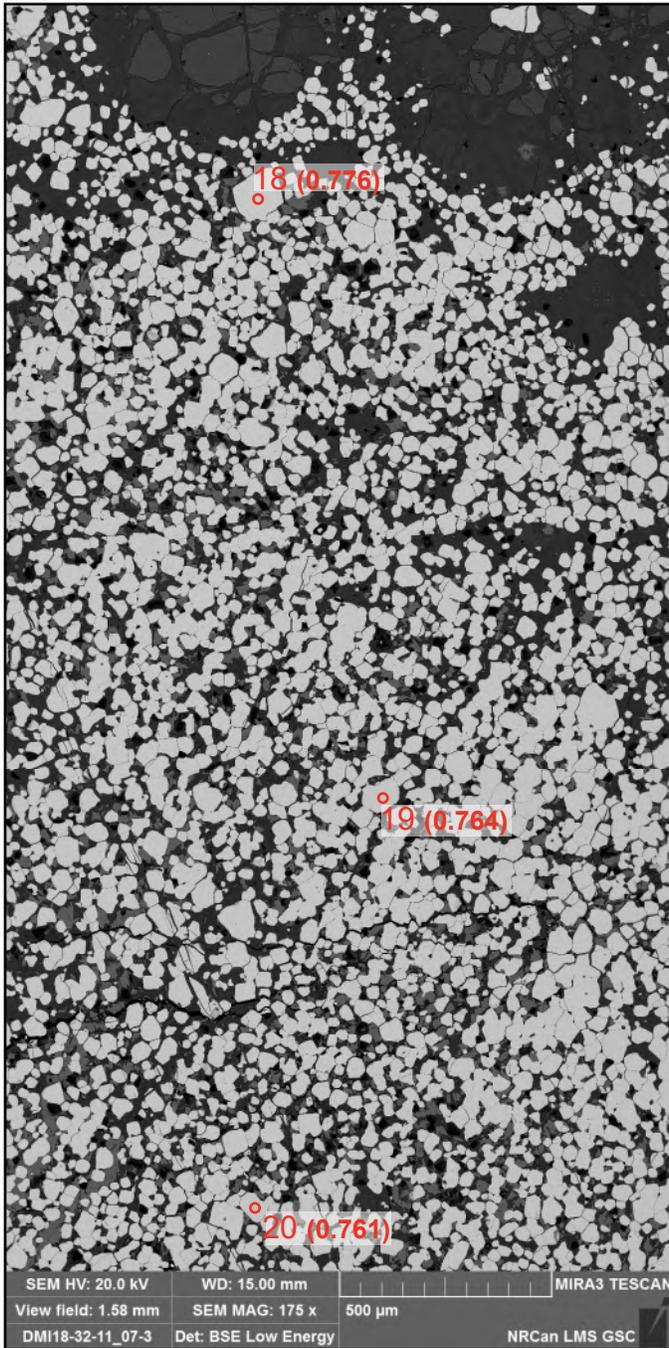


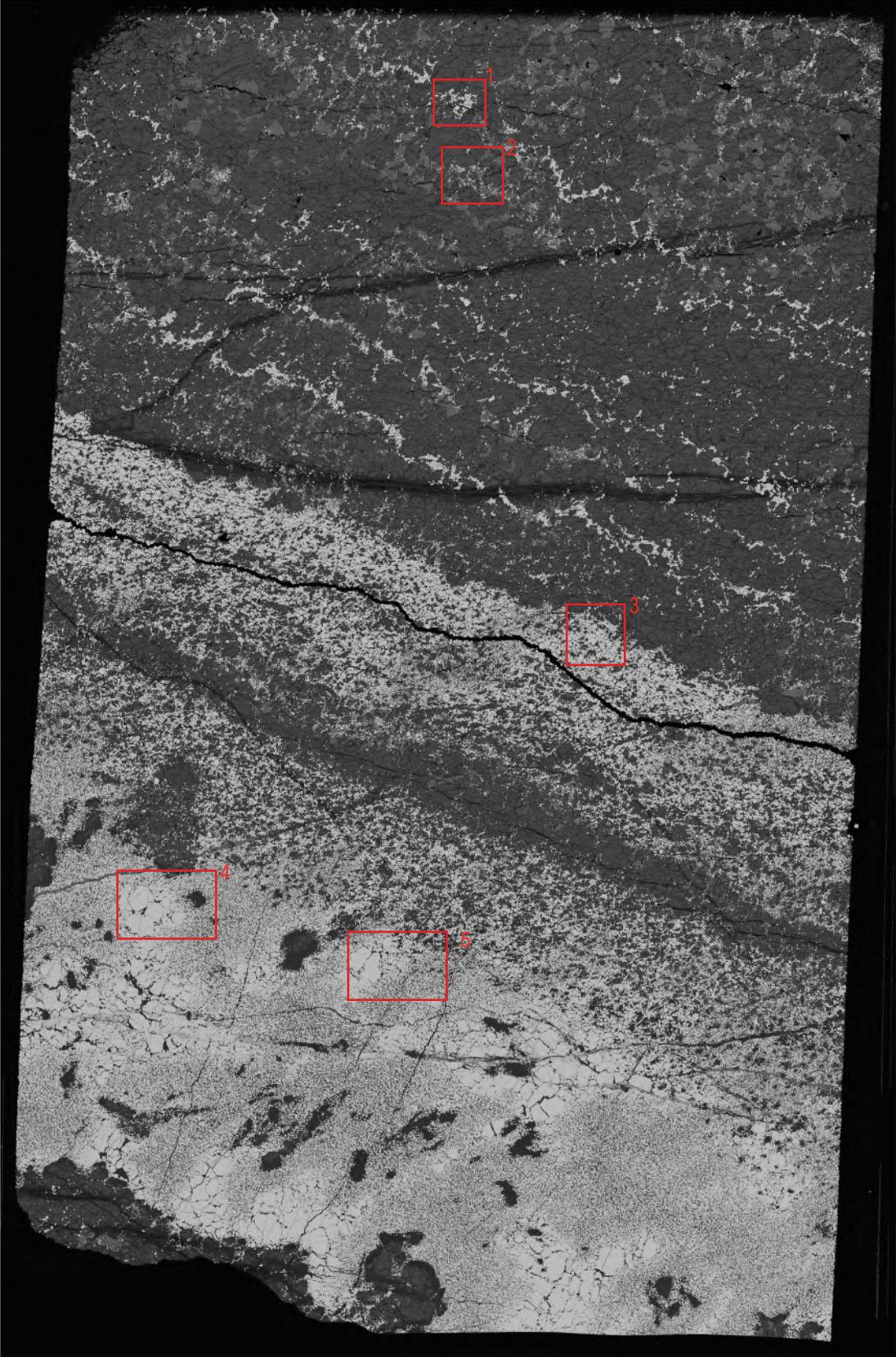


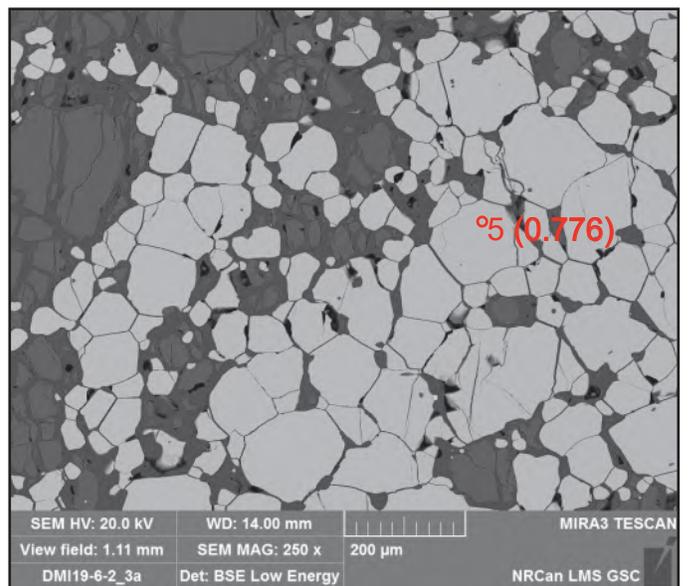
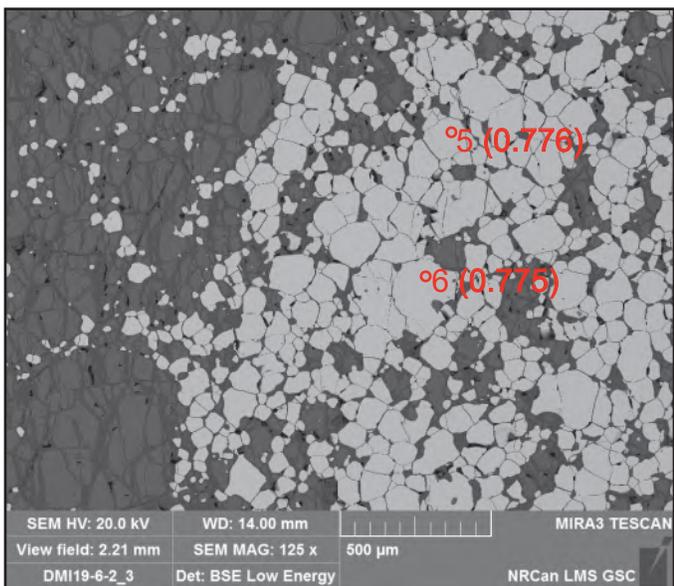
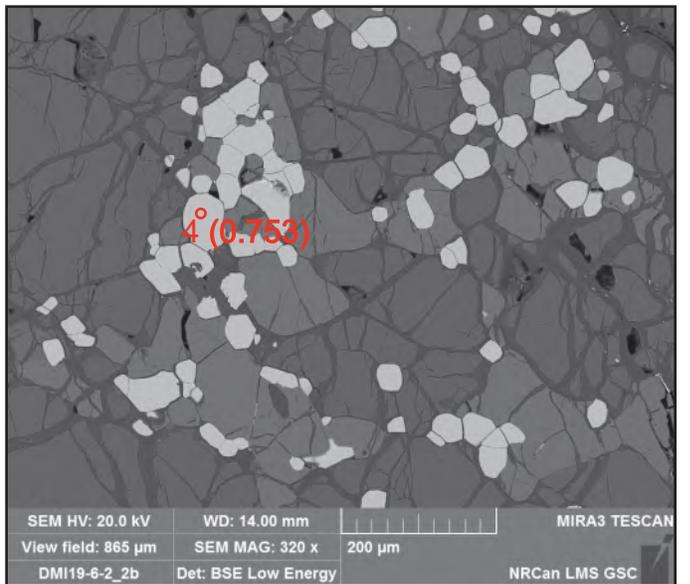
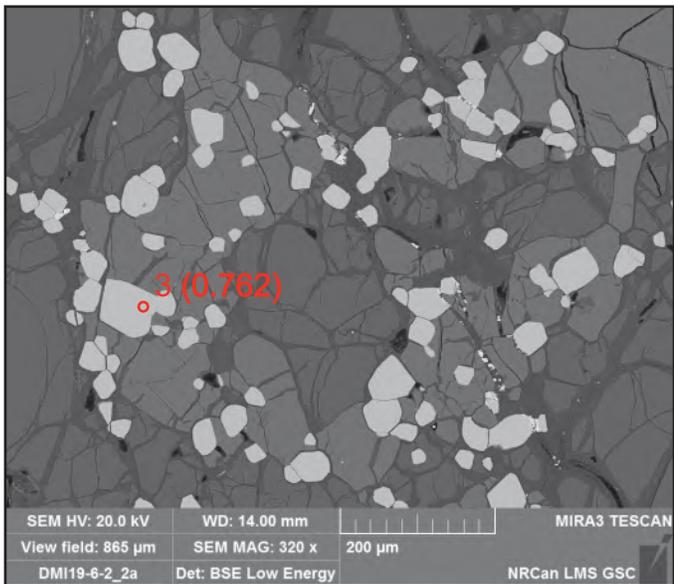
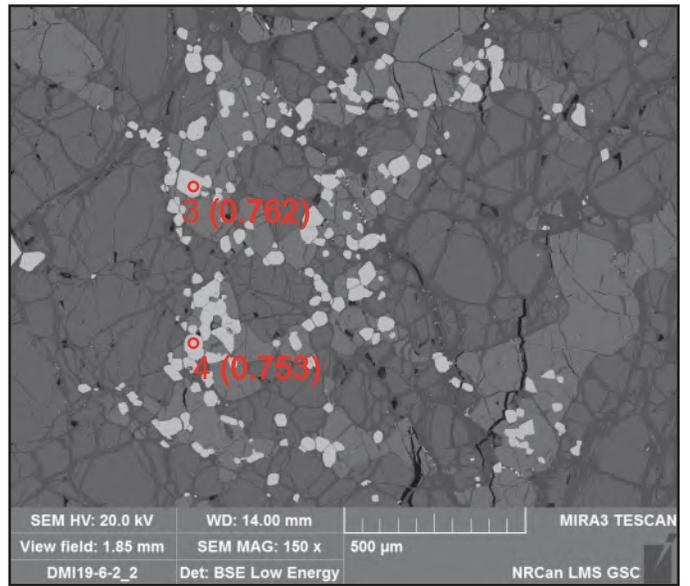
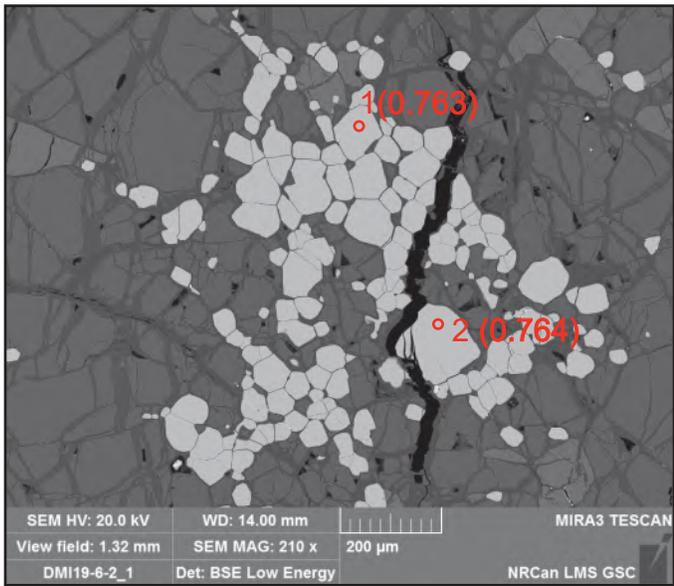


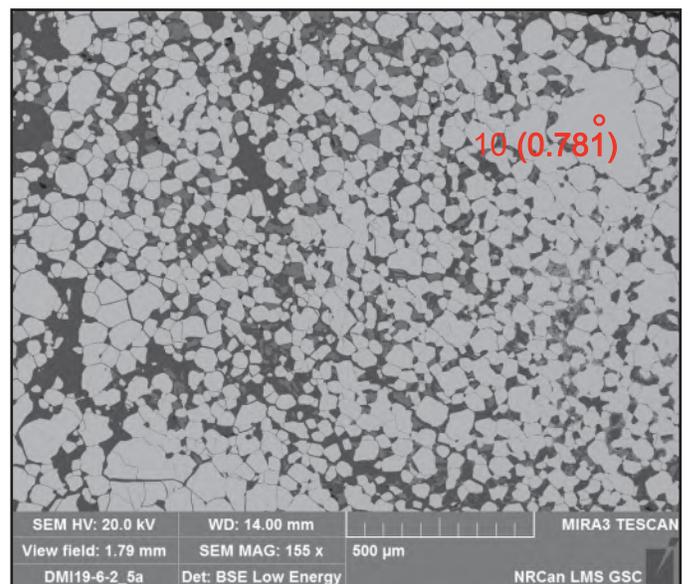
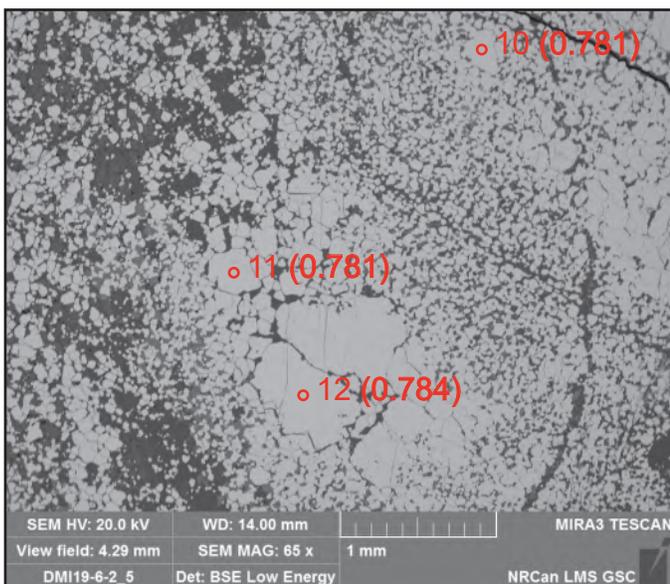
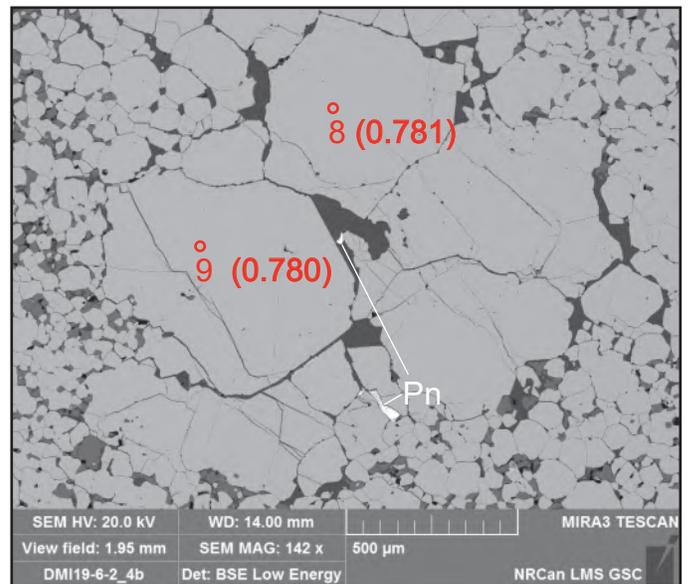
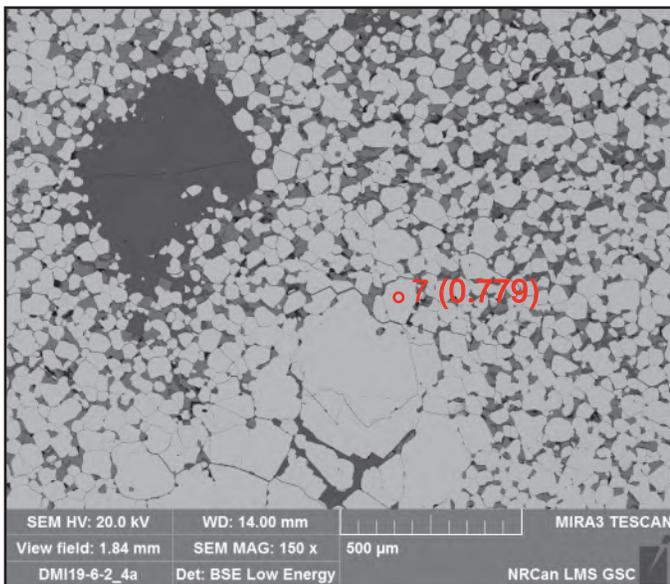
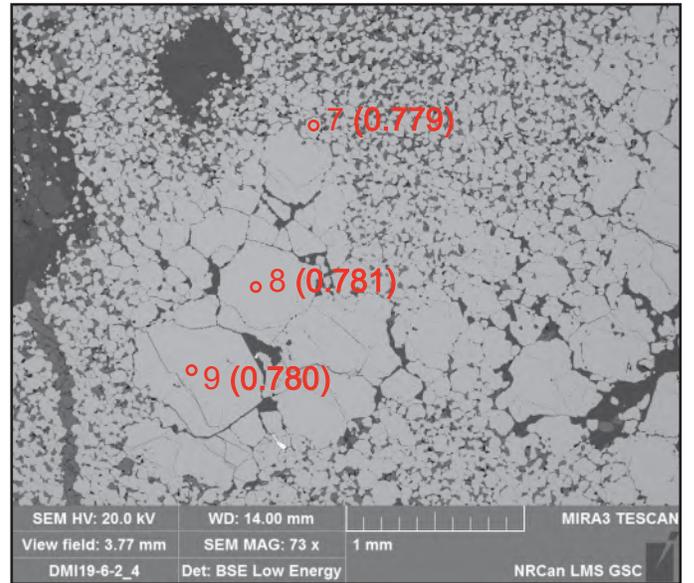
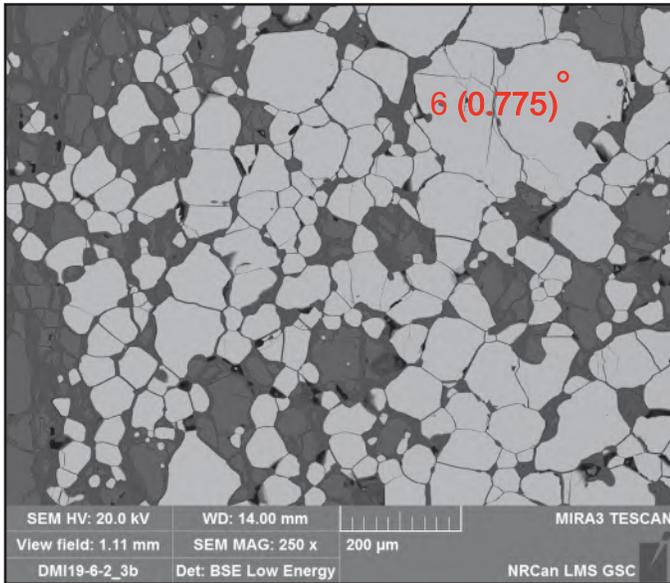


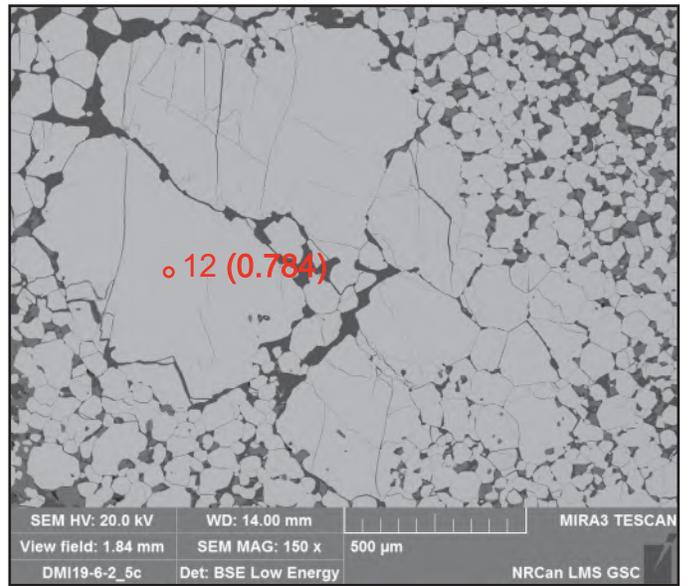
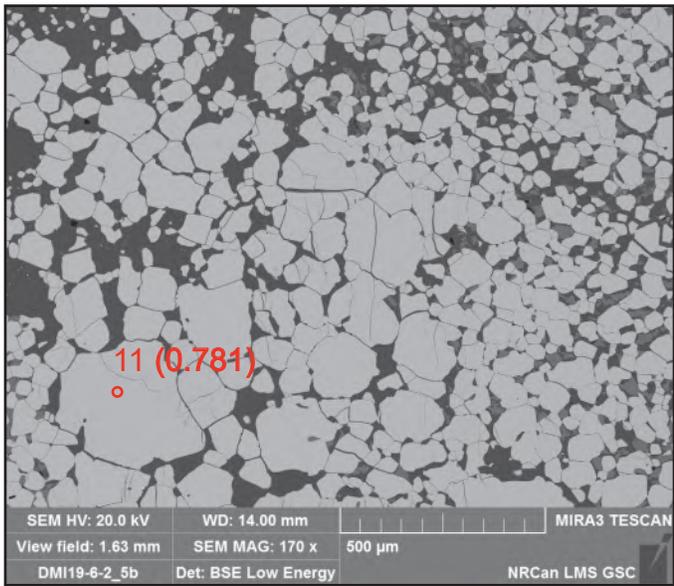


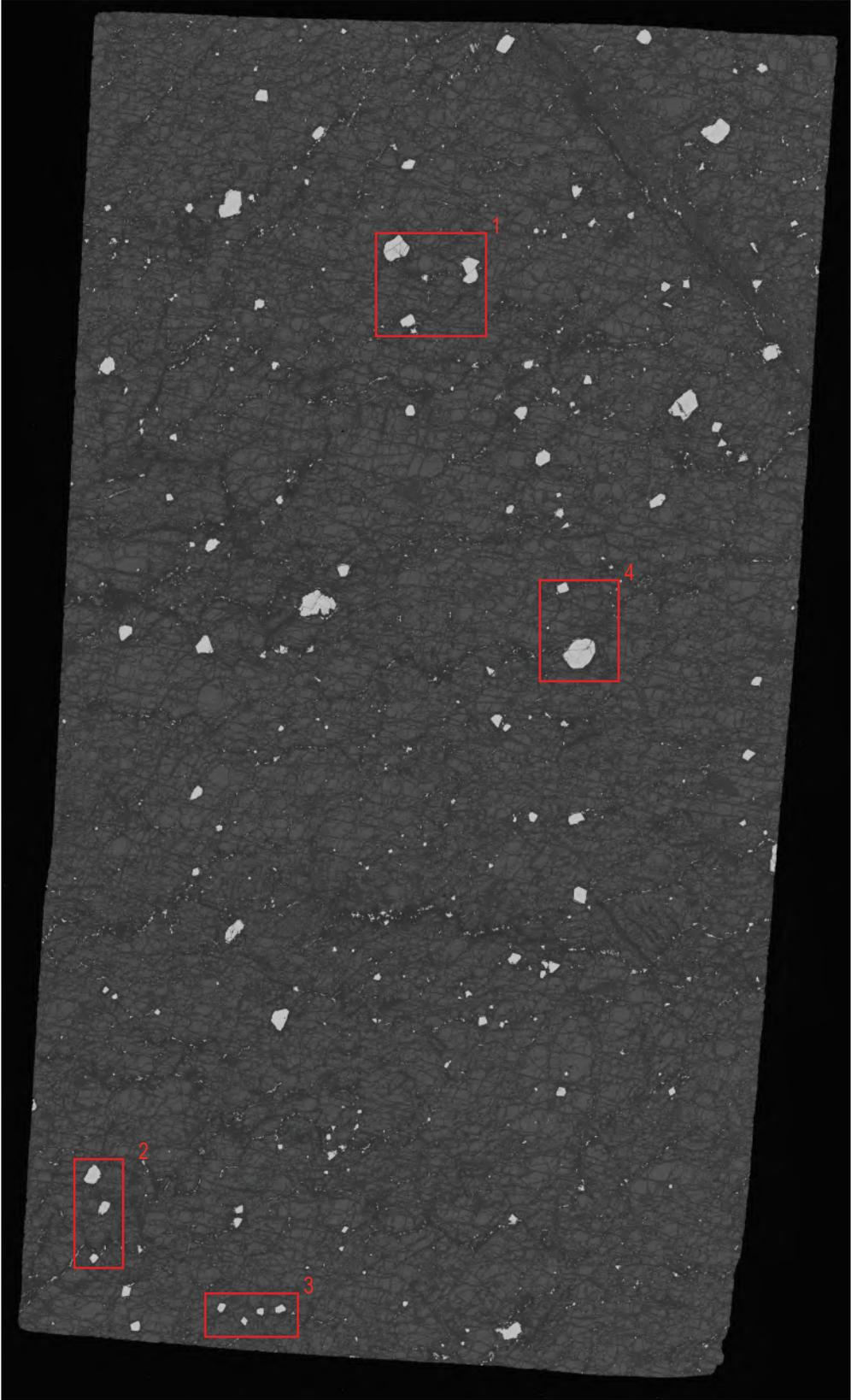


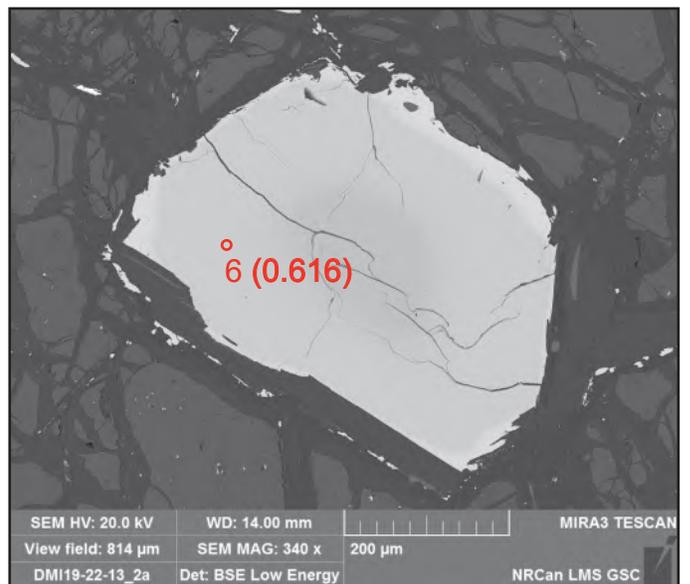
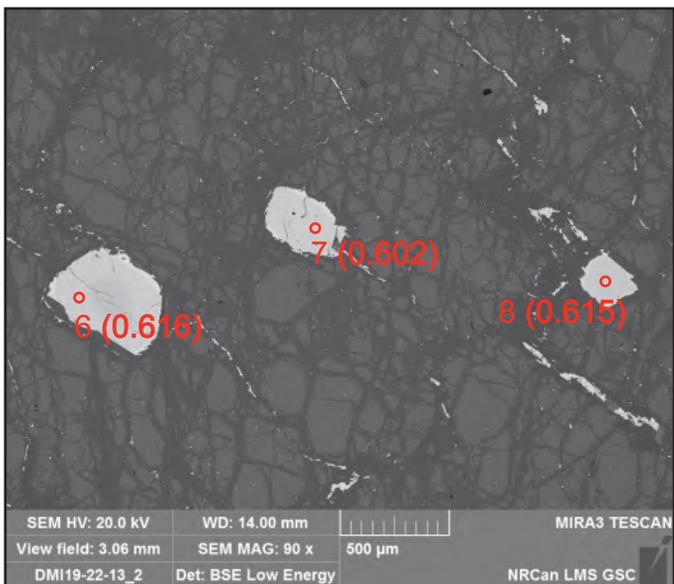
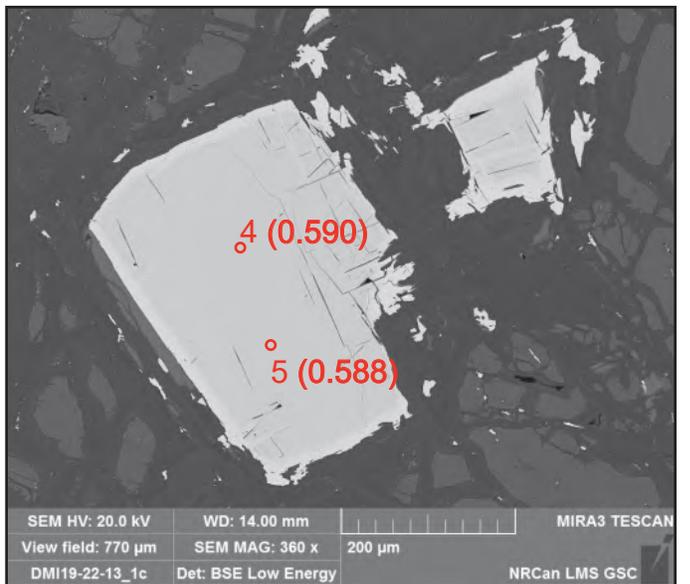
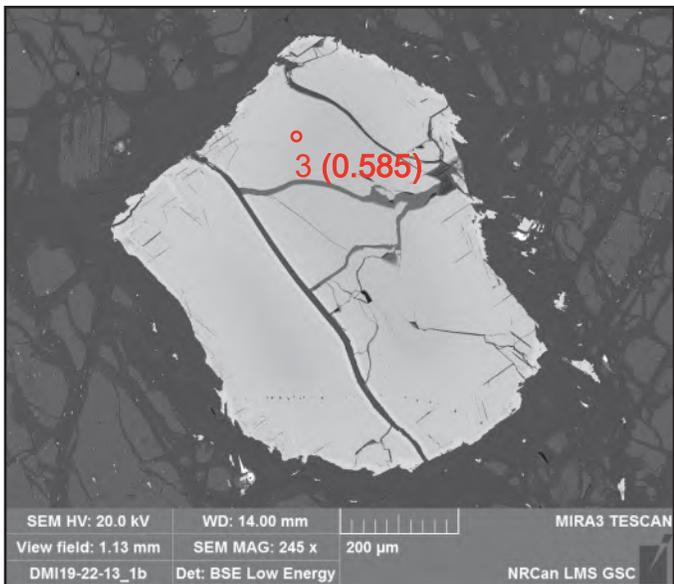
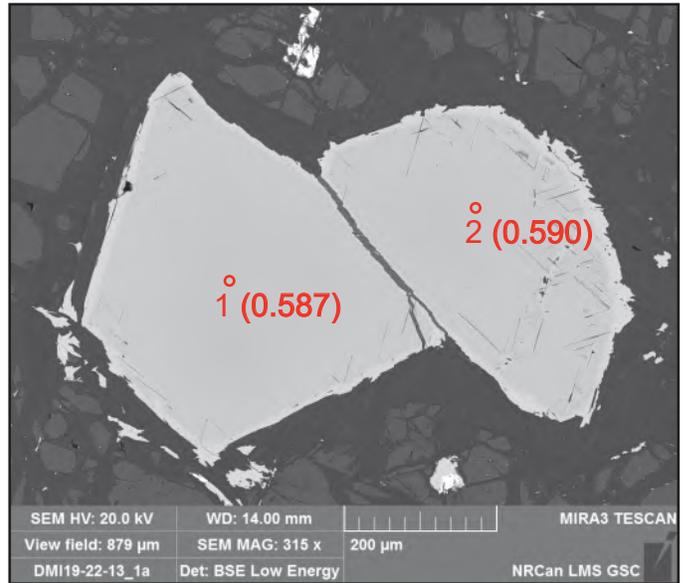
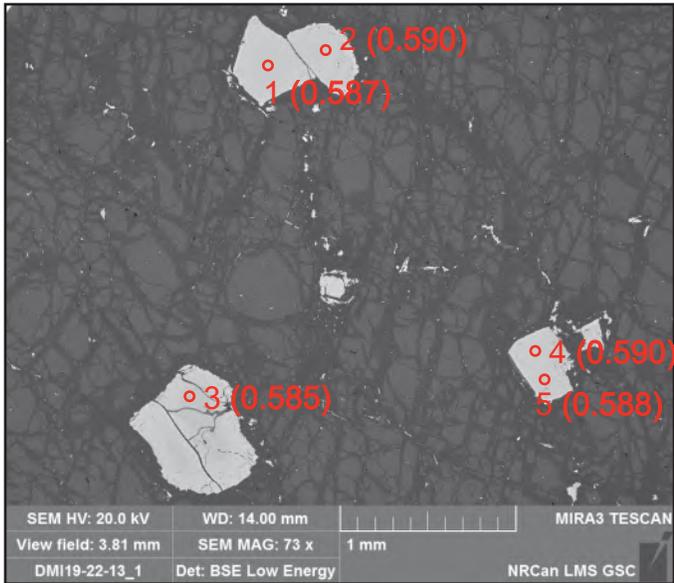


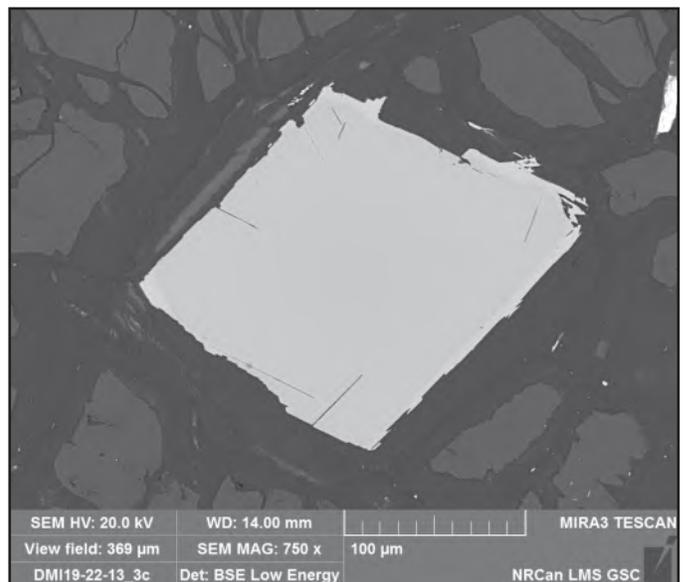
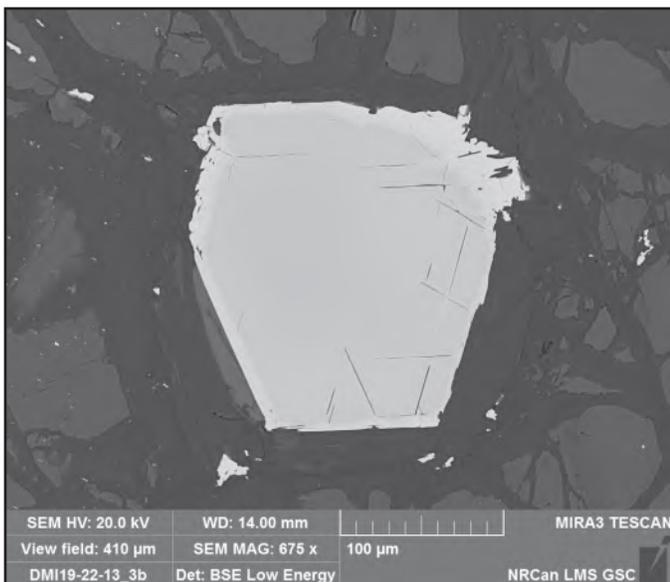
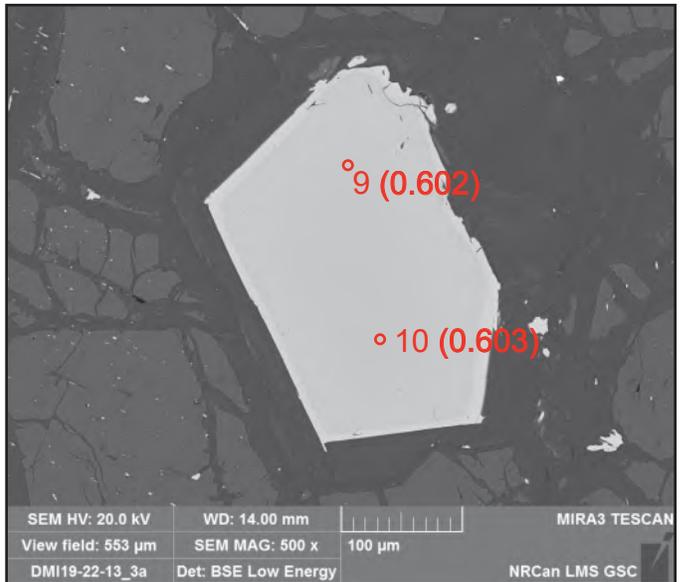
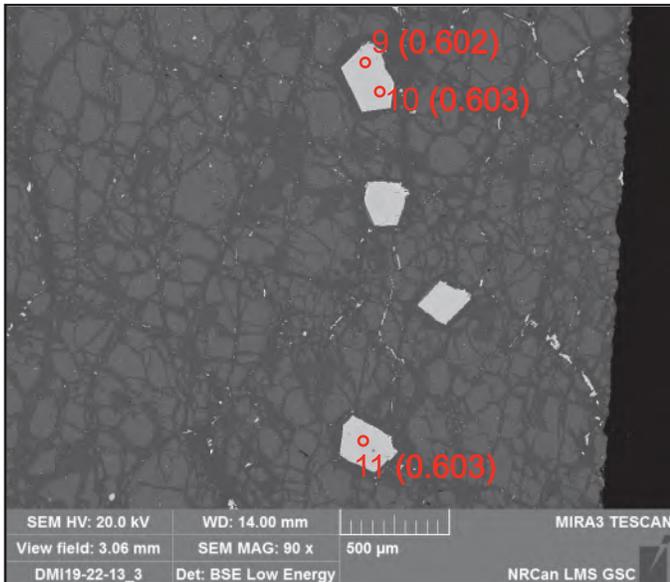
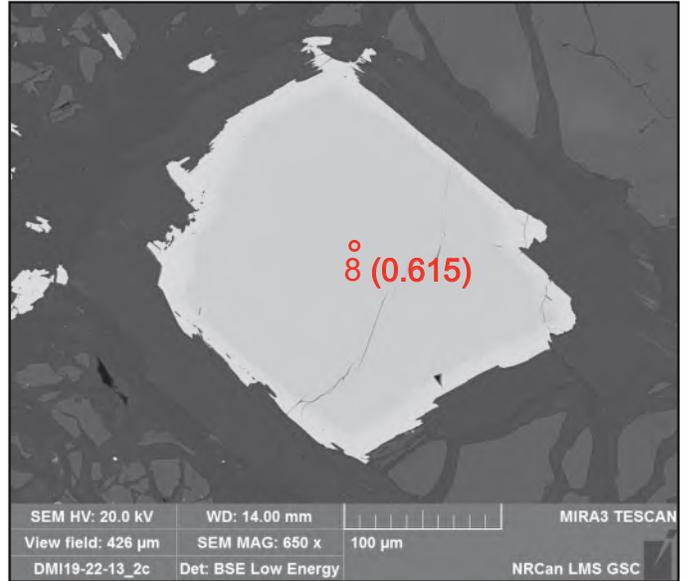
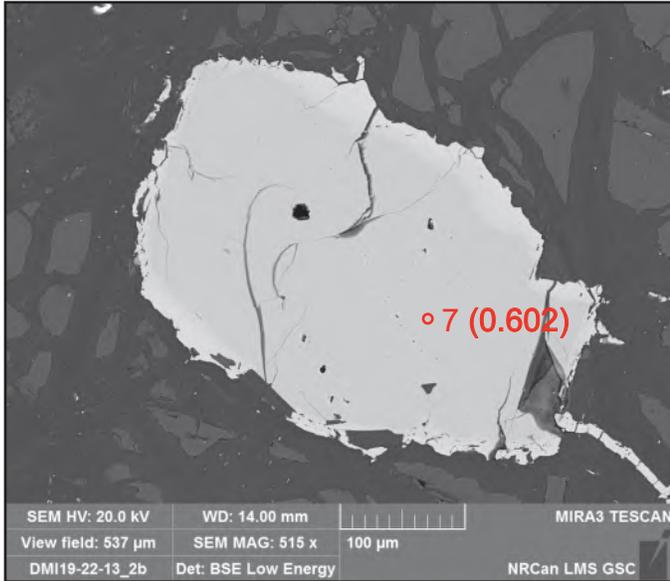


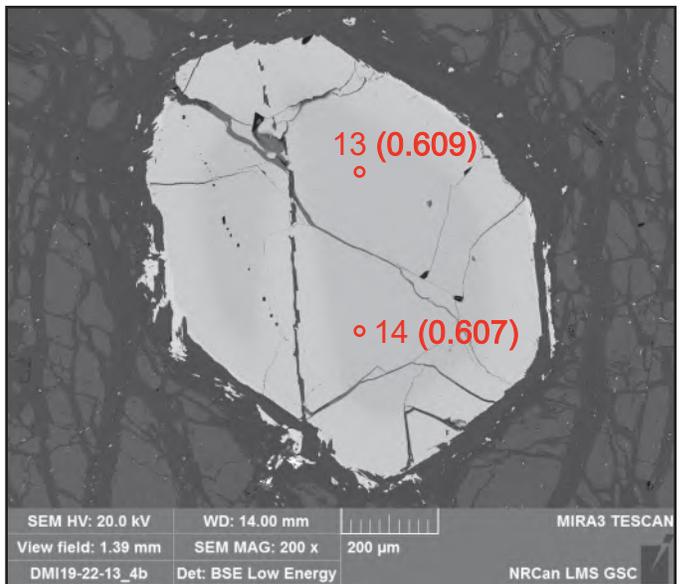
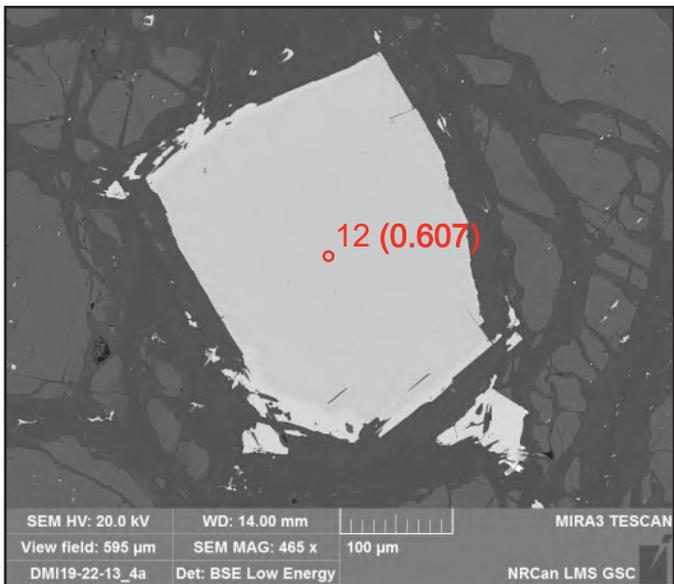
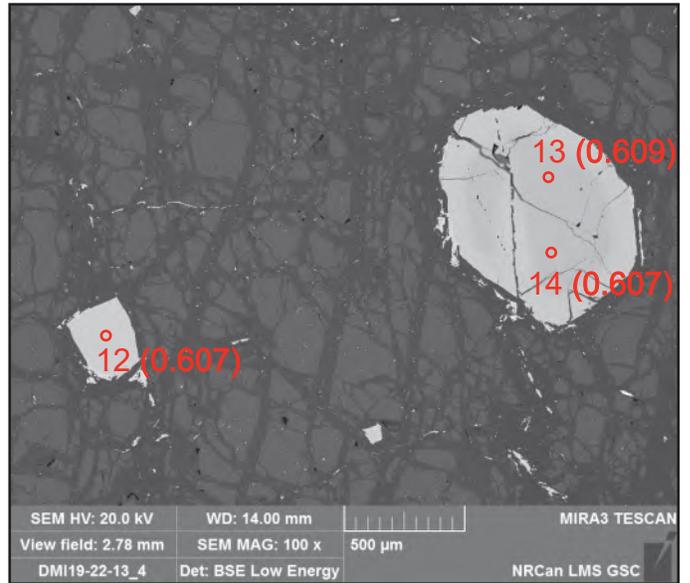
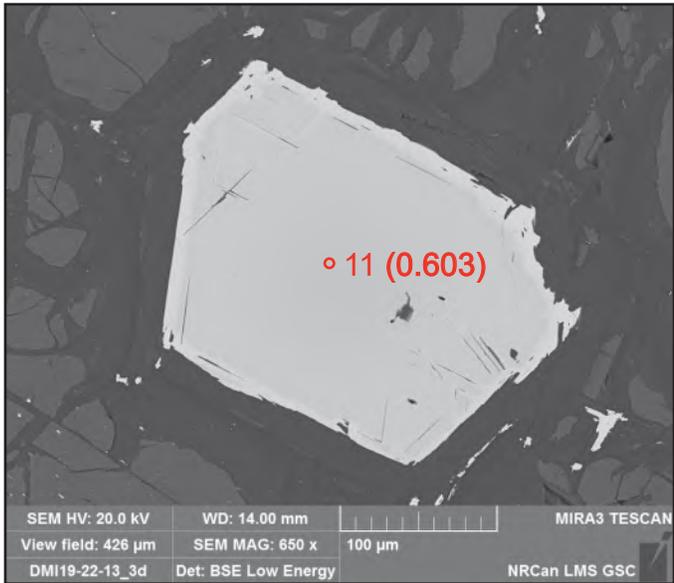




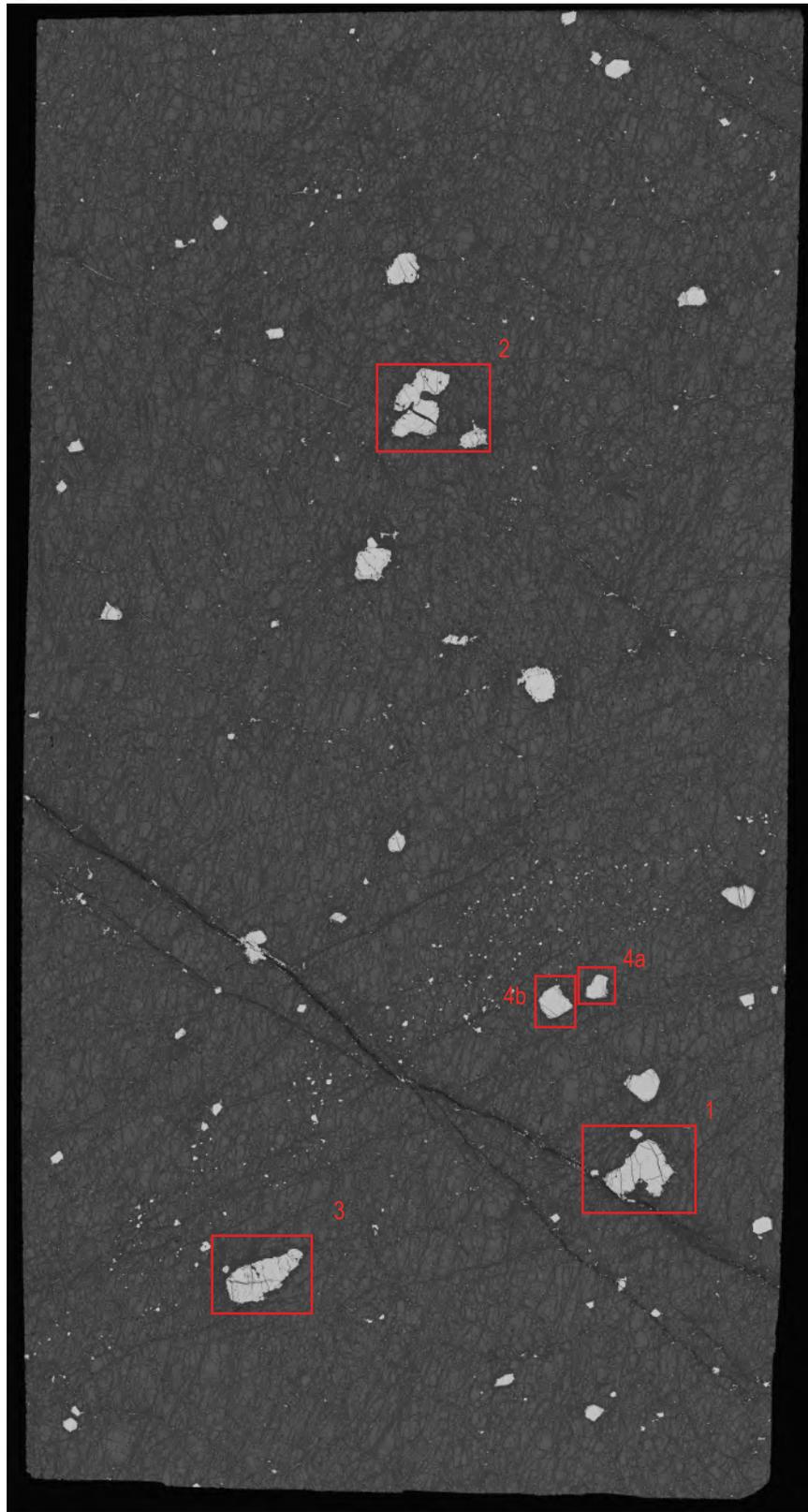


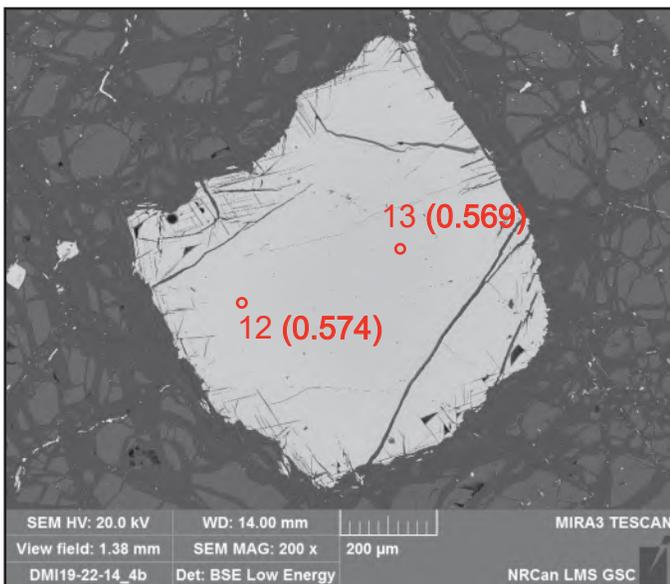
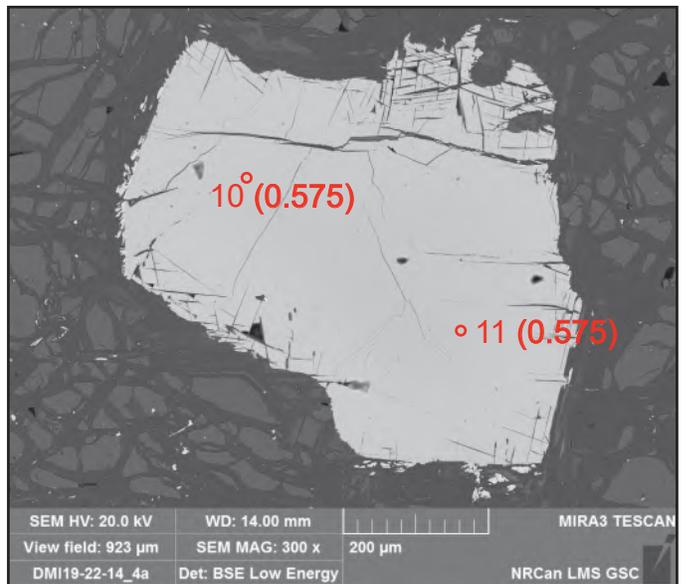
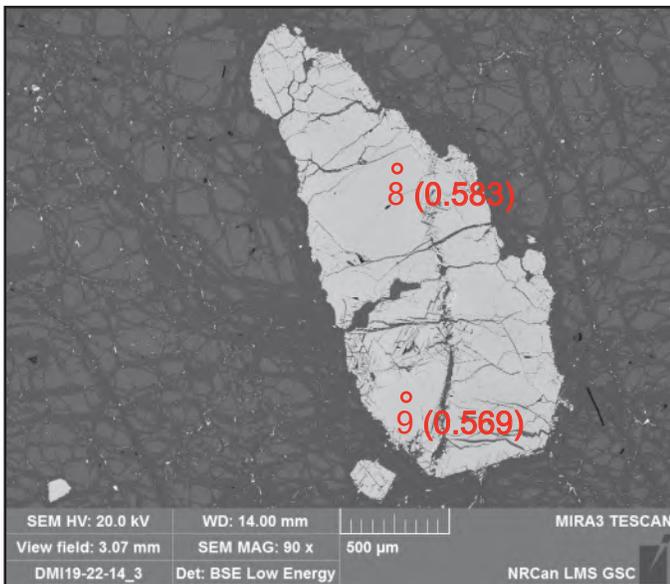
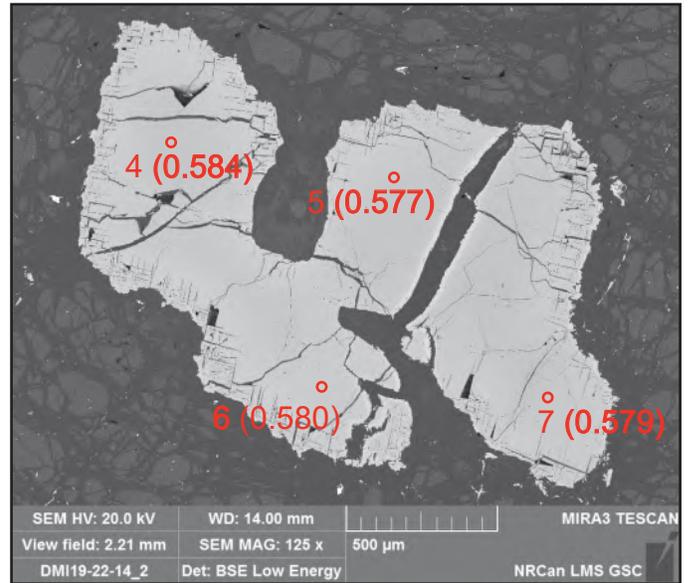
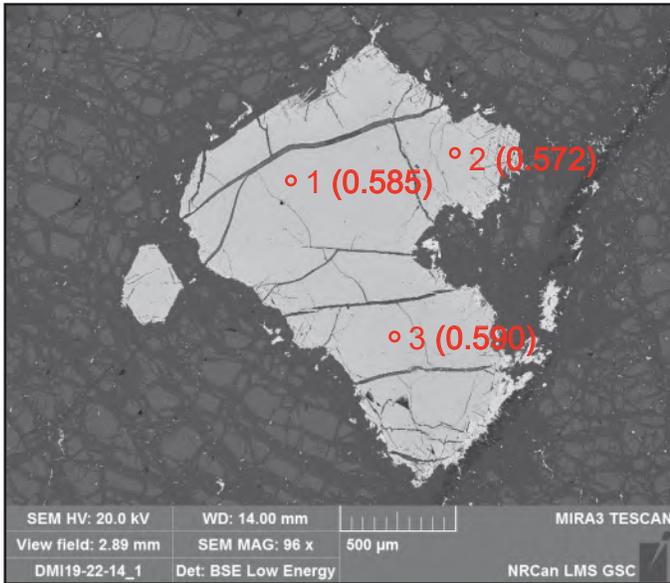


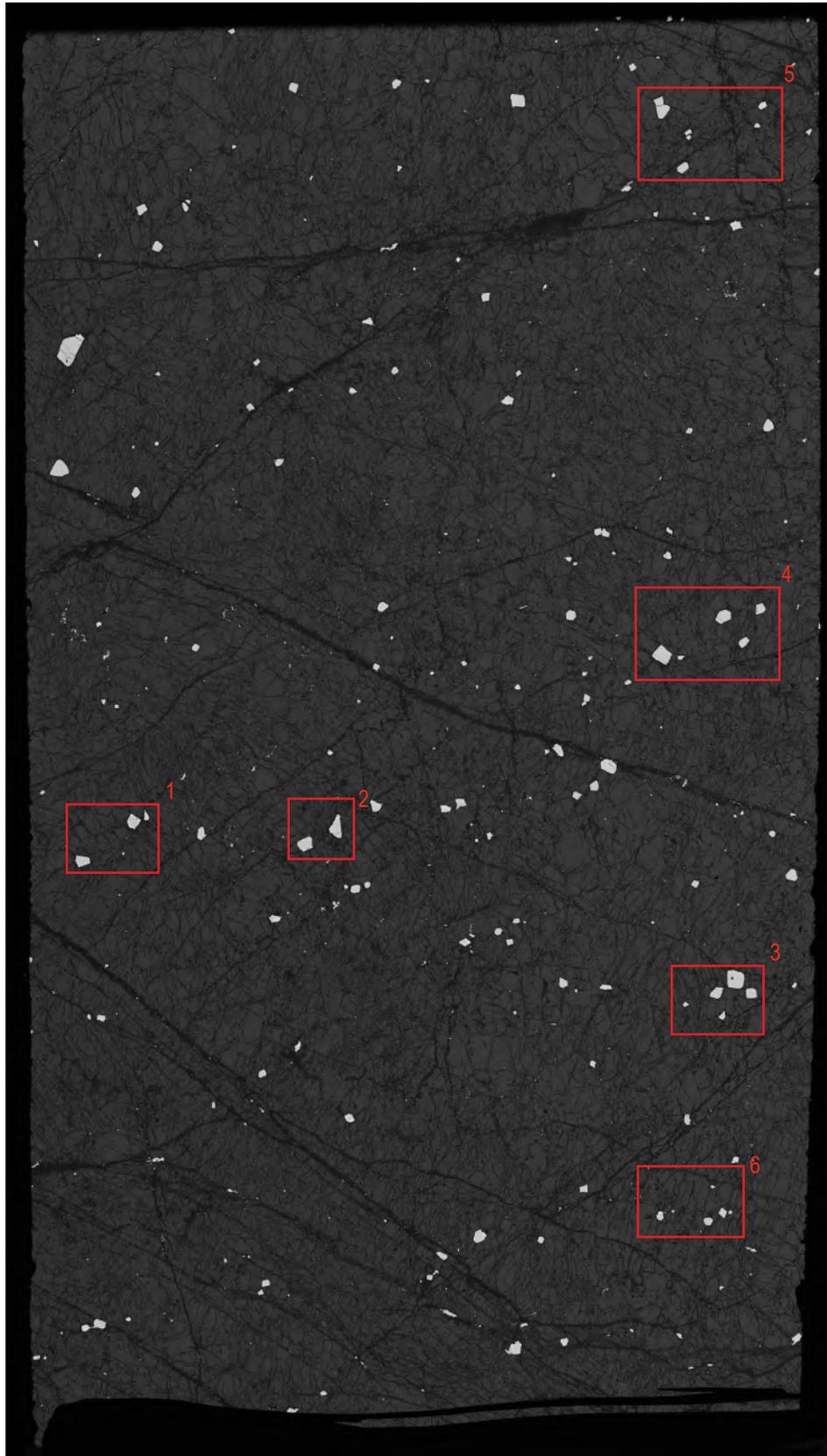


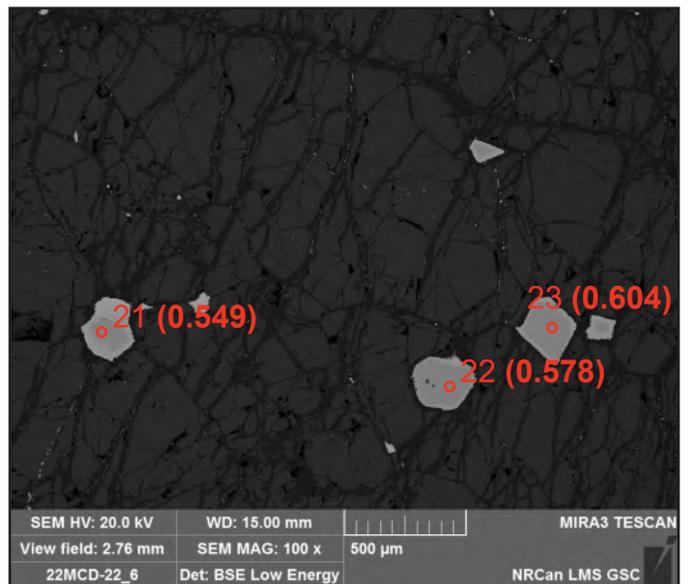
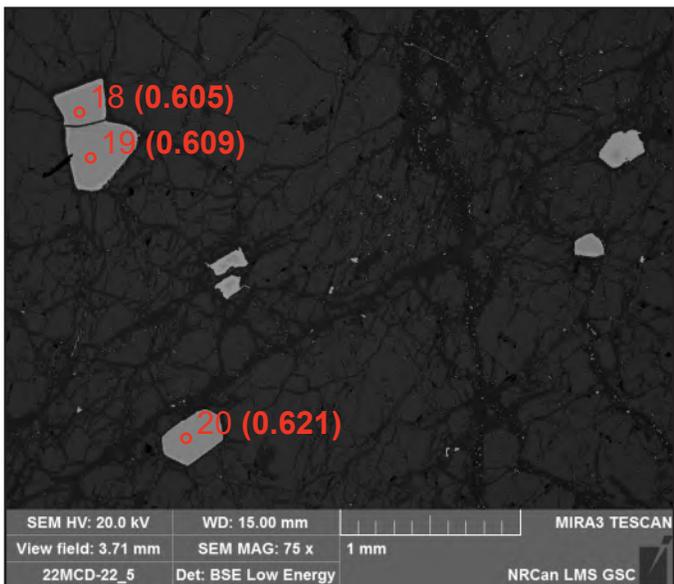
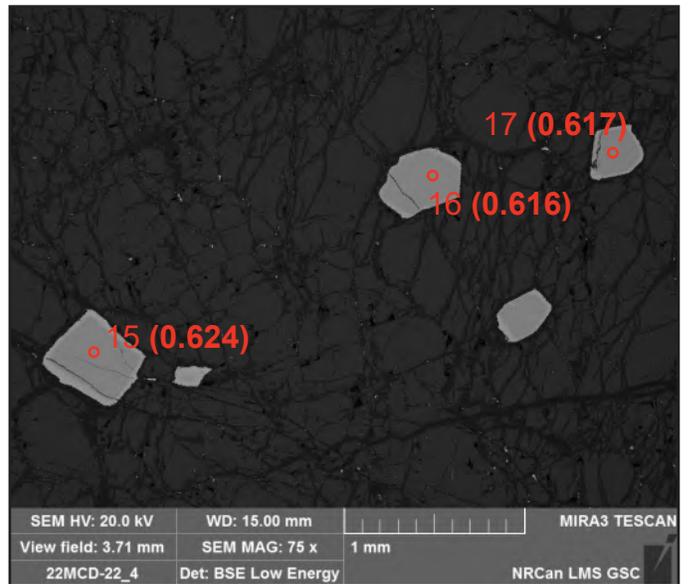
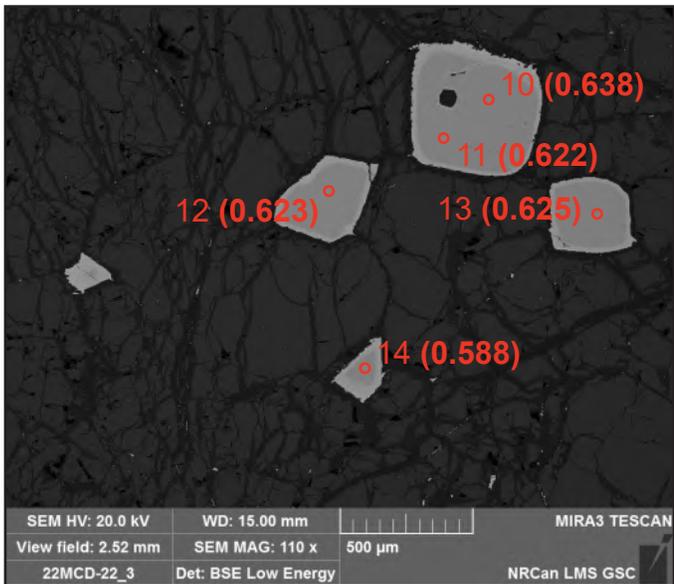
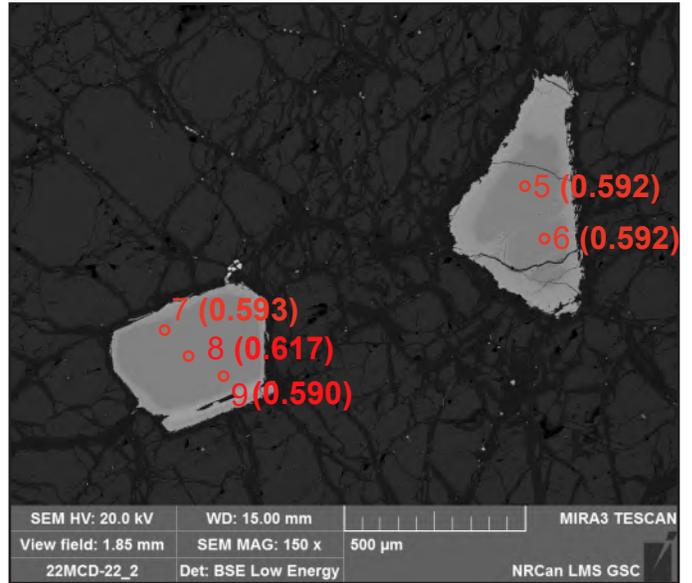
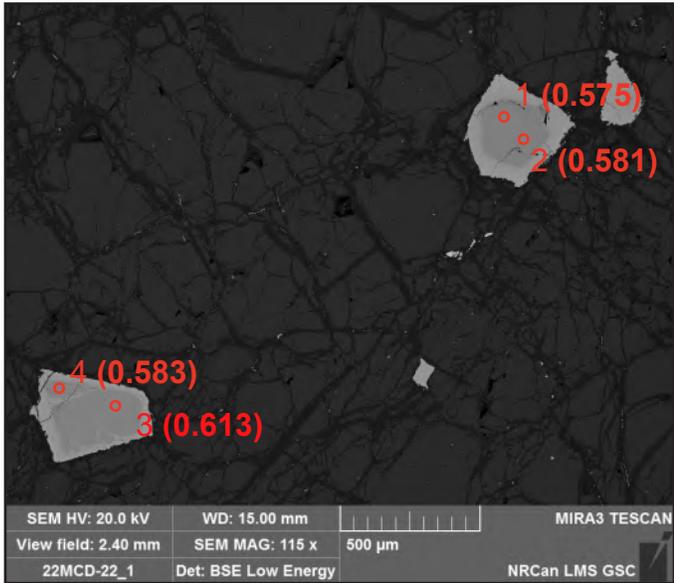


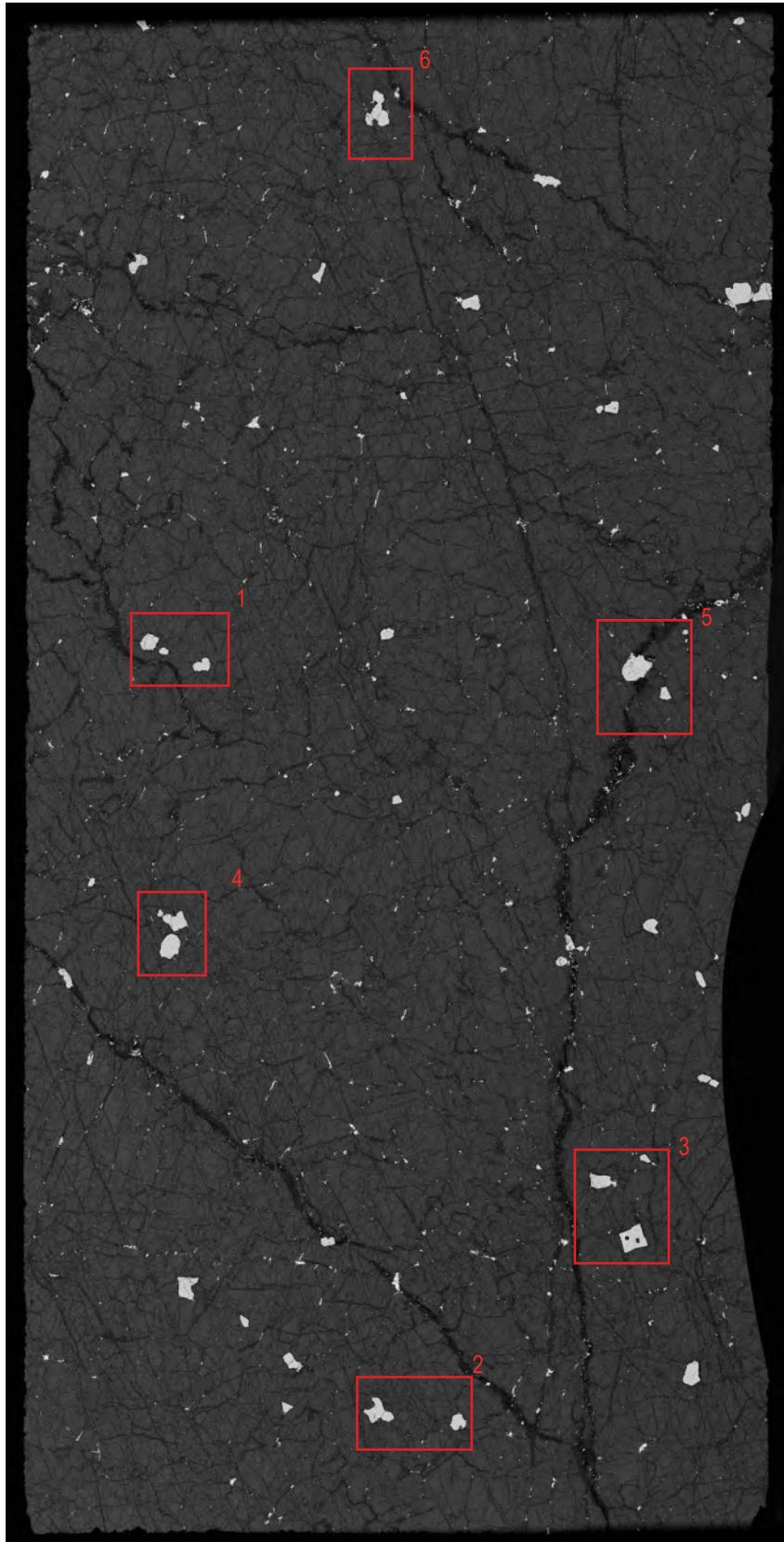
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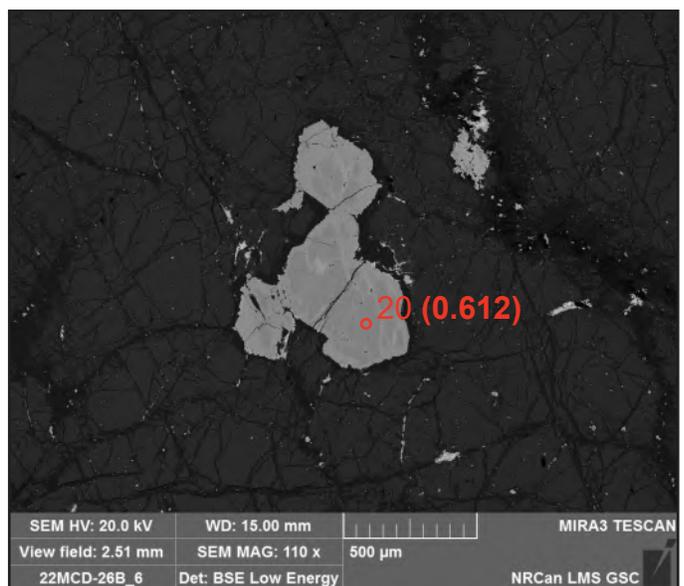
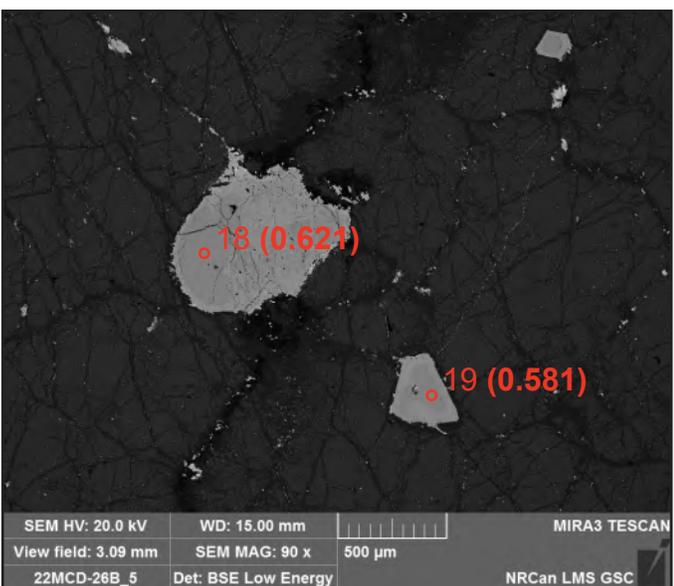
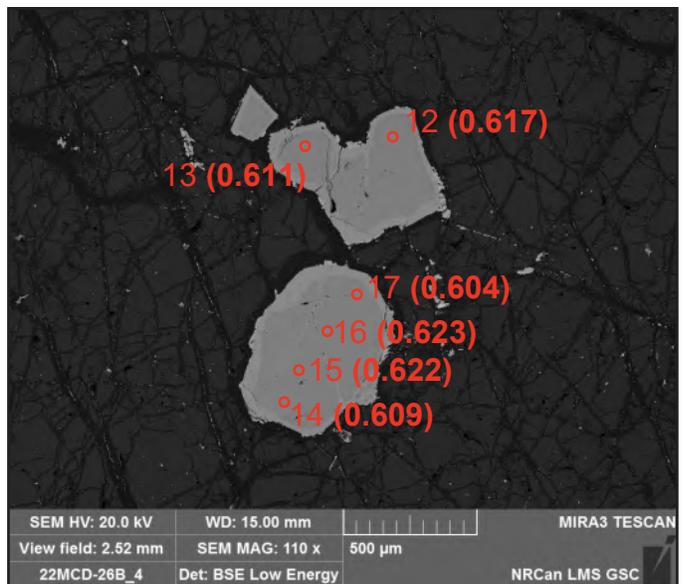
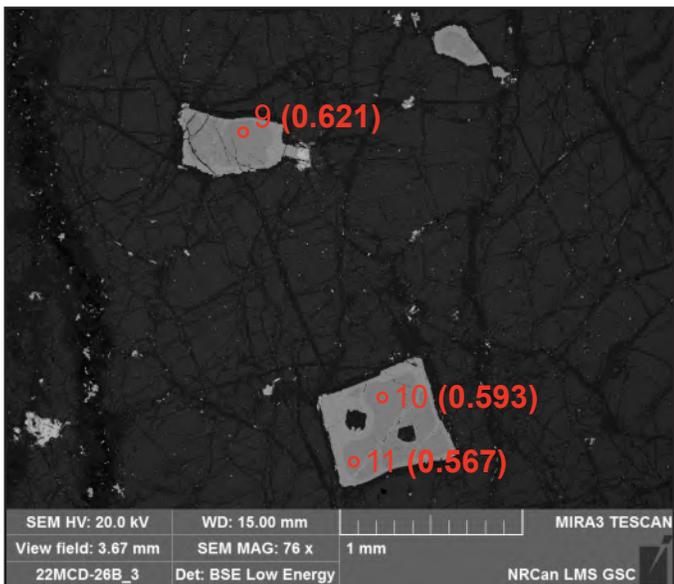
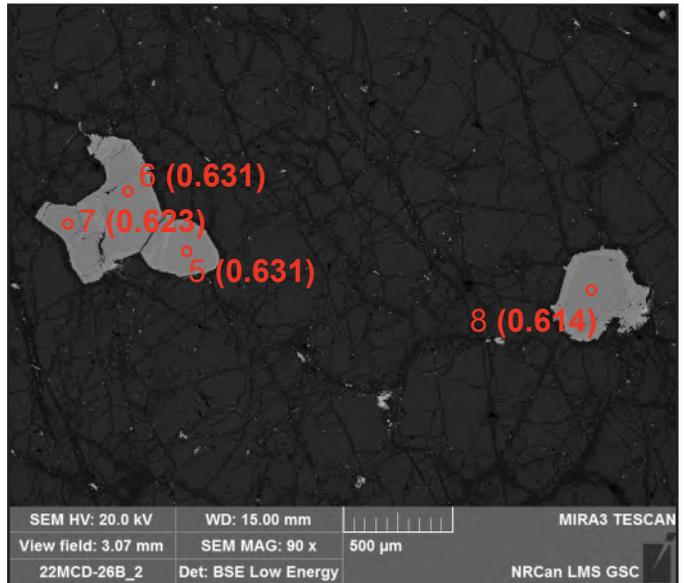
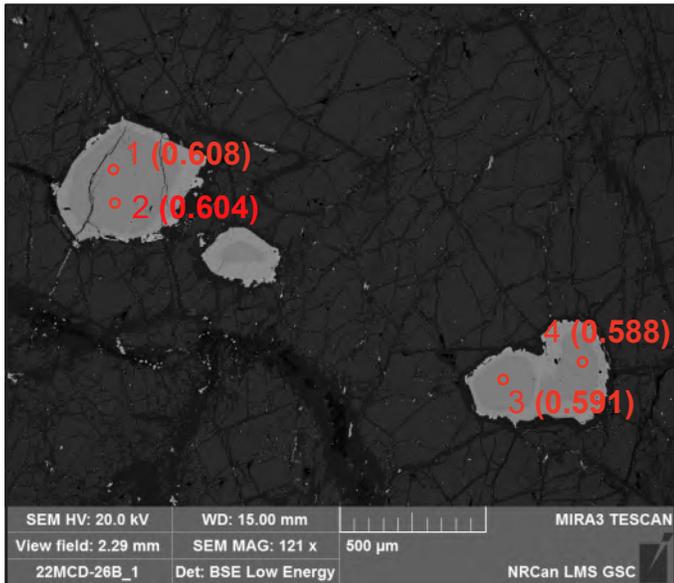


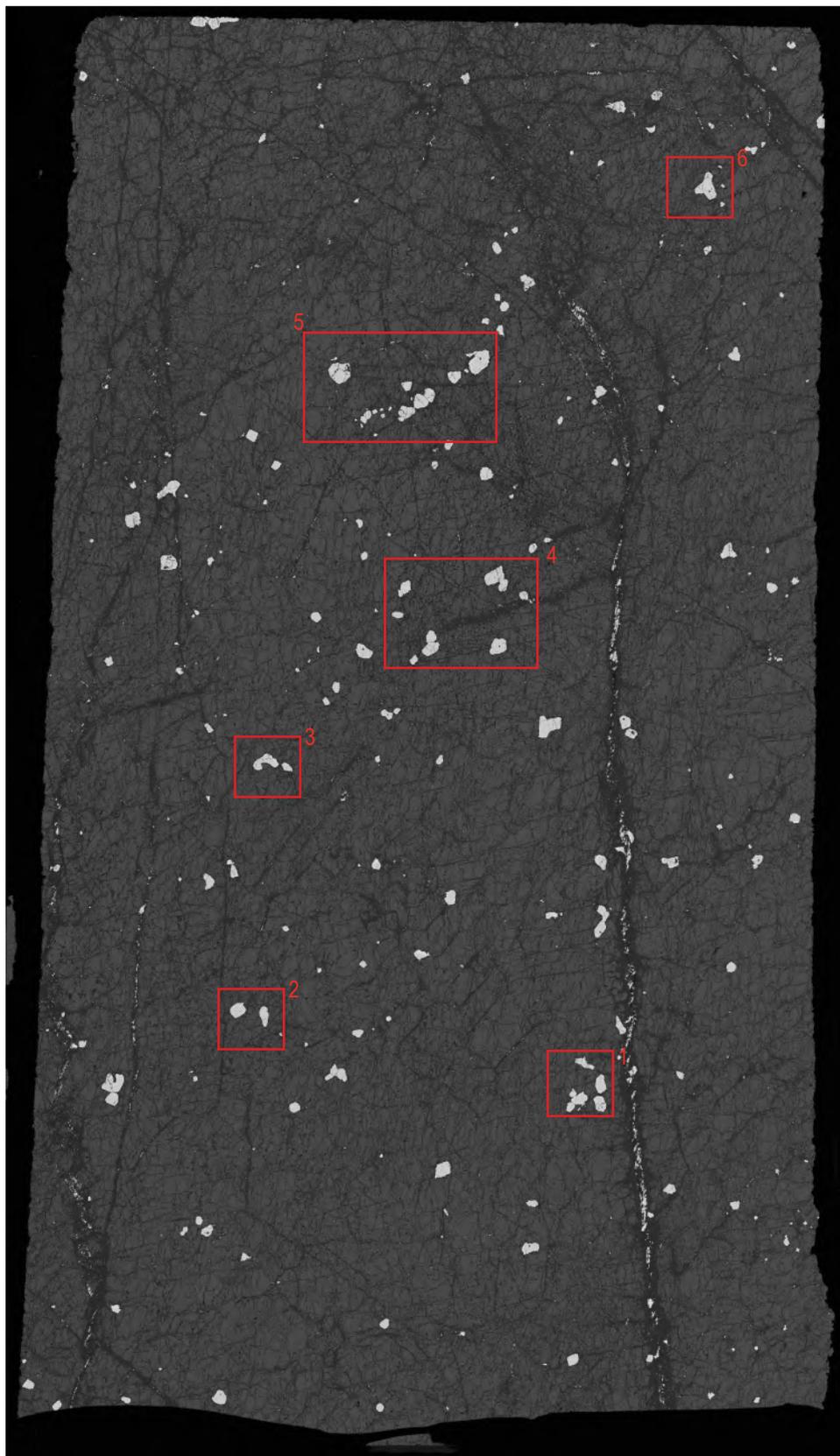


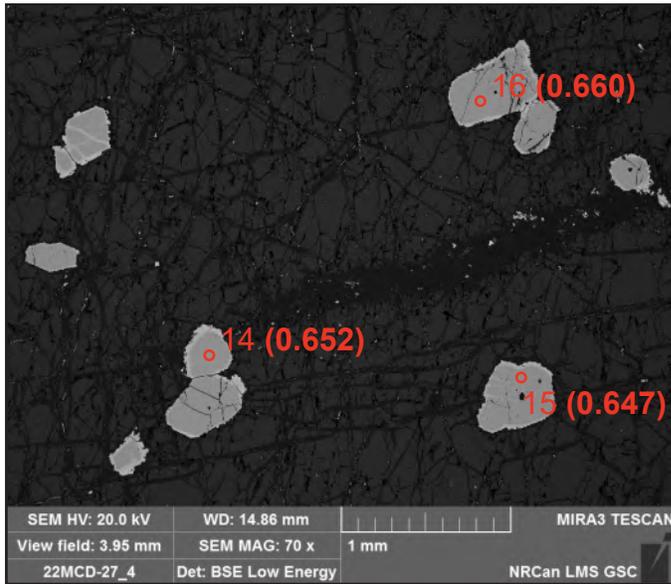
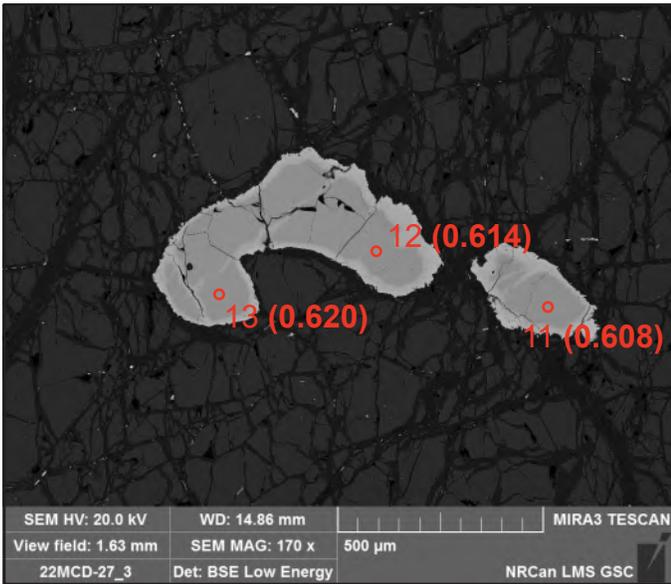
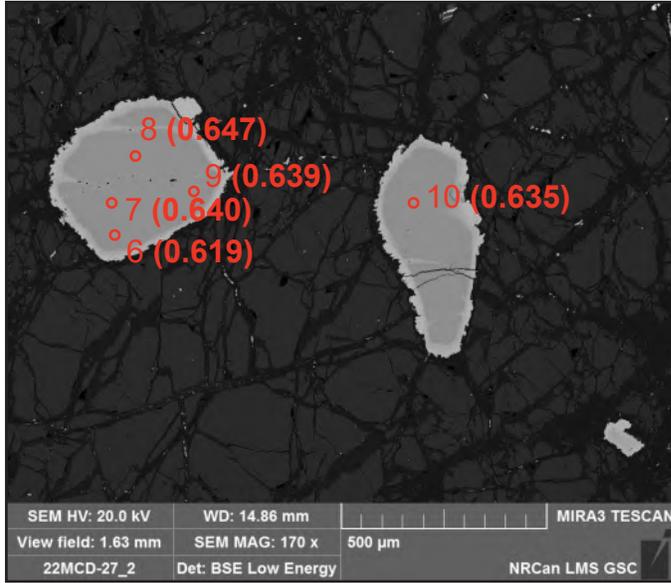
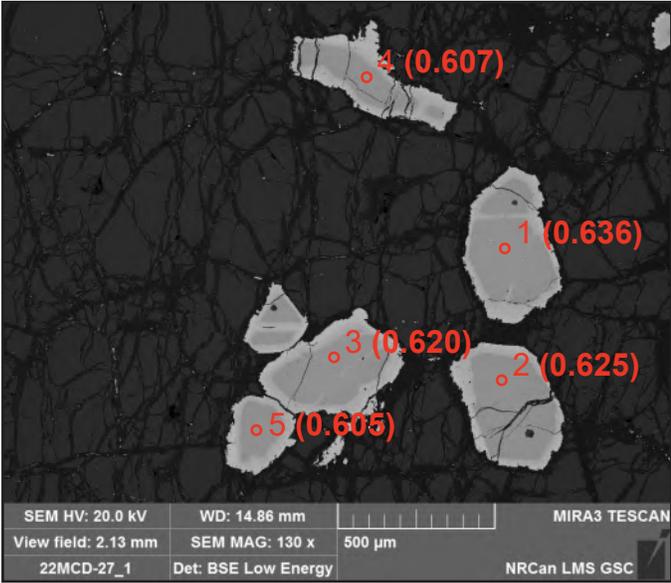


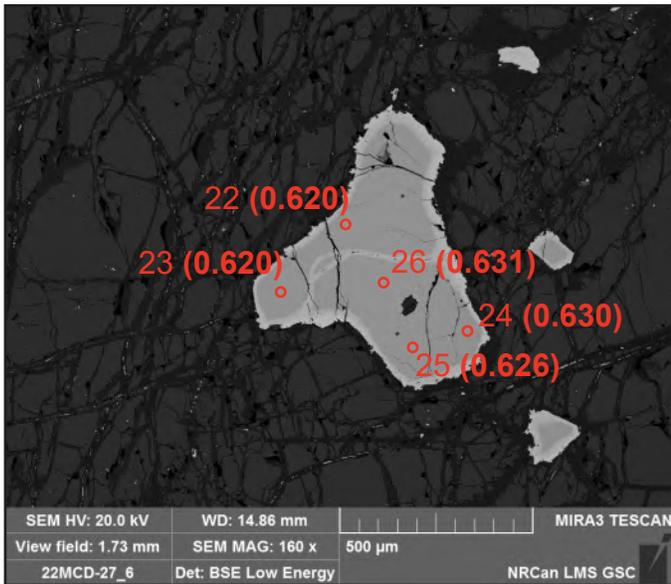
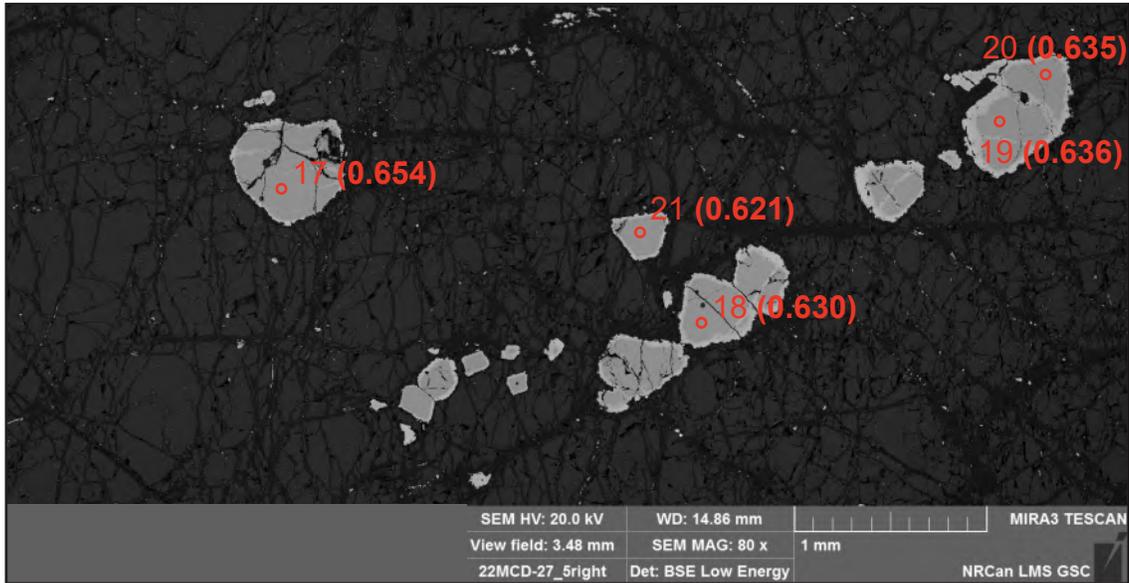


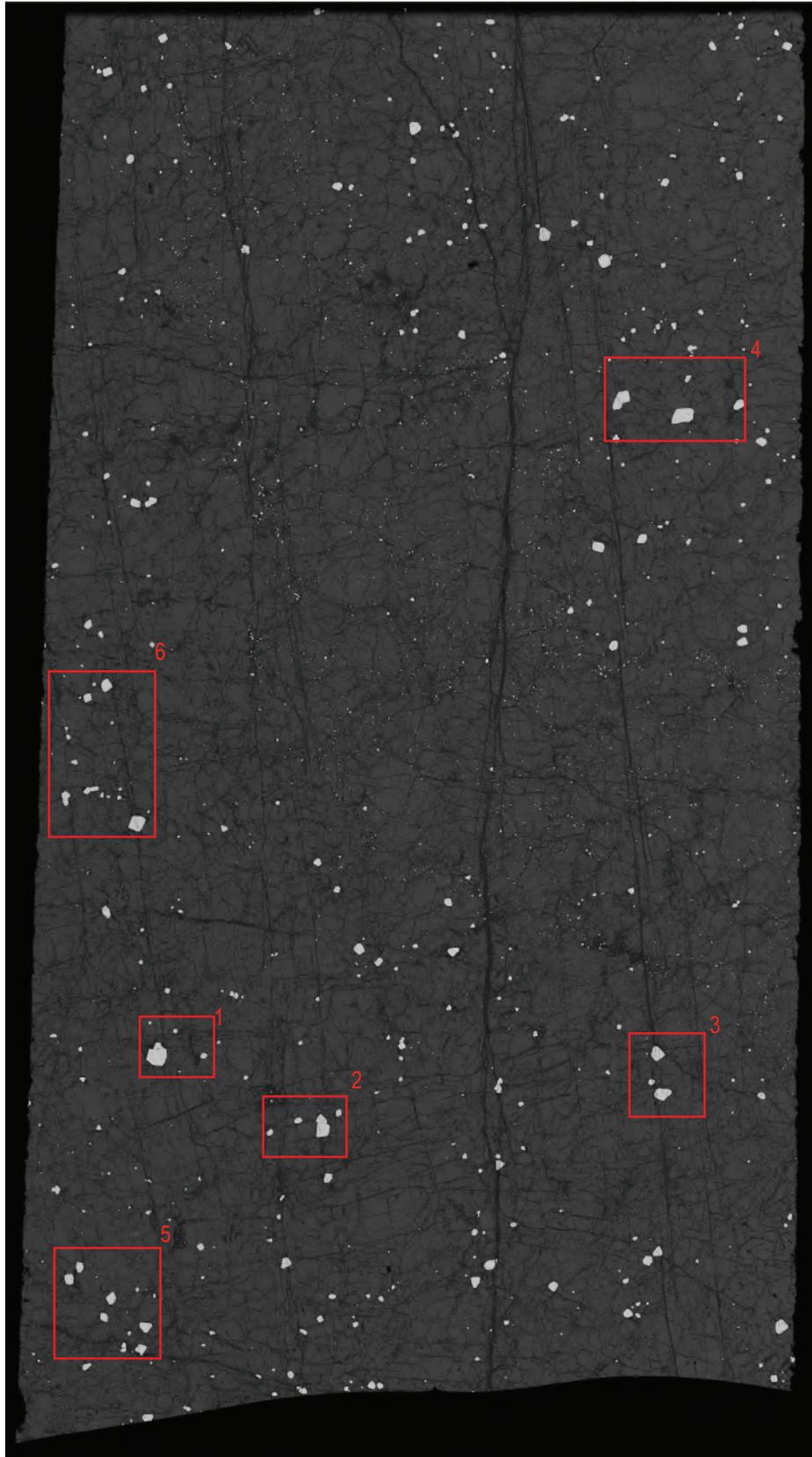


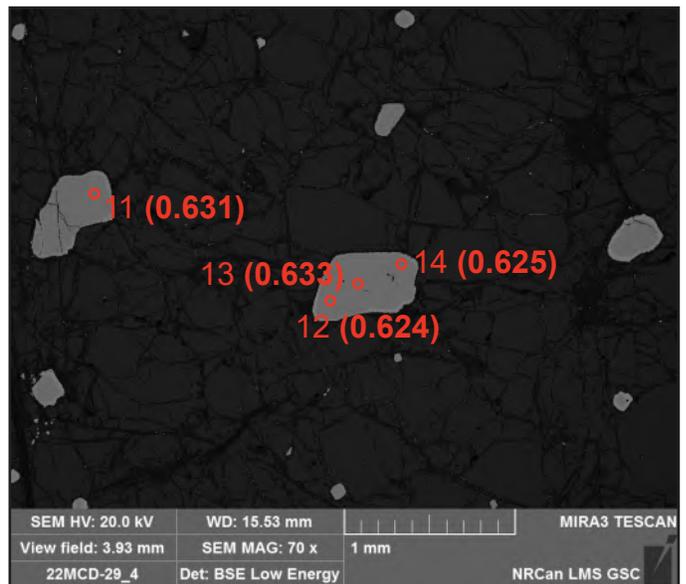
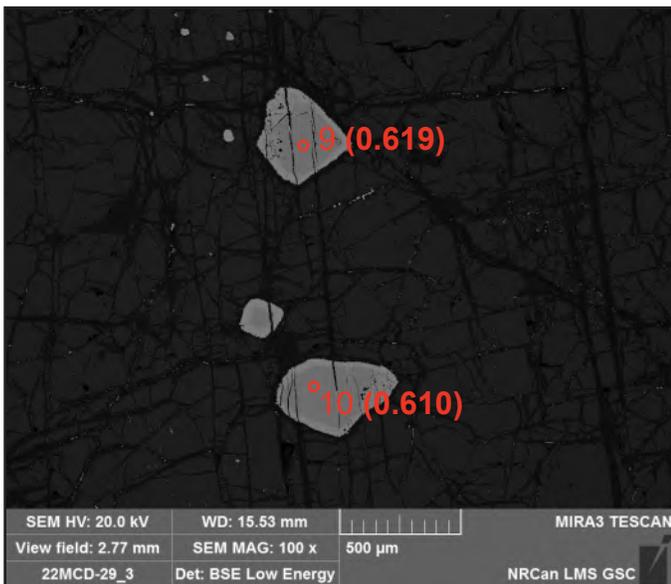
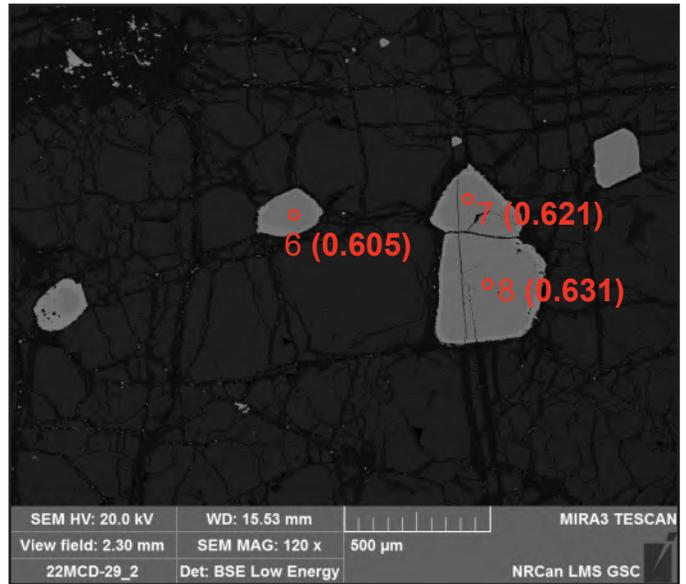
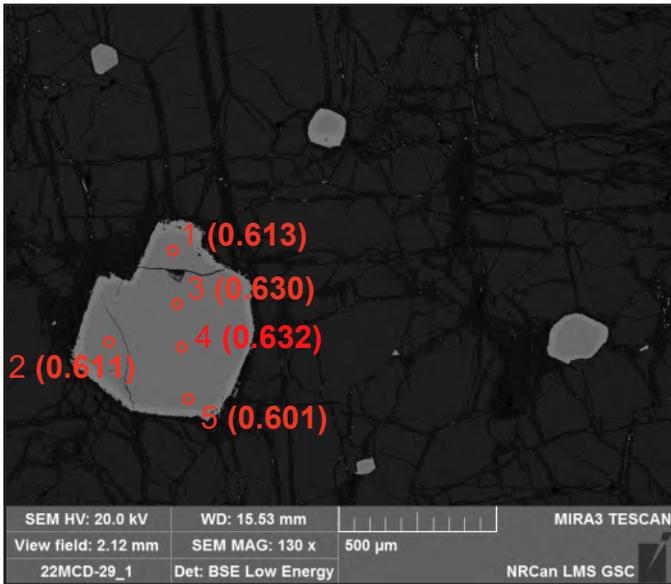


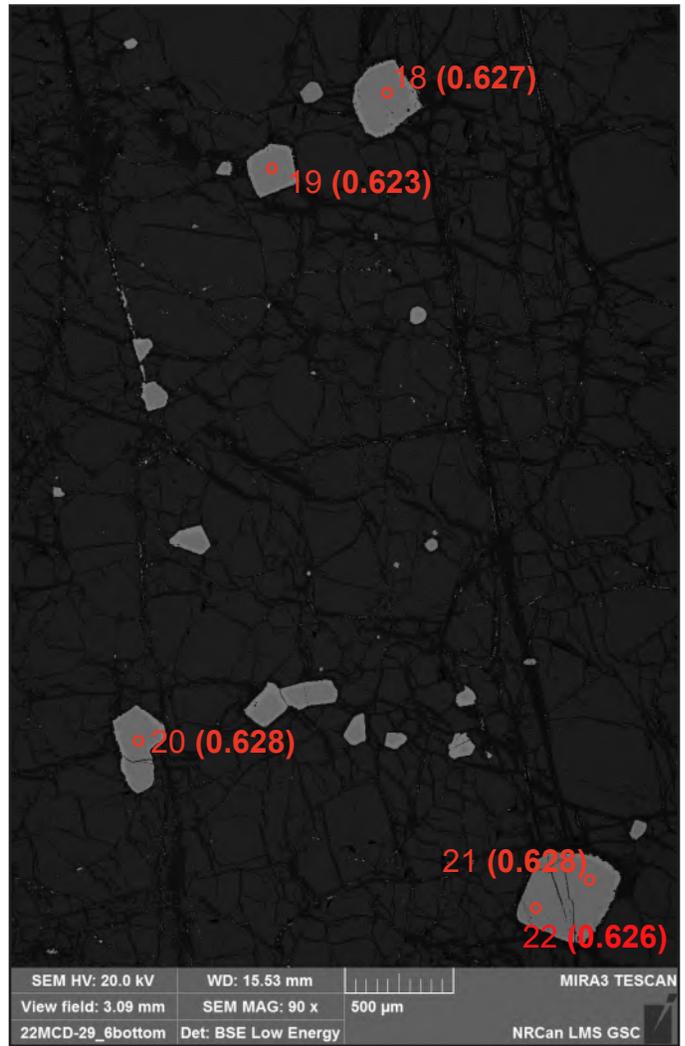
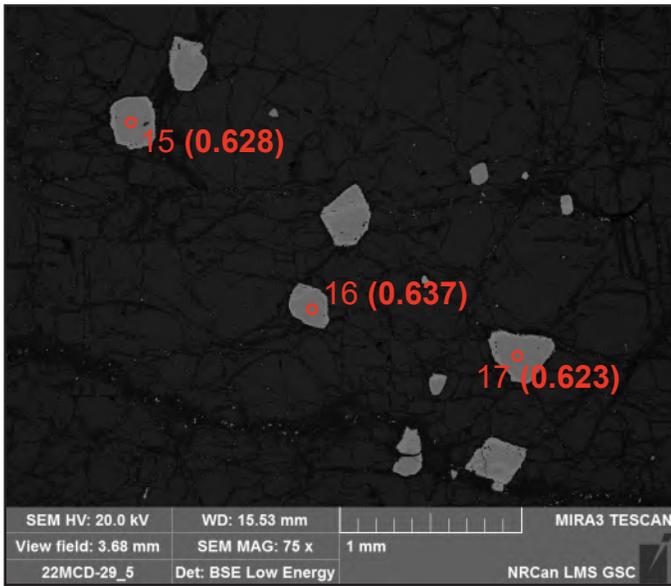




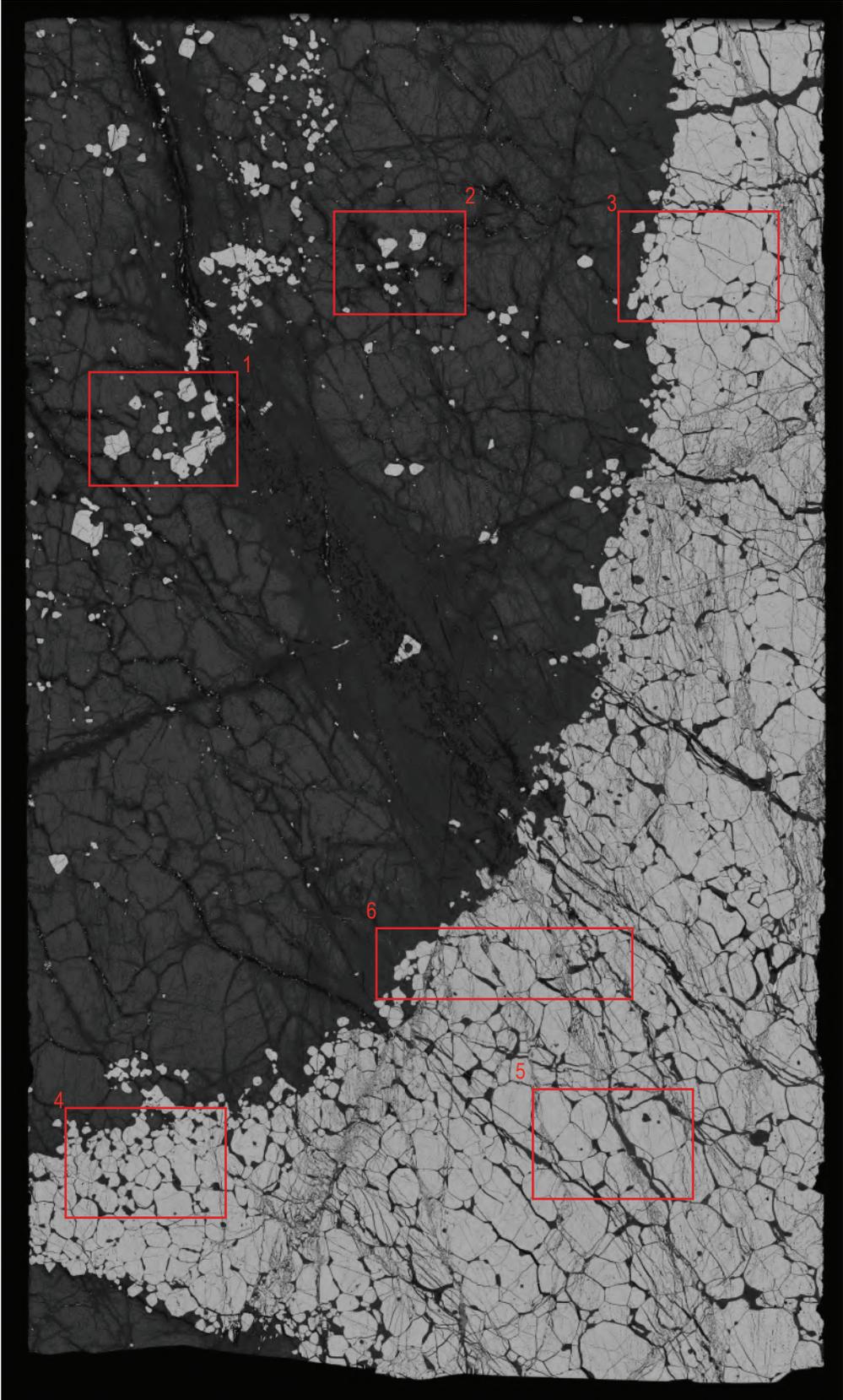


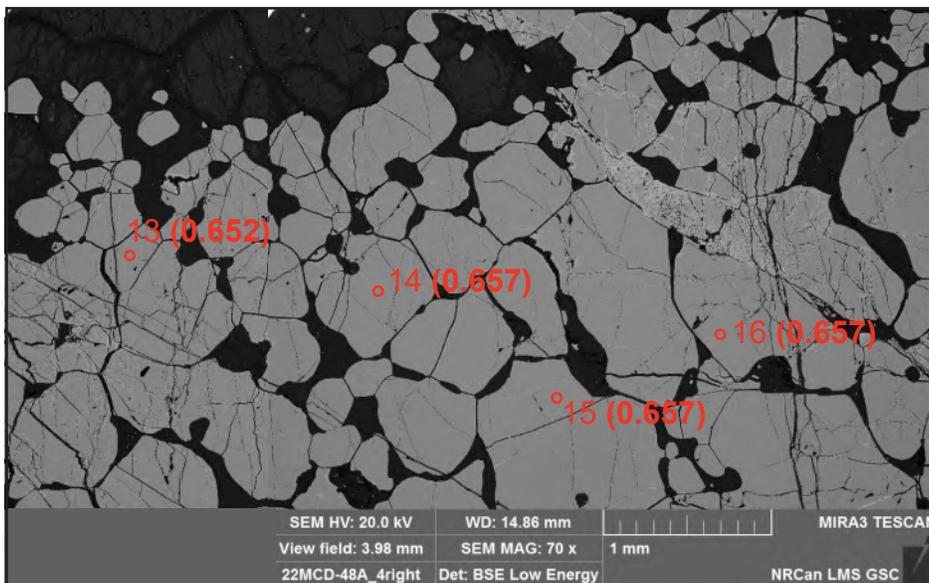
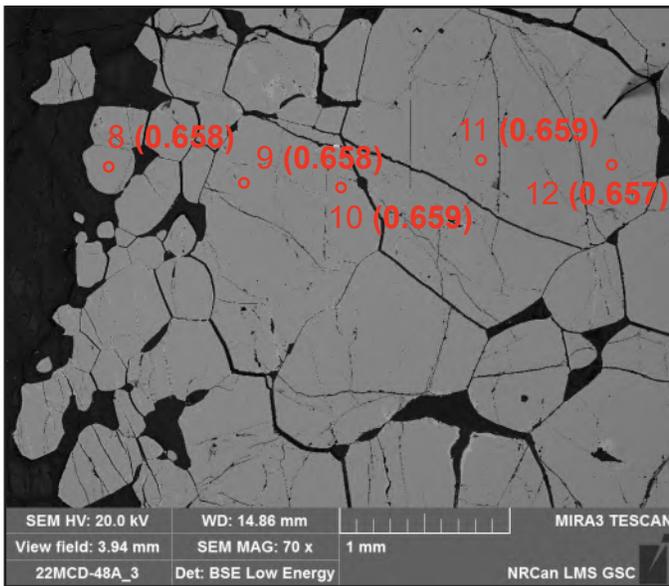
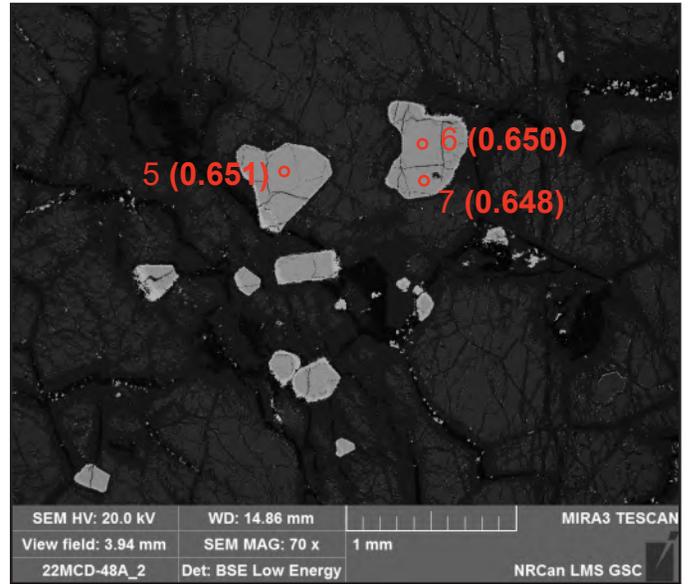
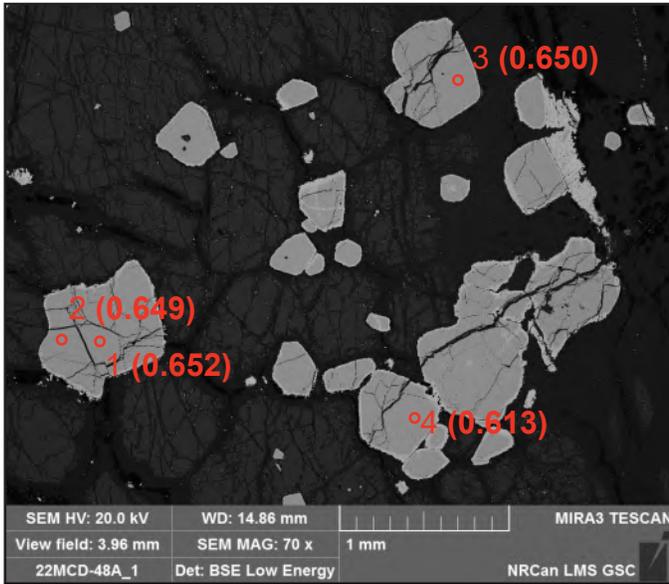


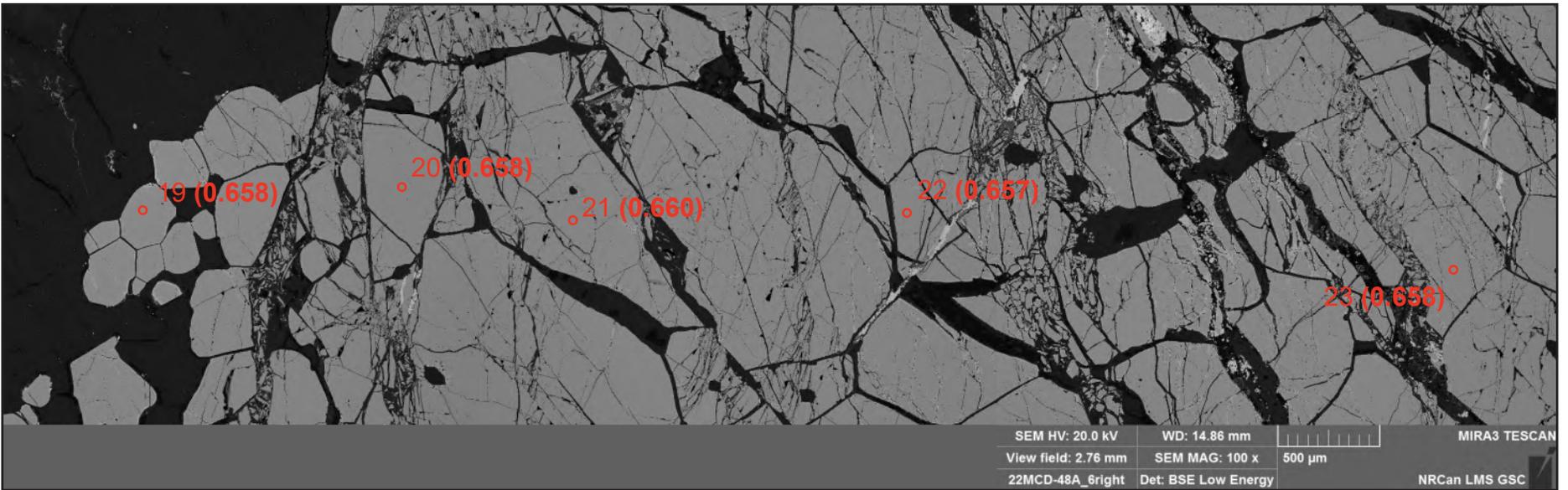
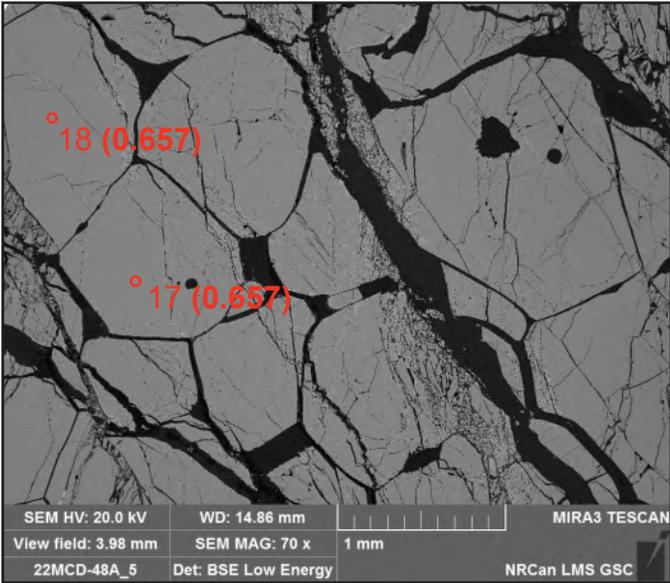


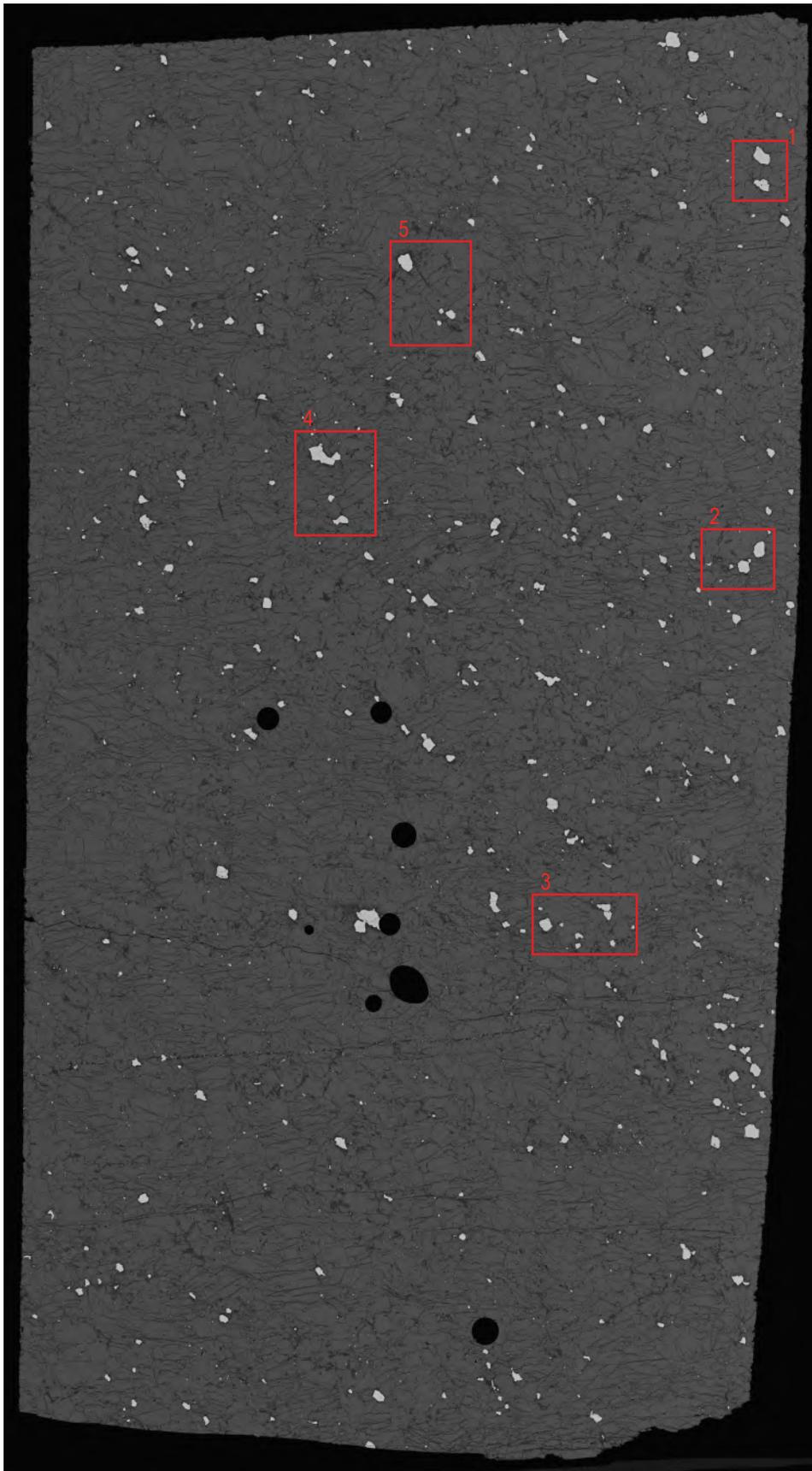


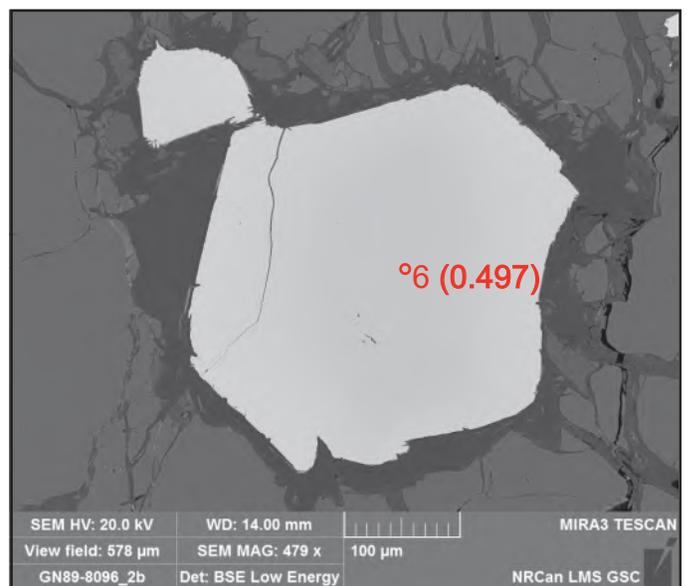
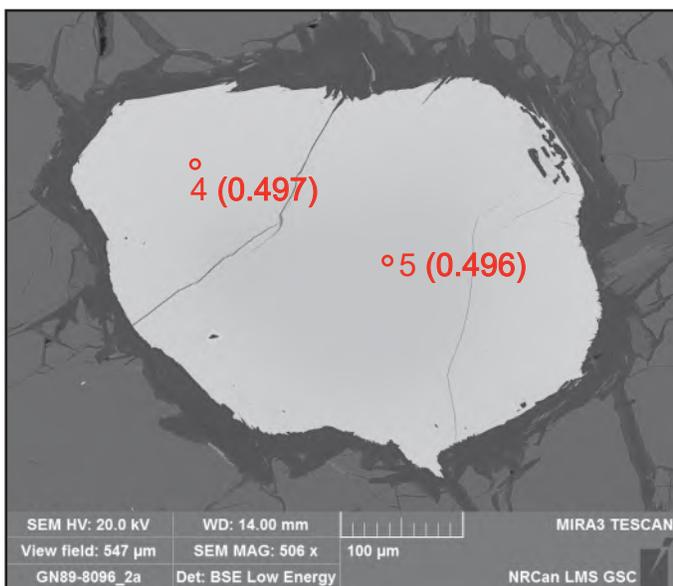
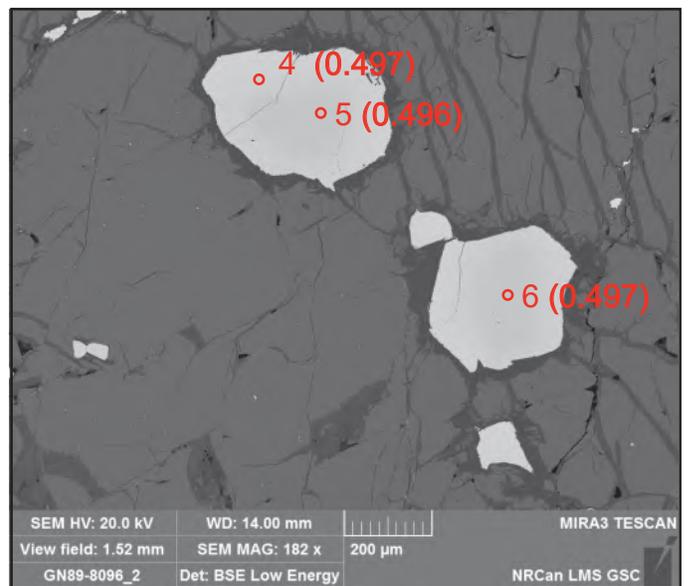
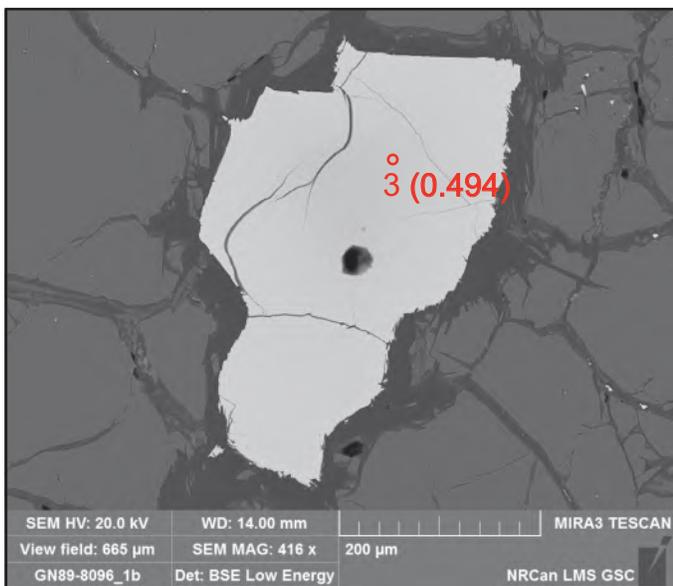
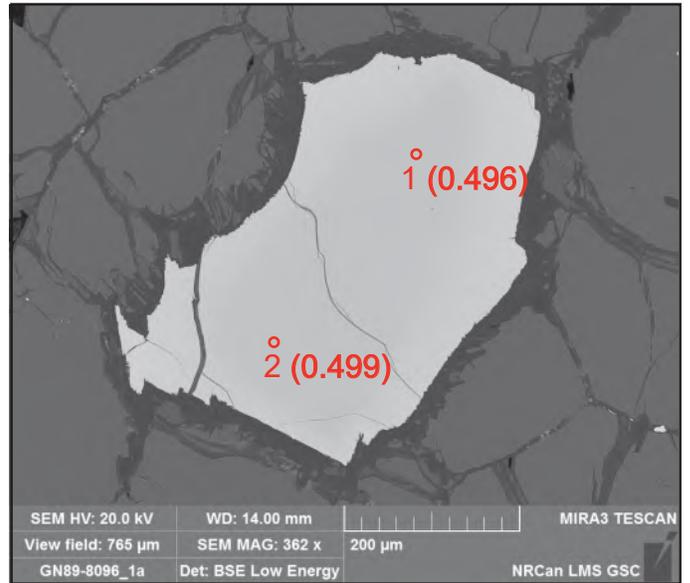
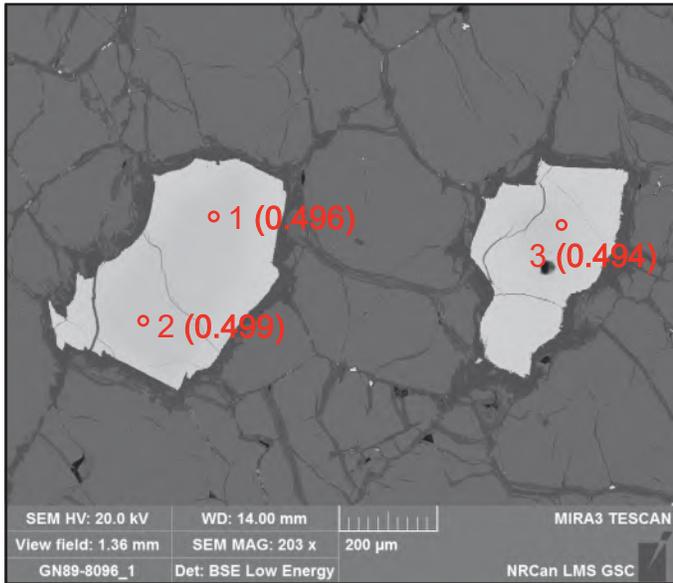
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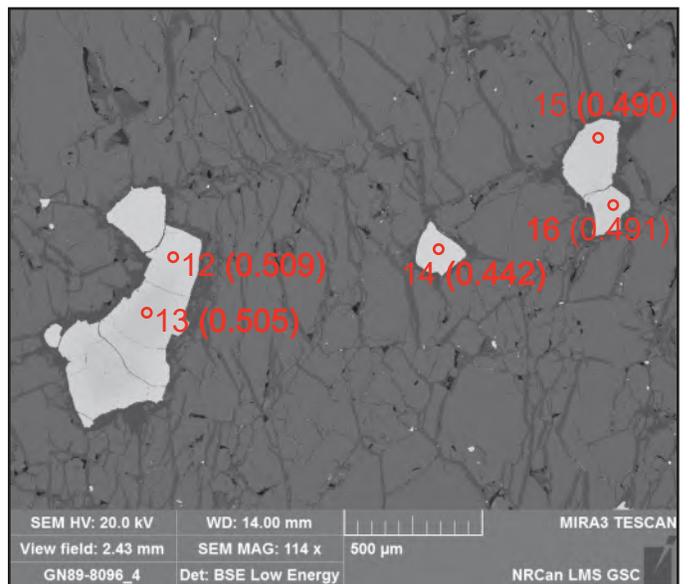
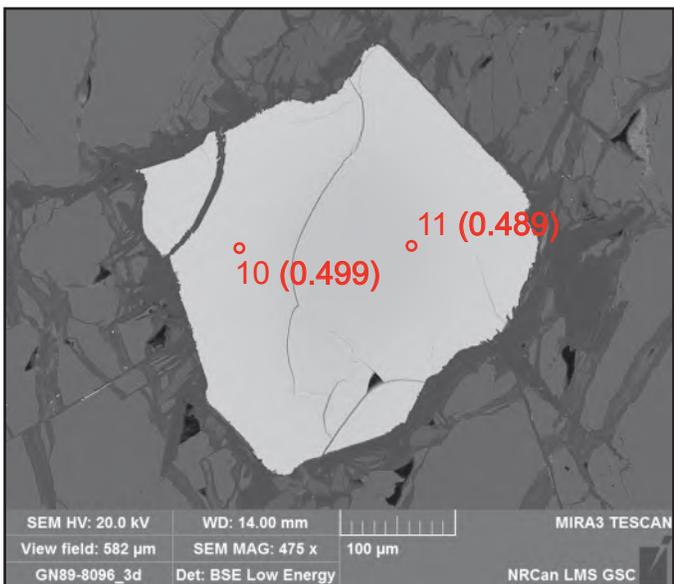
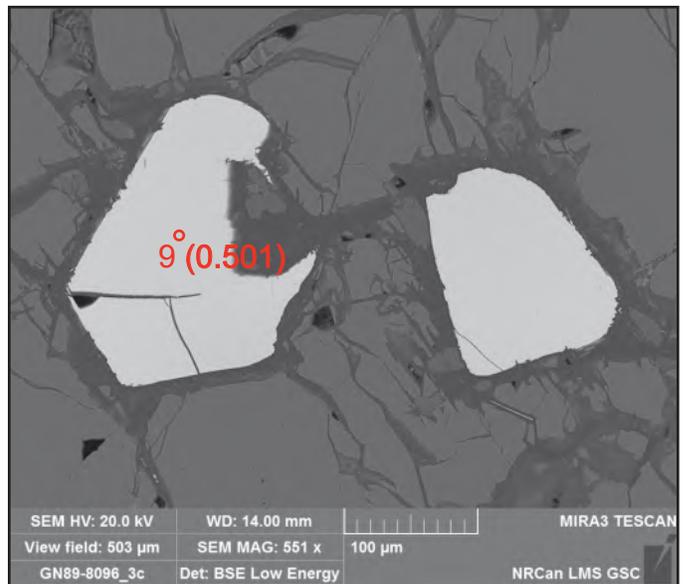
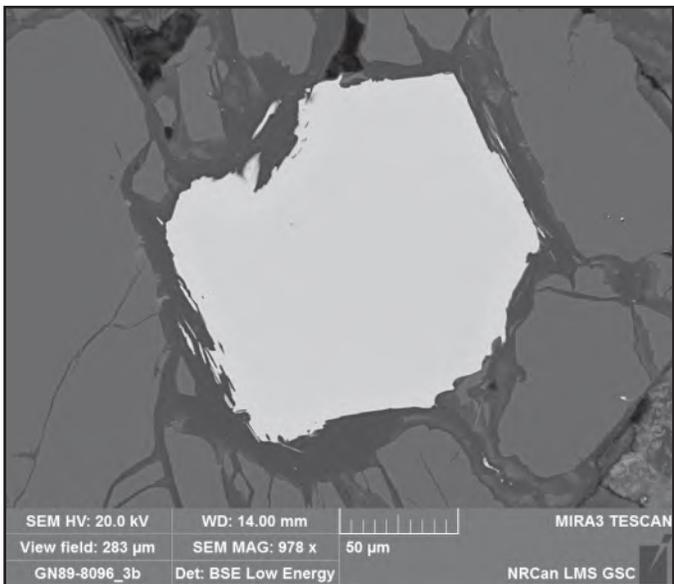
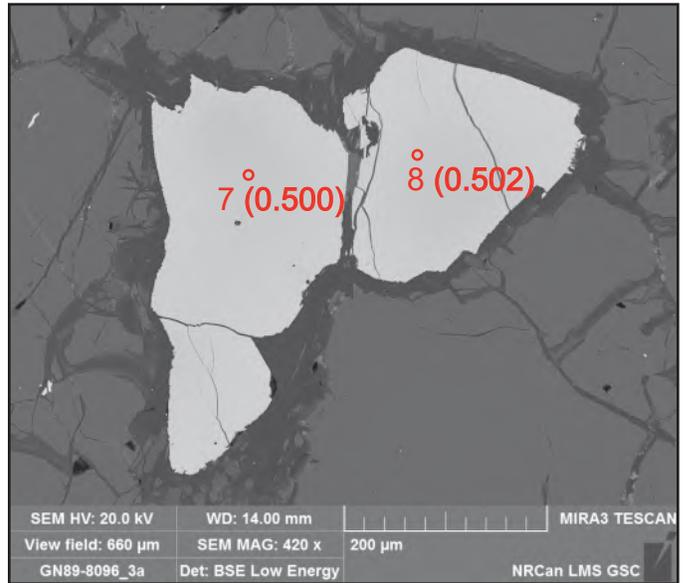
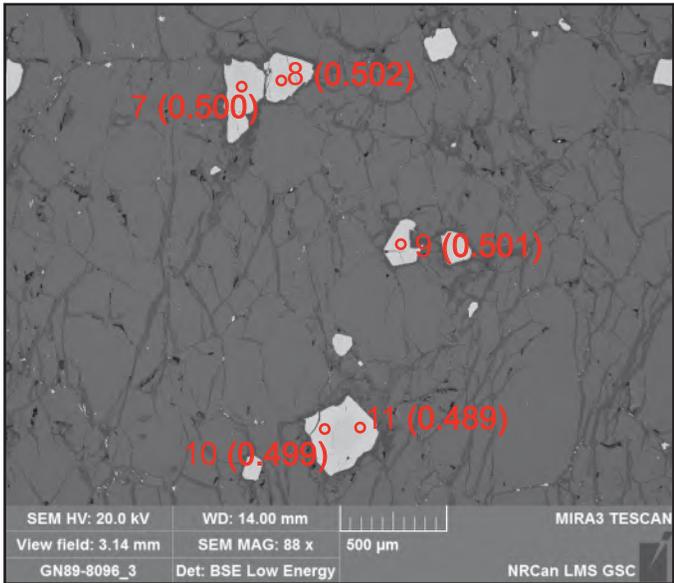


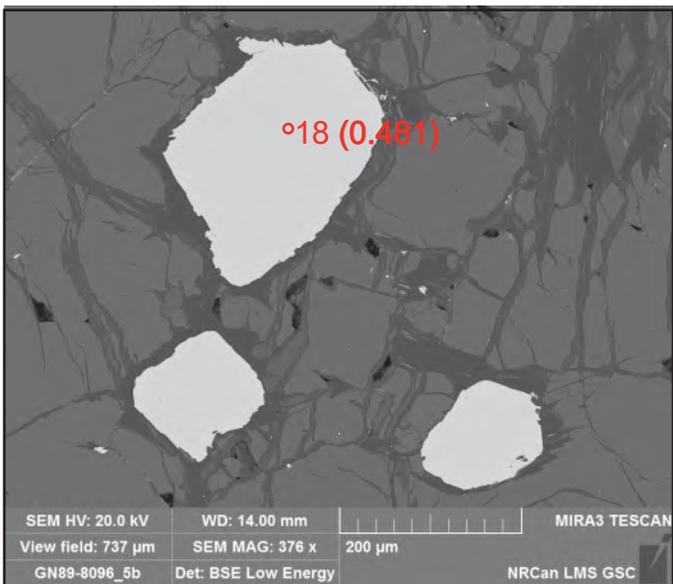
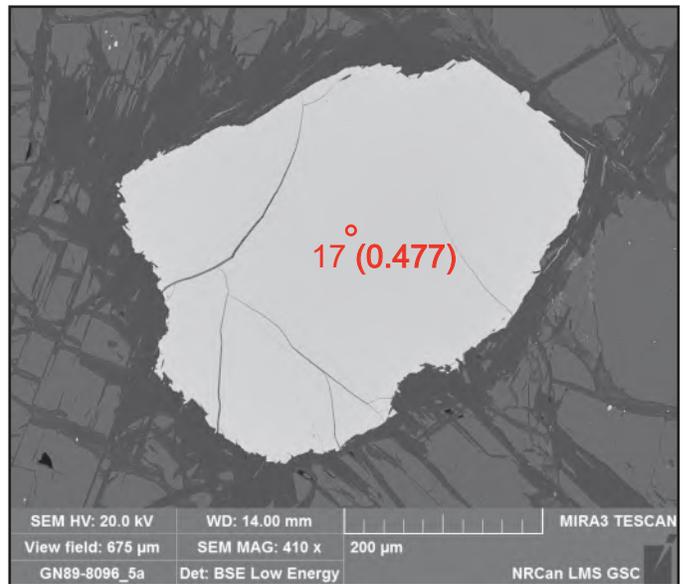
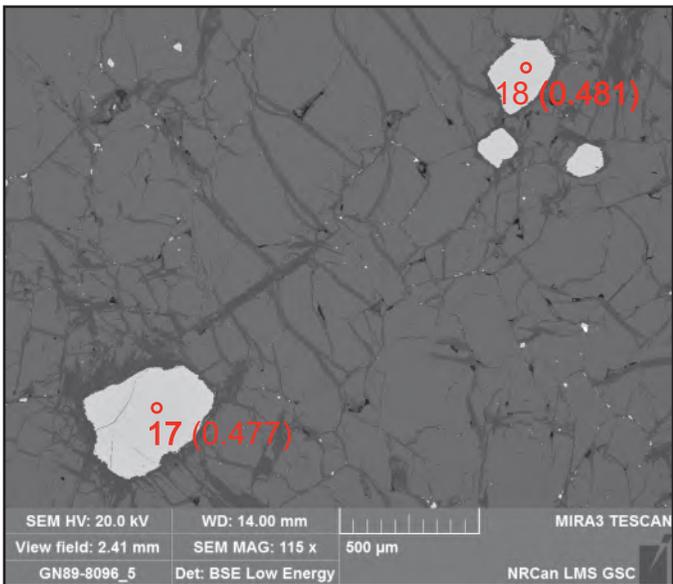
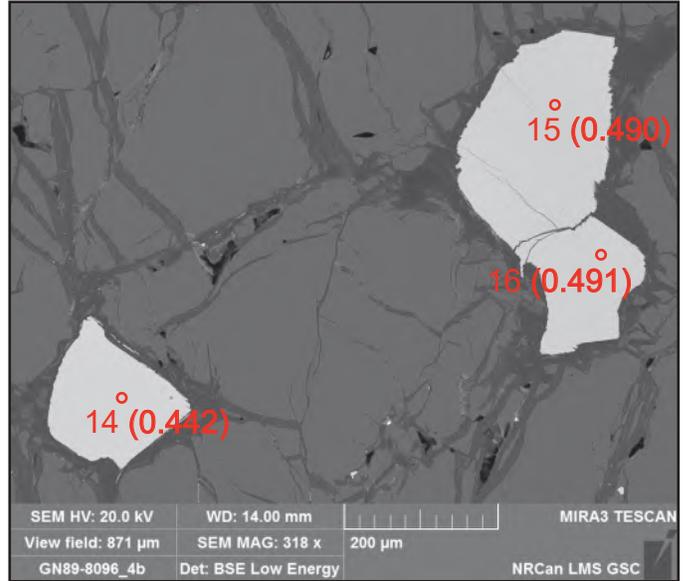
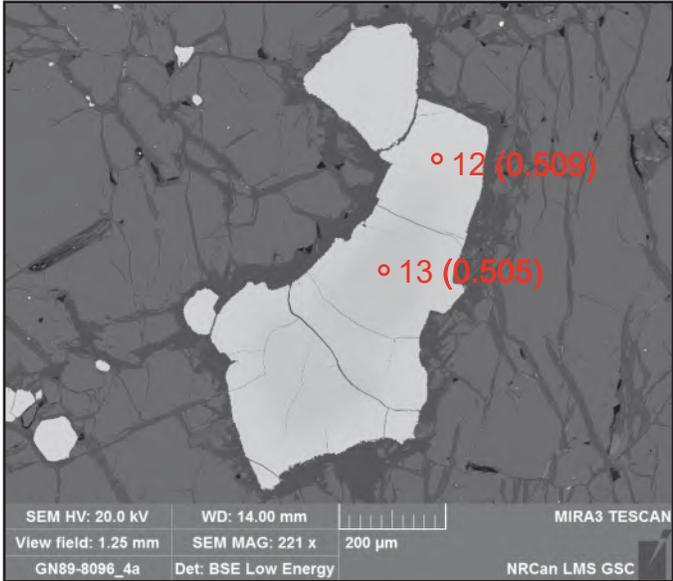


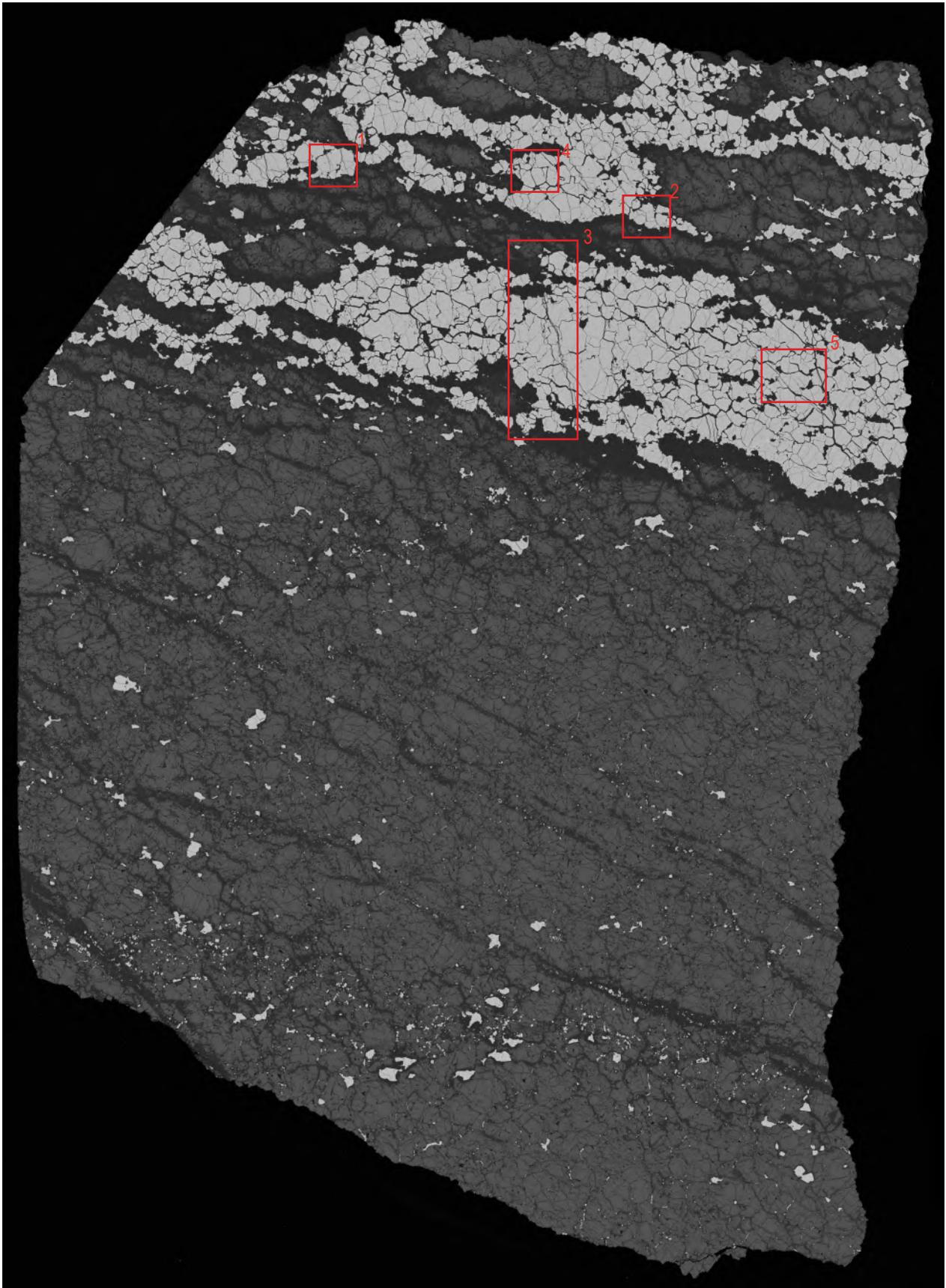


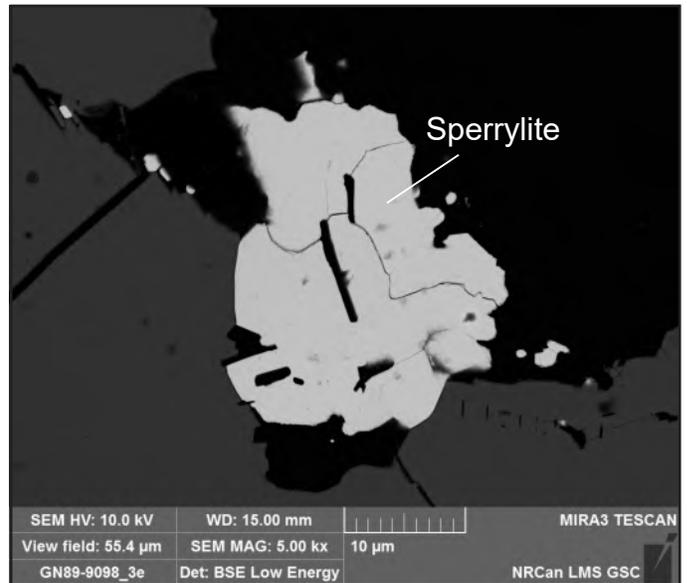
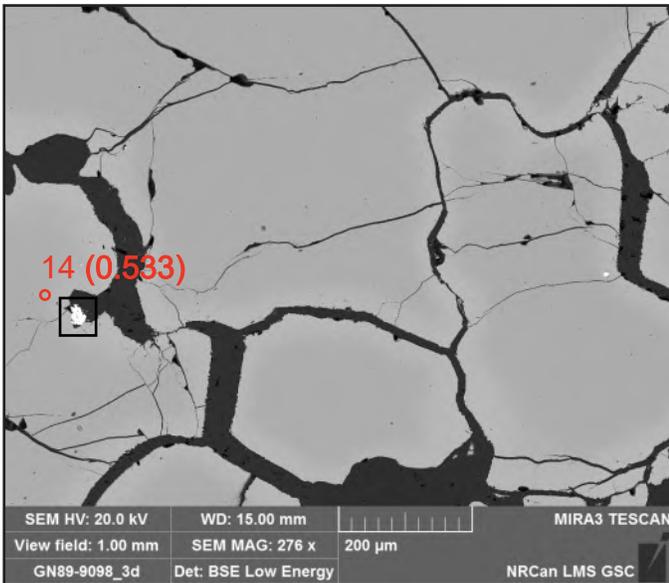
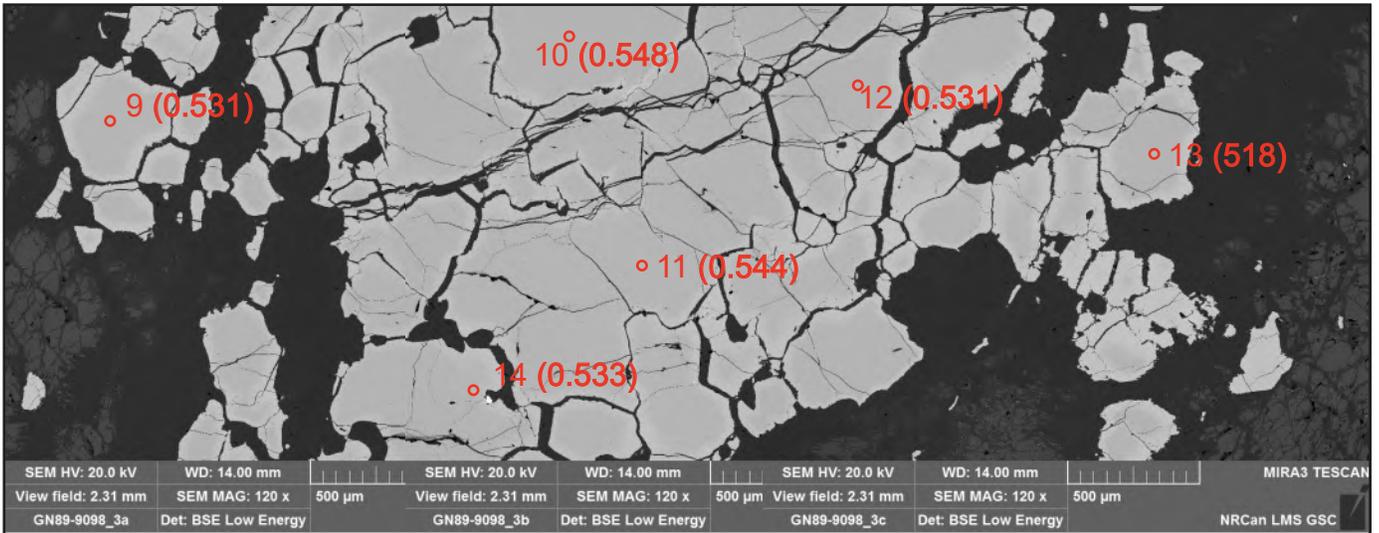
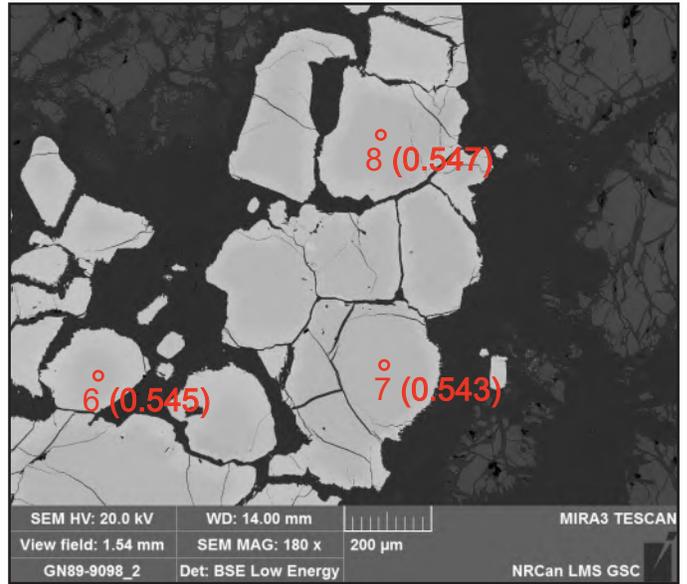
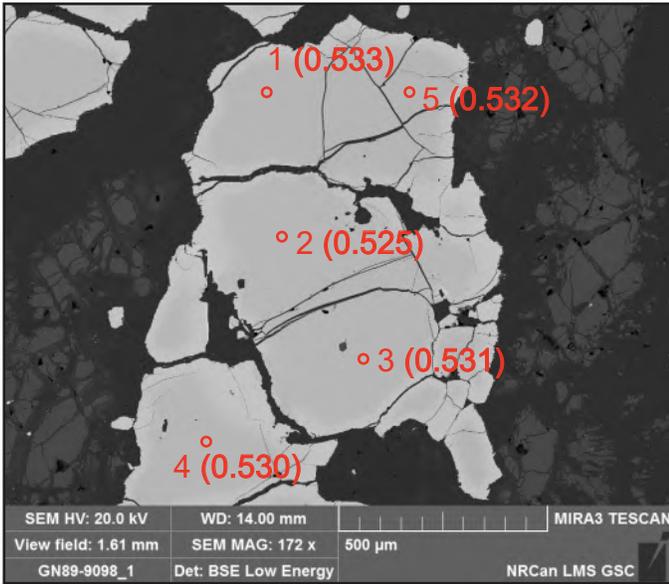


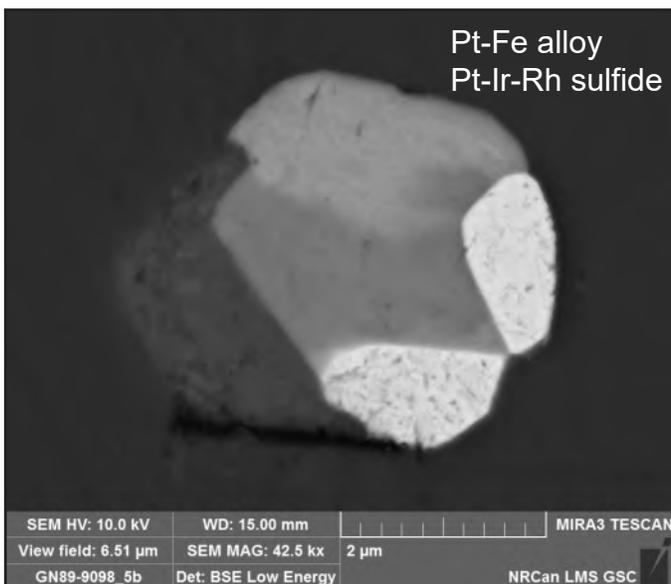
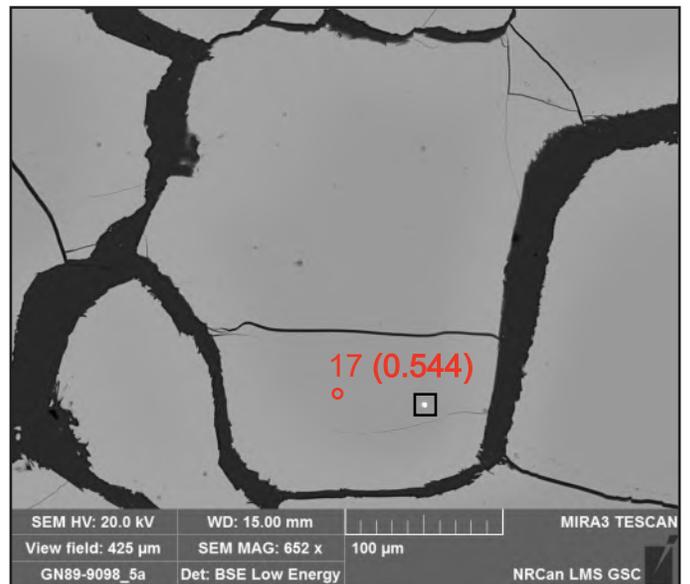
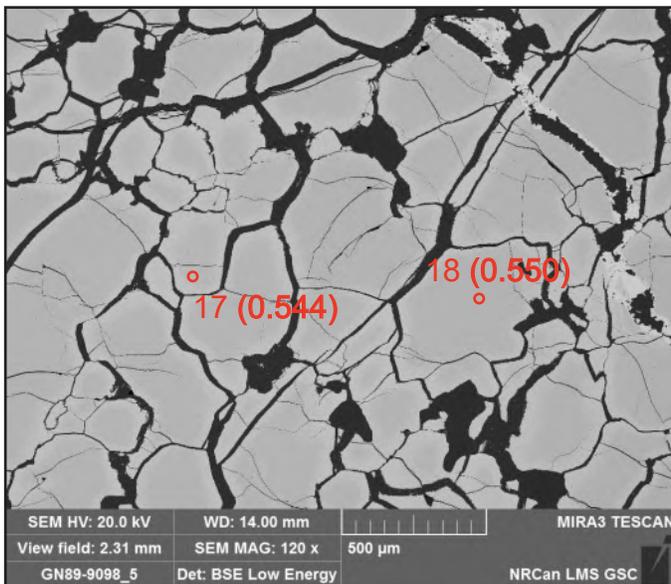
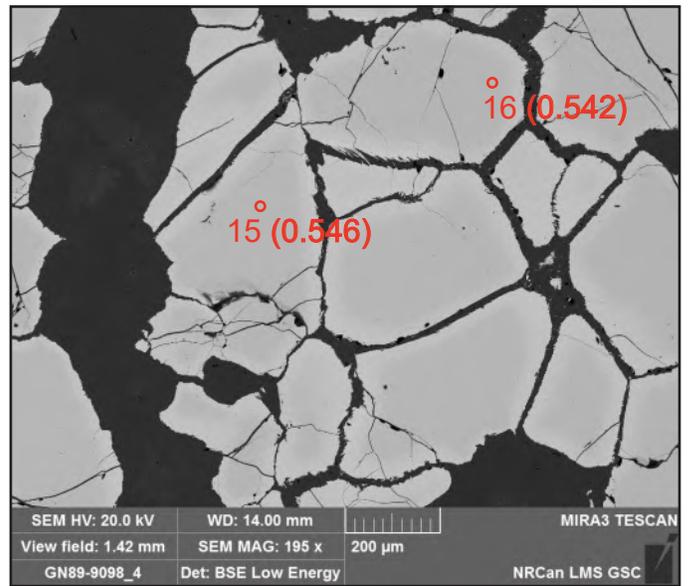
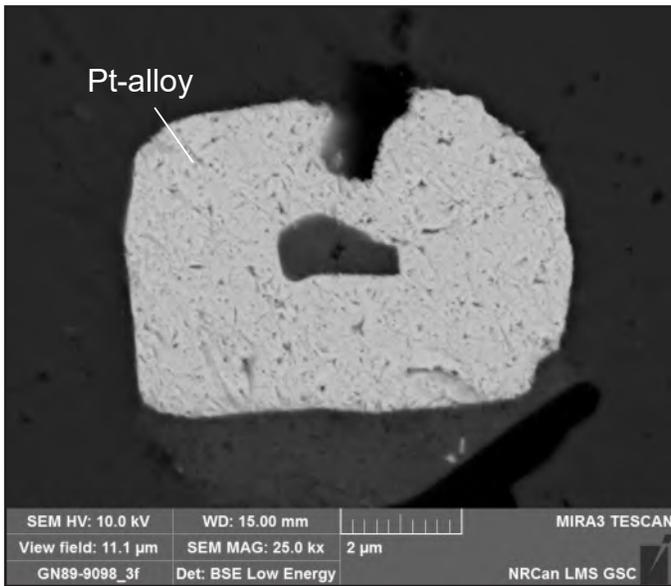




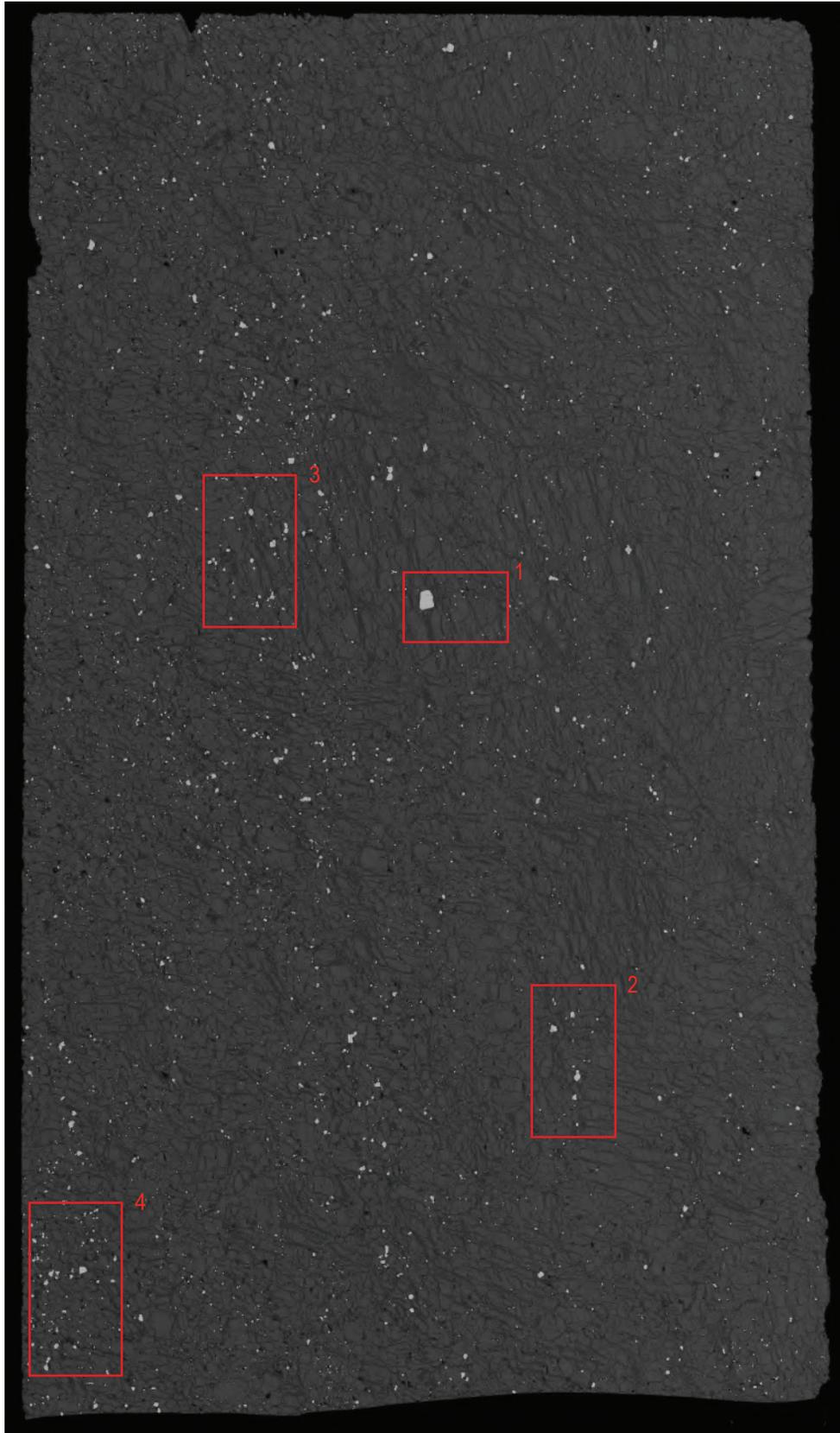


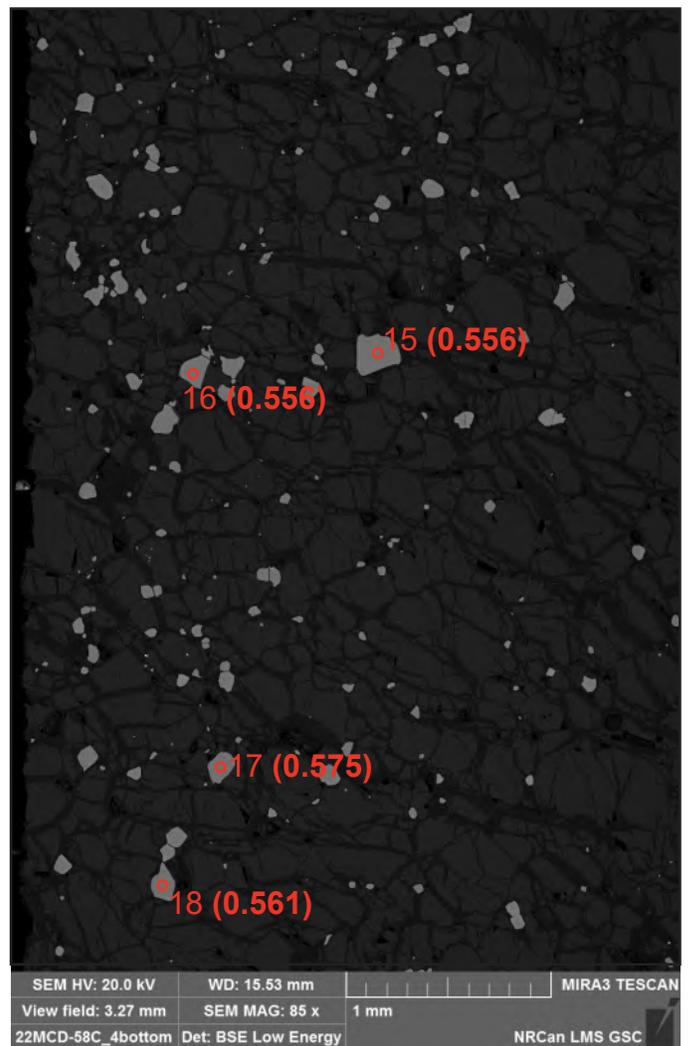
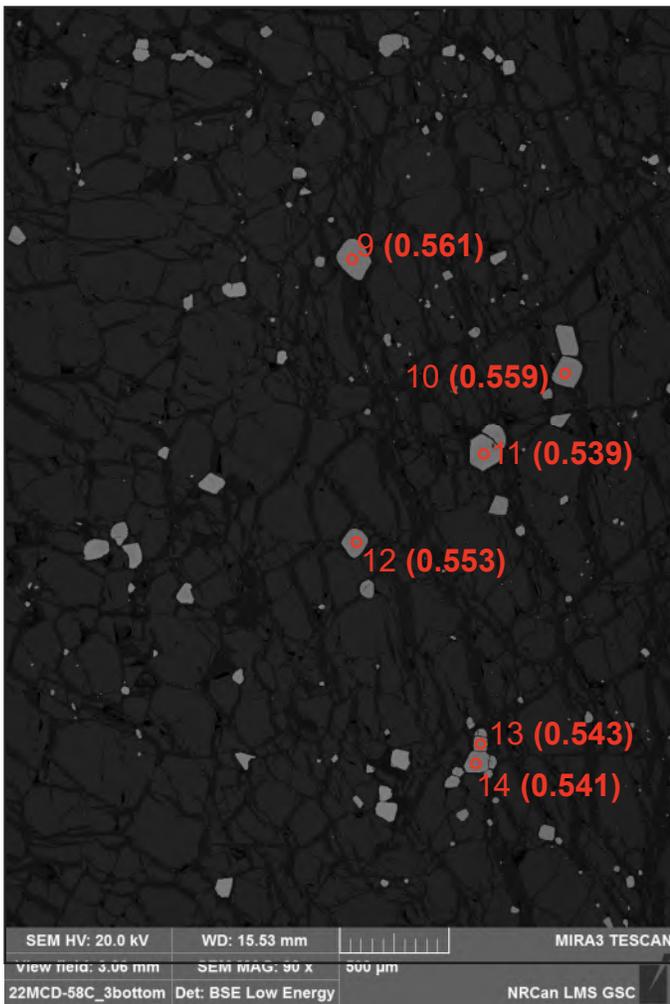
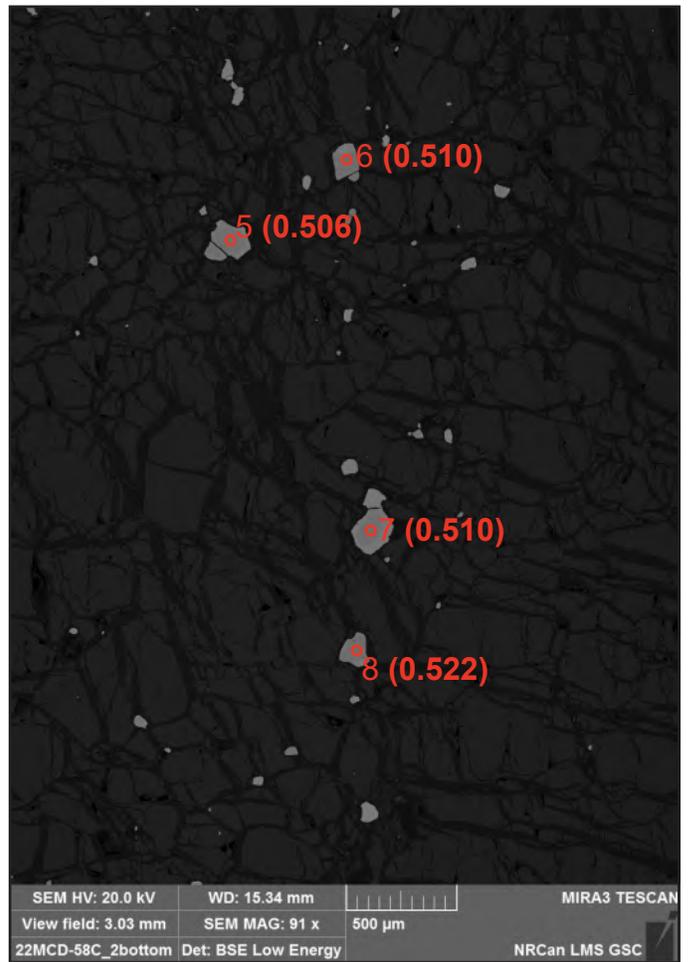


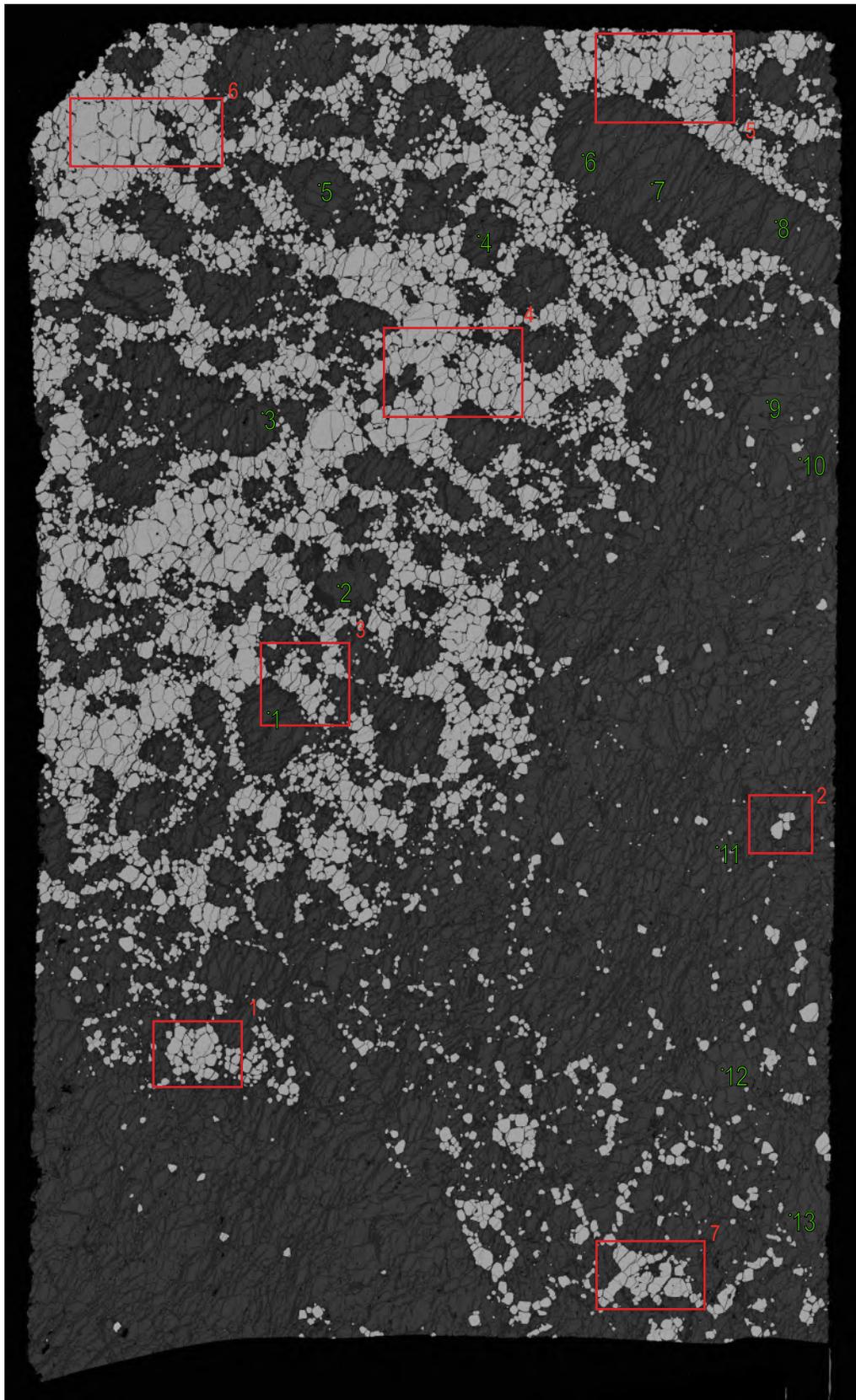


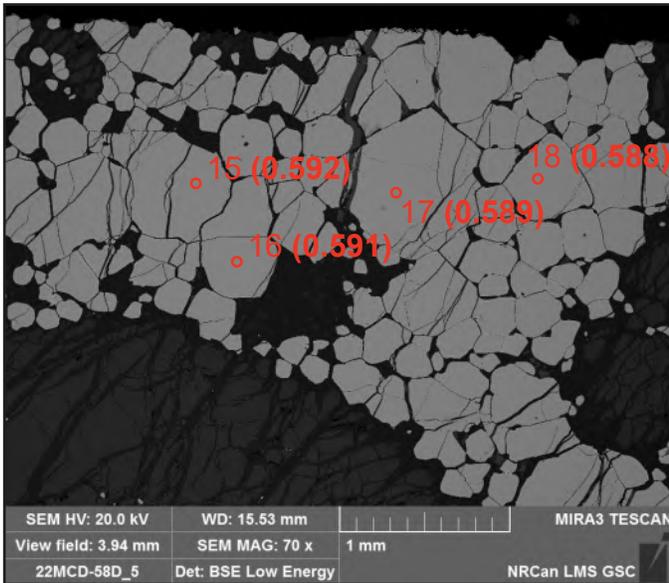
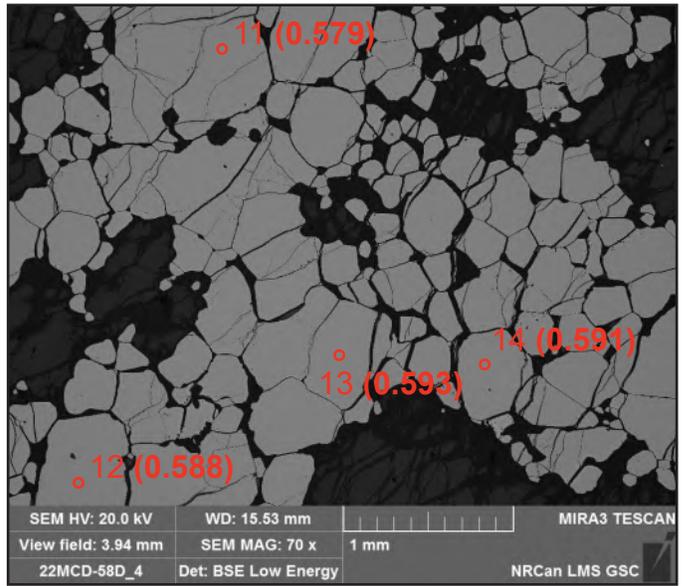
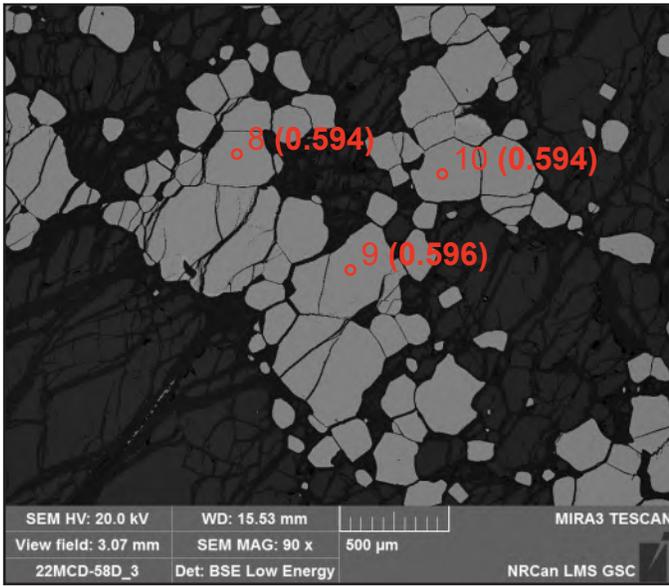
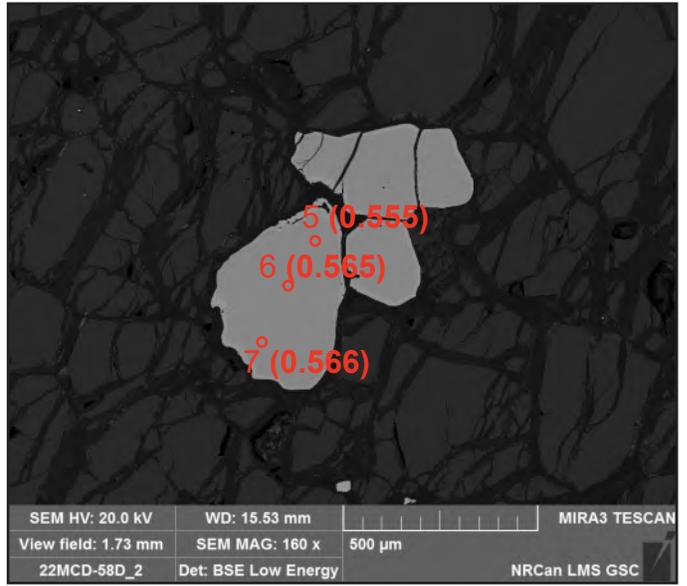
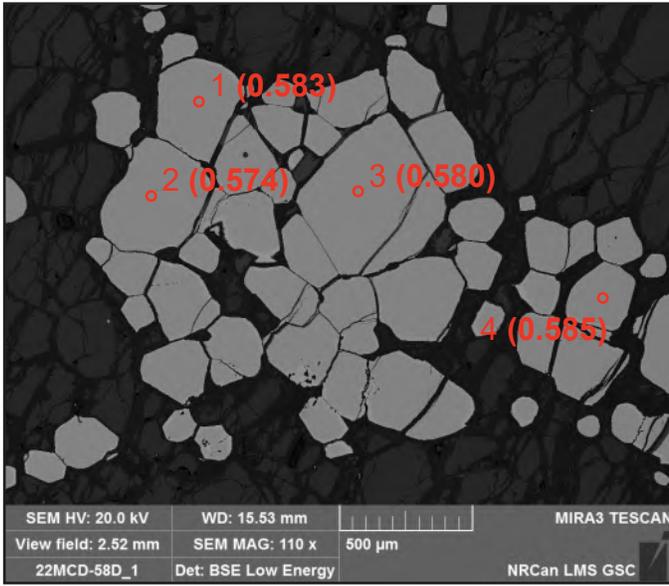


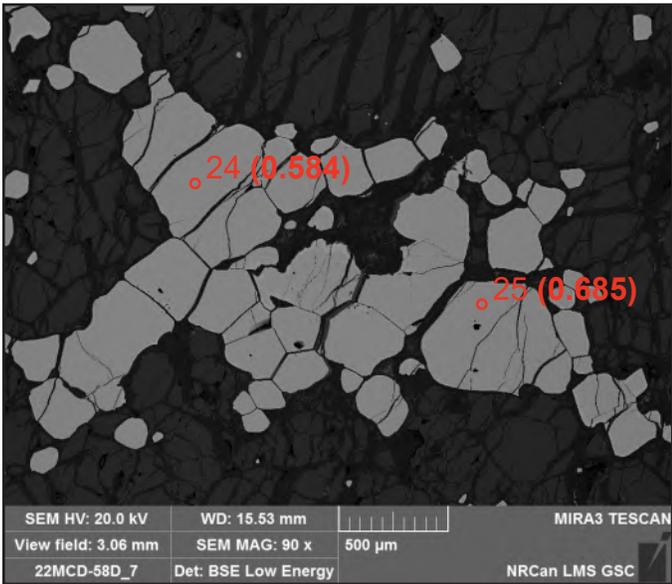
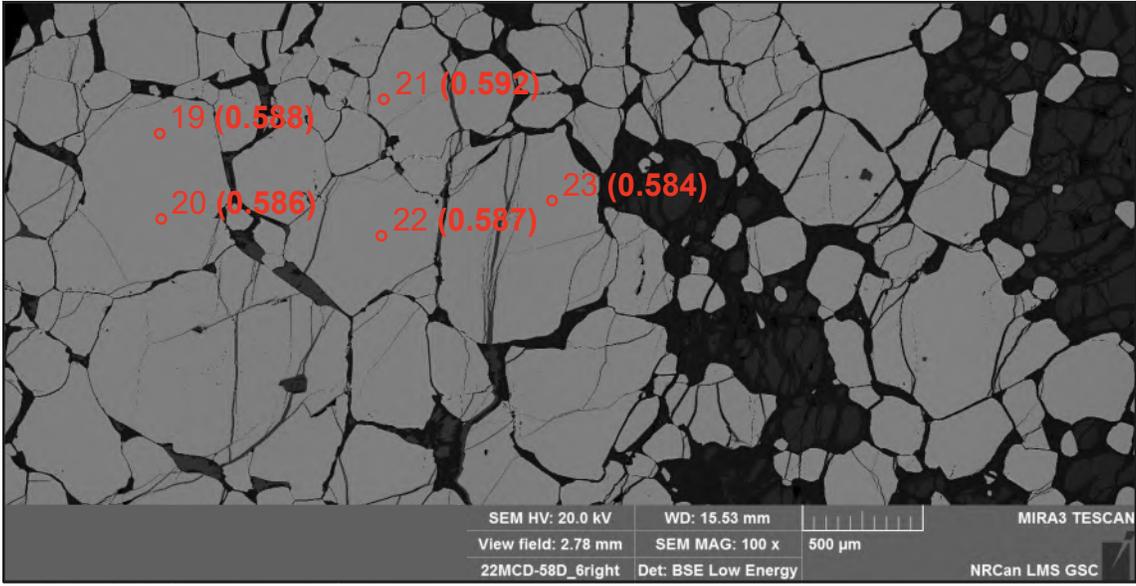
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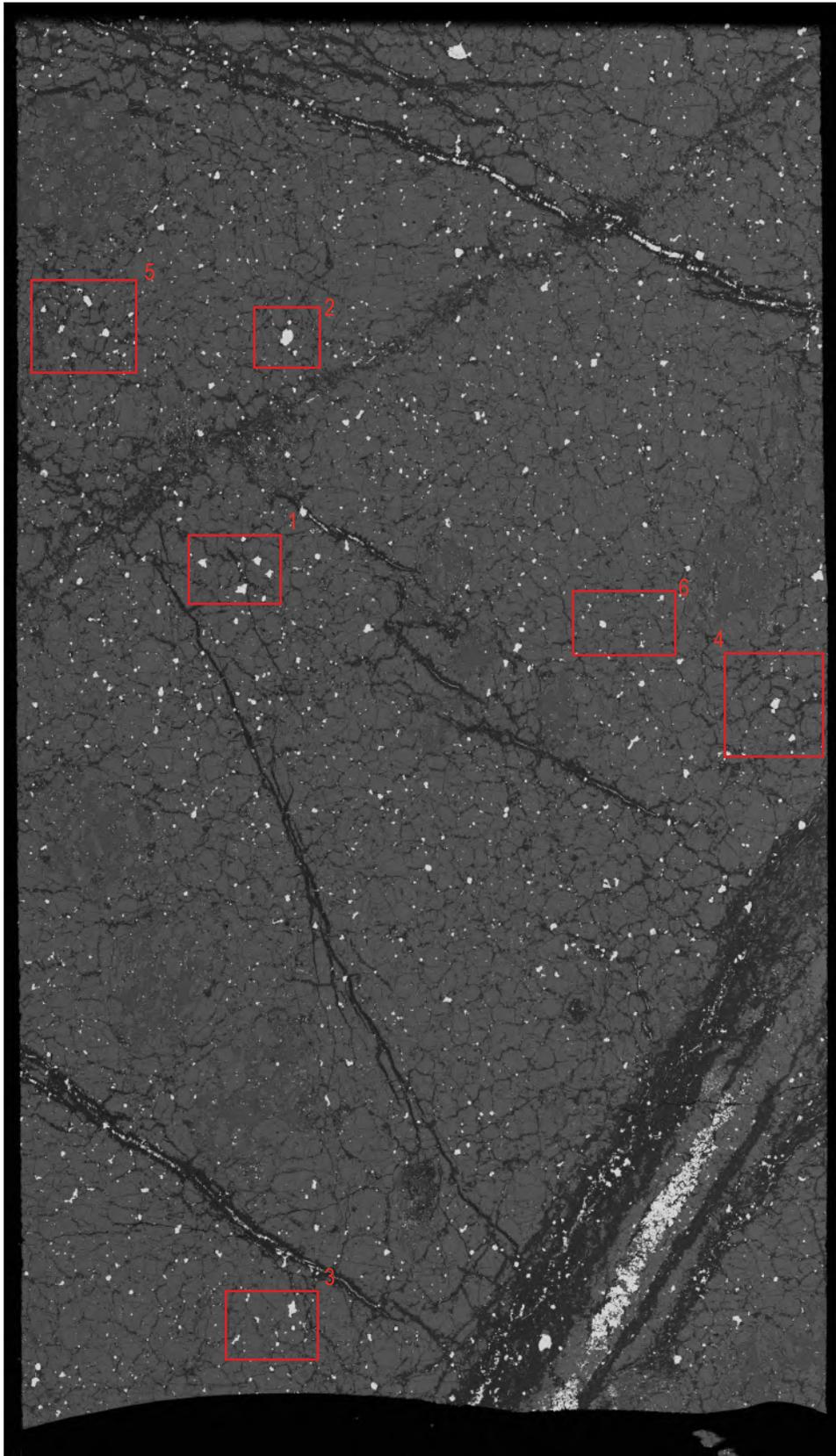


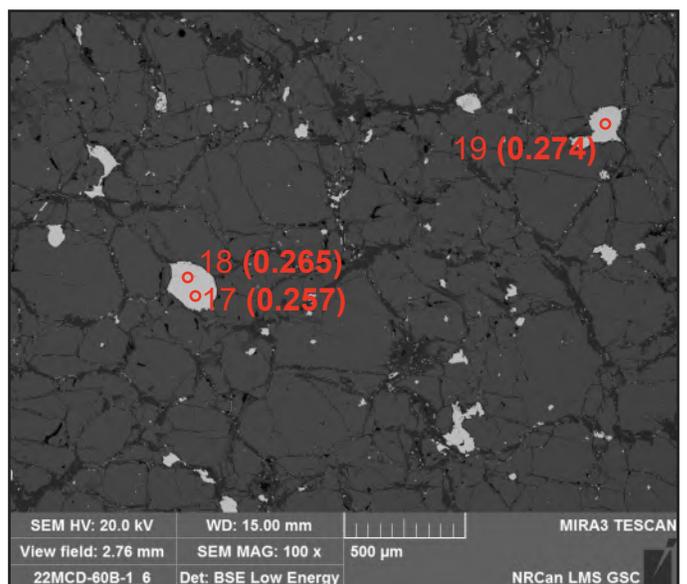
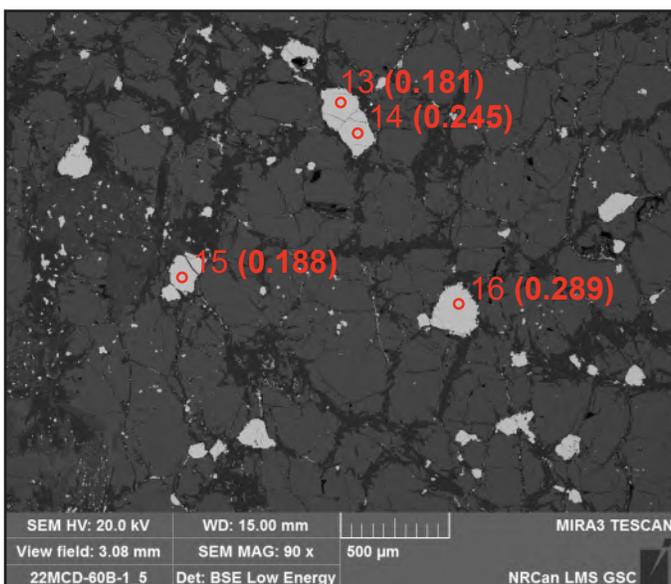
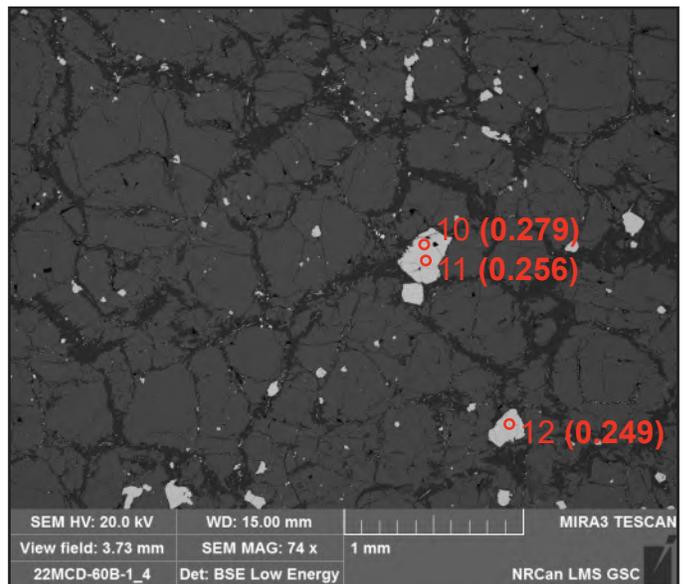
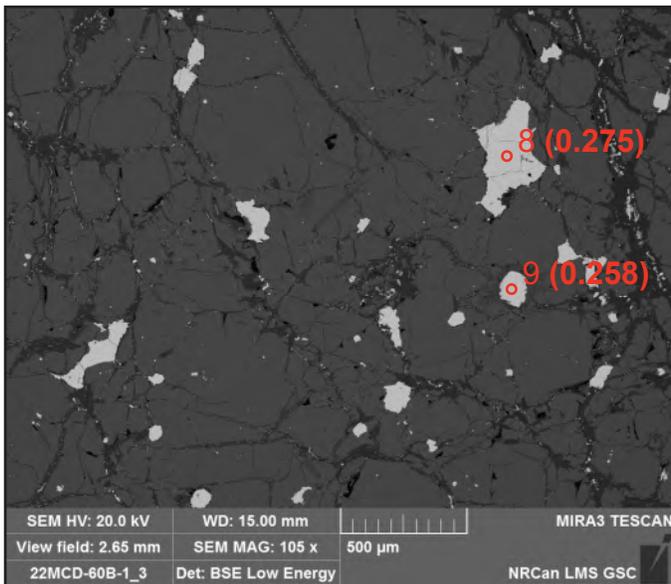
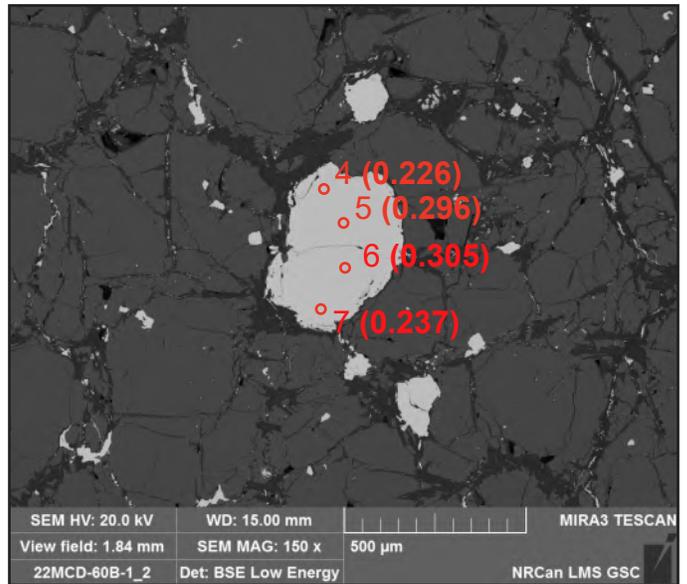
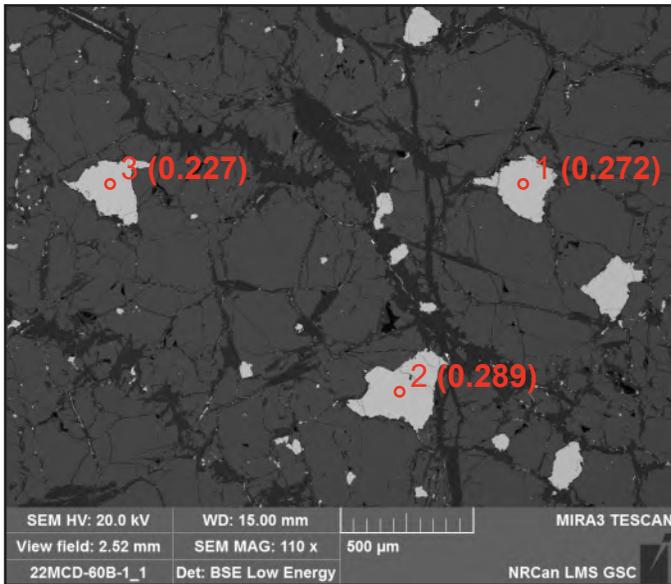


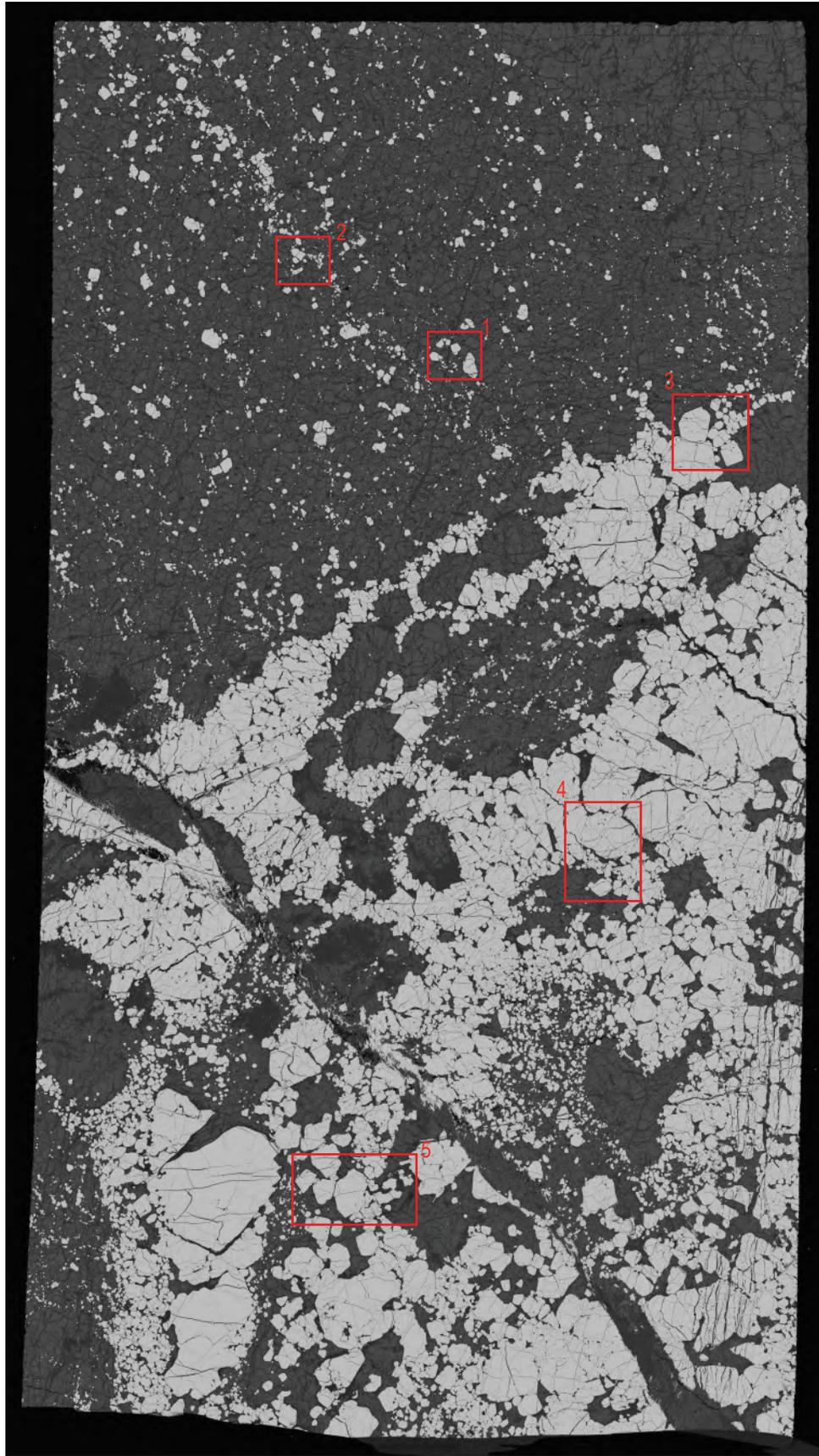


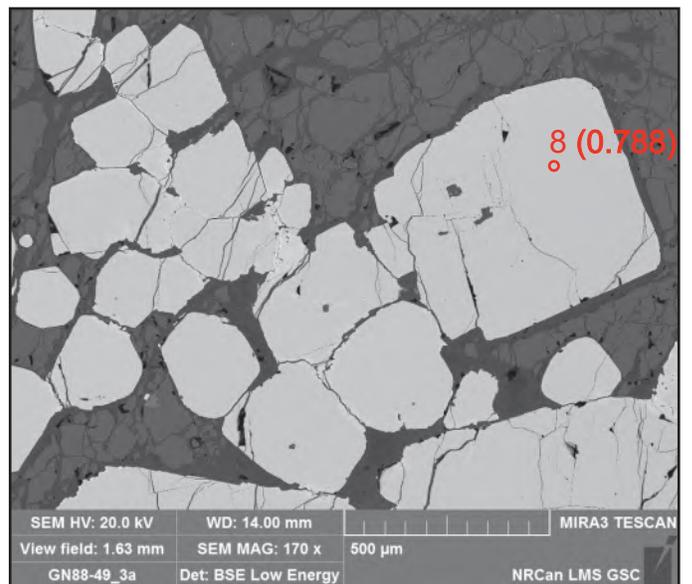
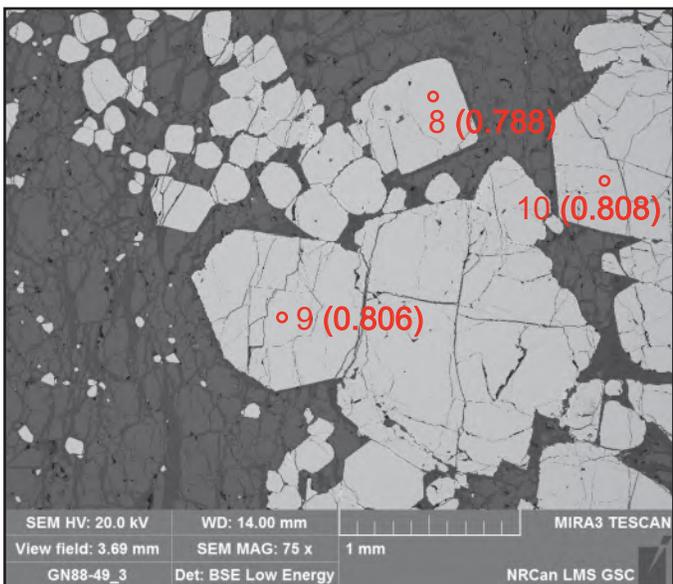
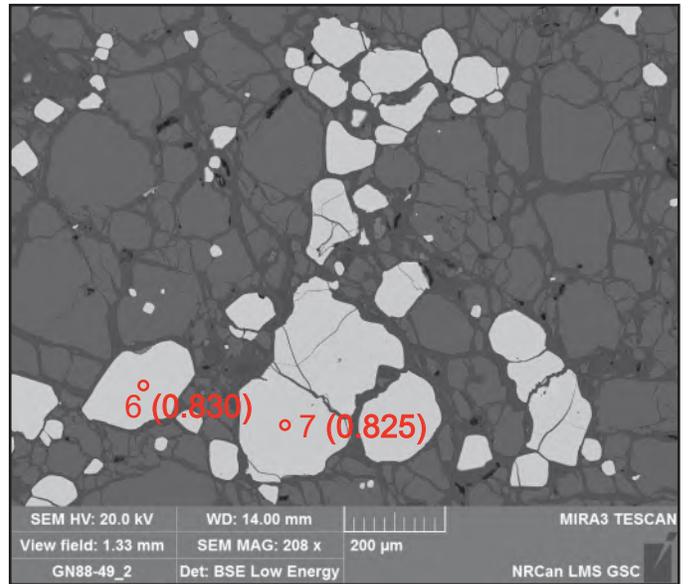
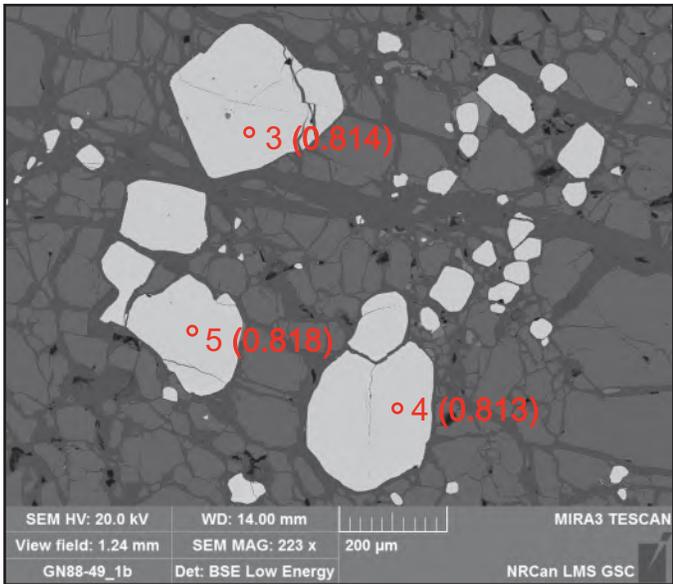
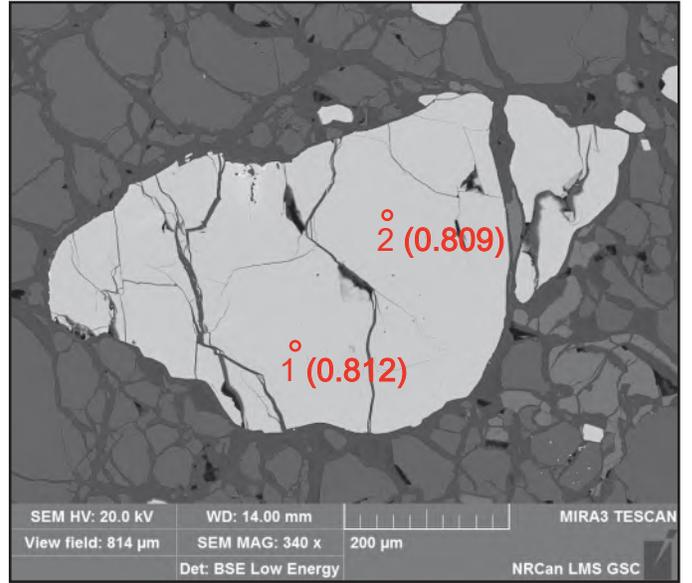
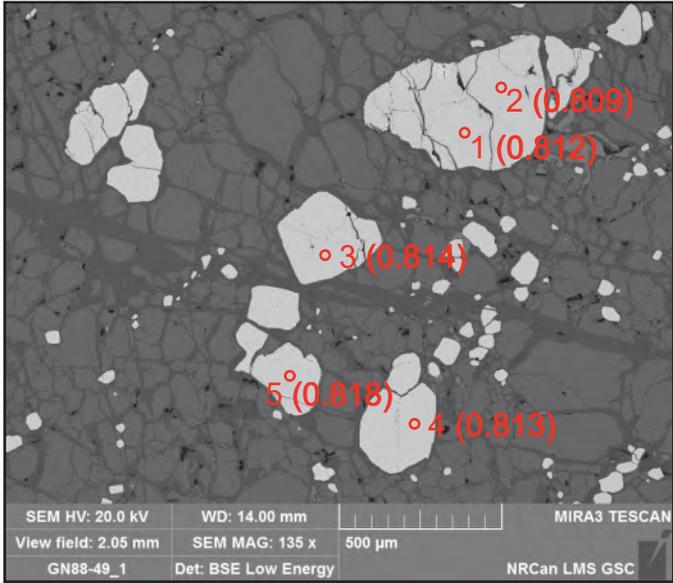


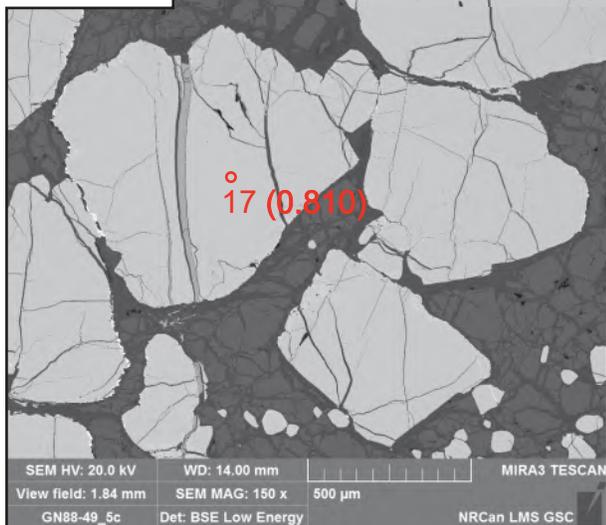
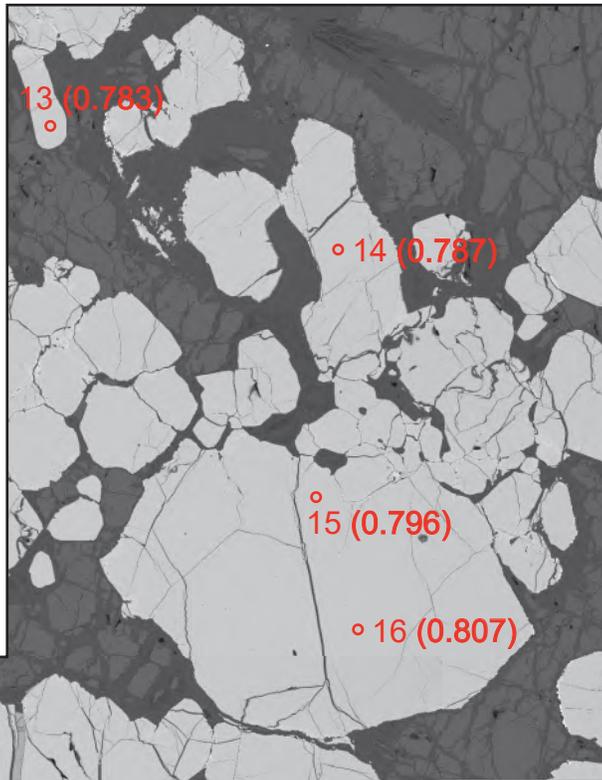
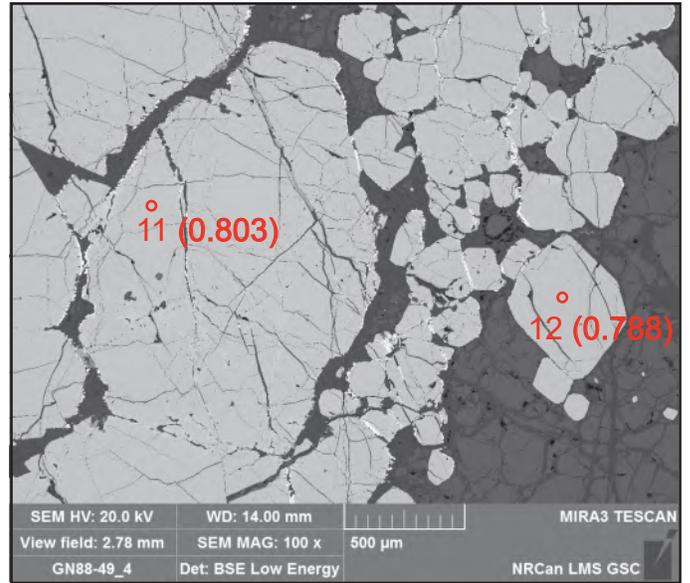
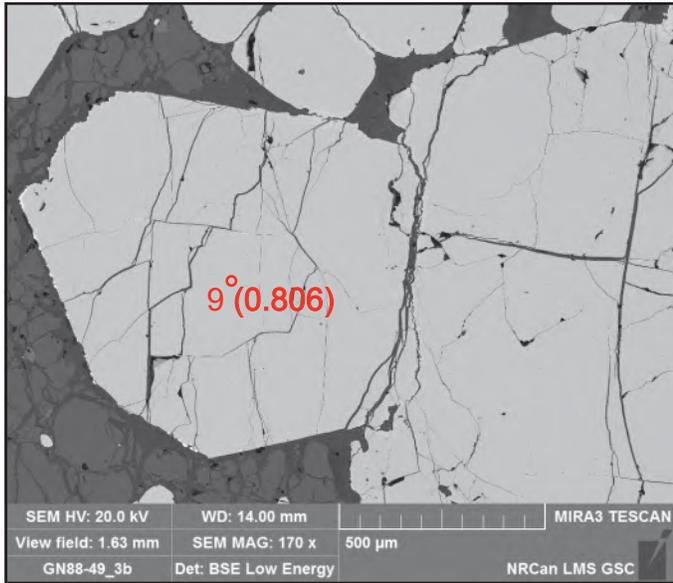
22MCD-60B



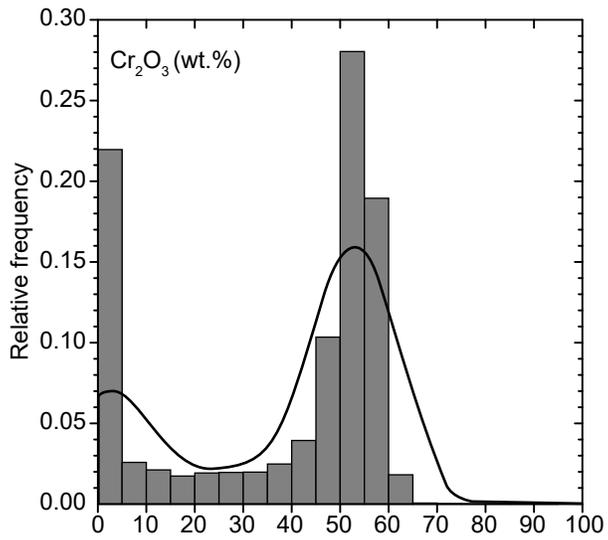




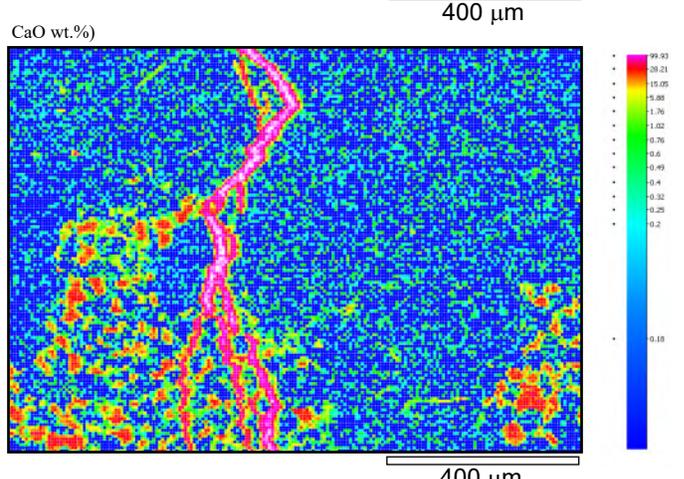
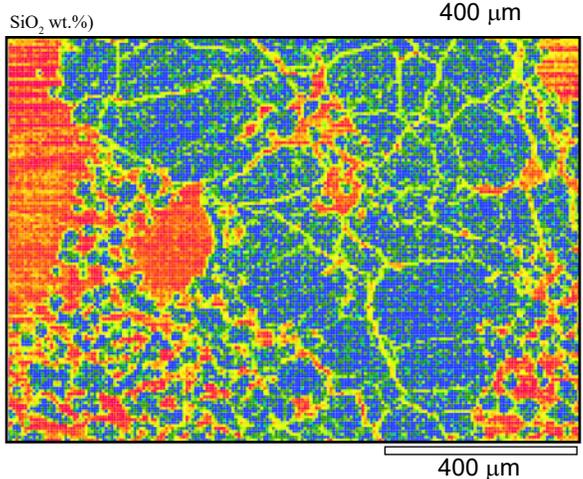
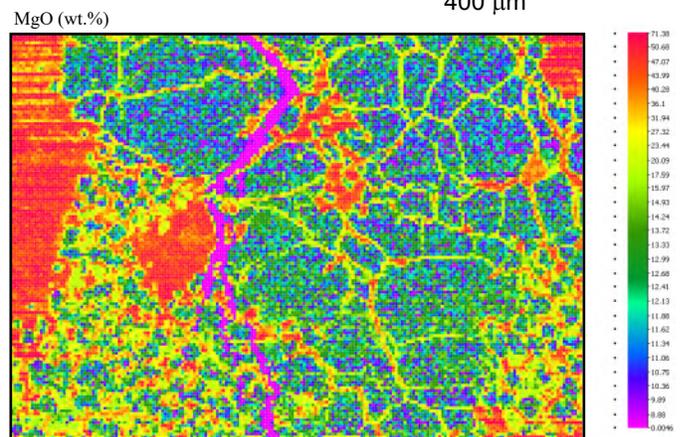
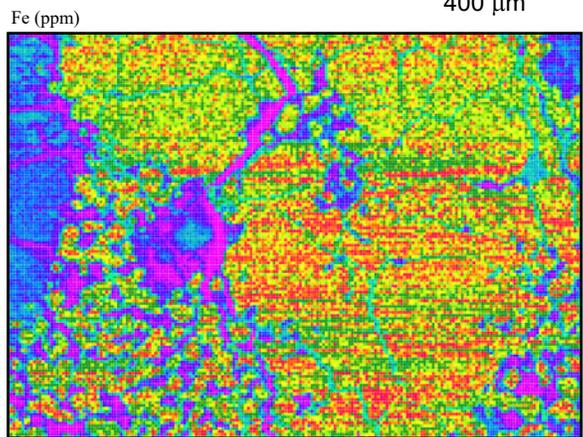
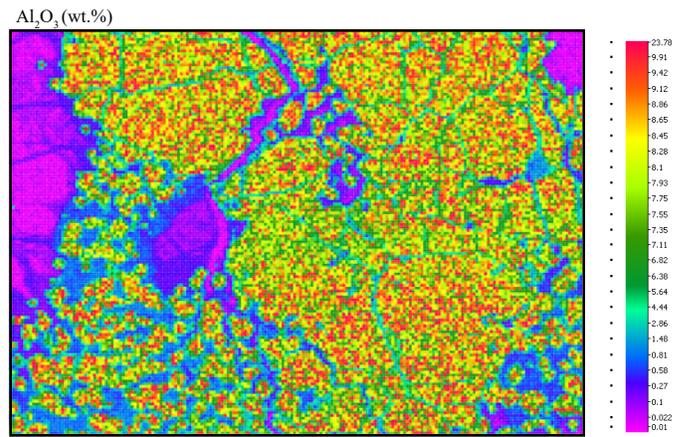
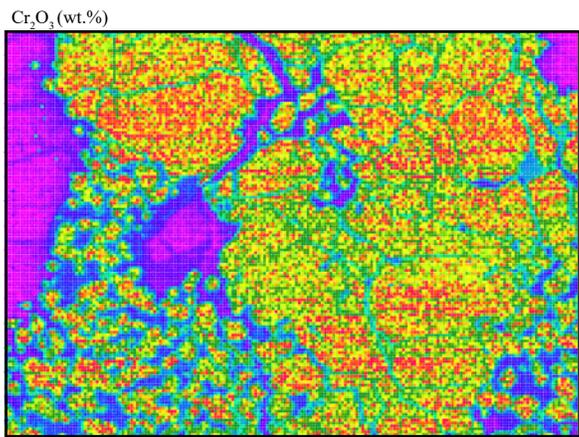
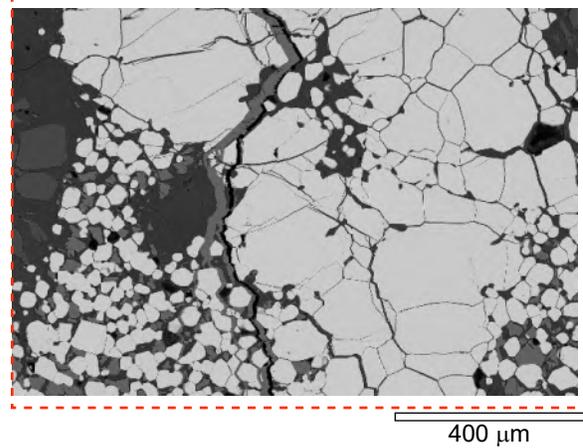




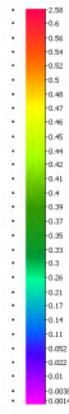
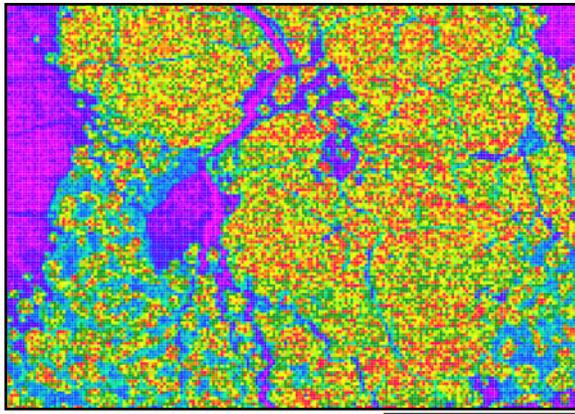
## Appendix 2 - LA-ICP-MS maps and correlation matrices



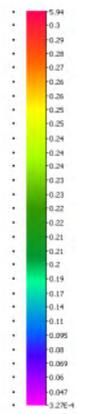
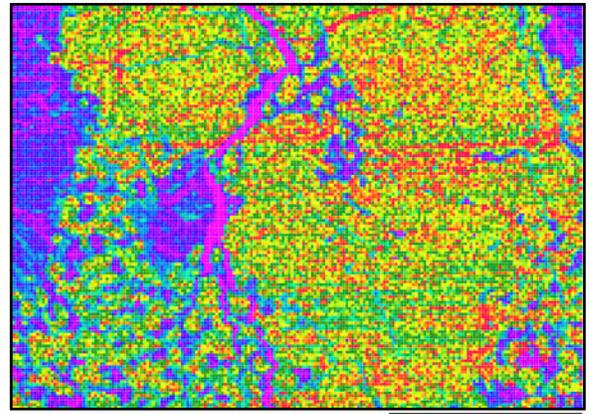
map area: DMI18-32-11\_2



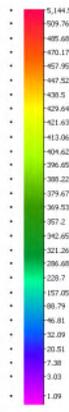
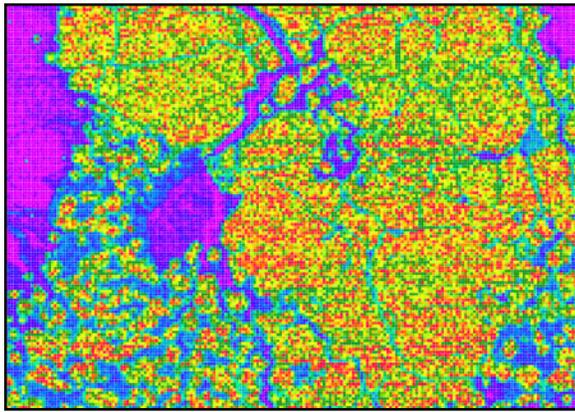
TiO<sub>2</sub> (wt.%)



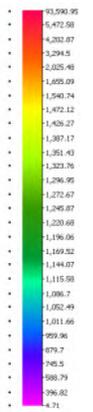
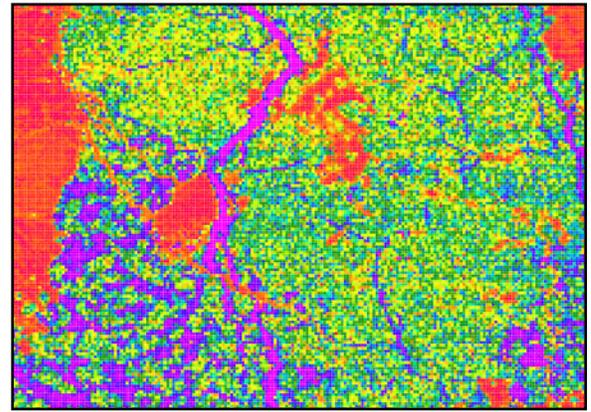
MnO (wt.%)



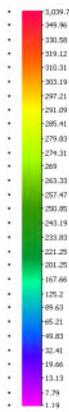
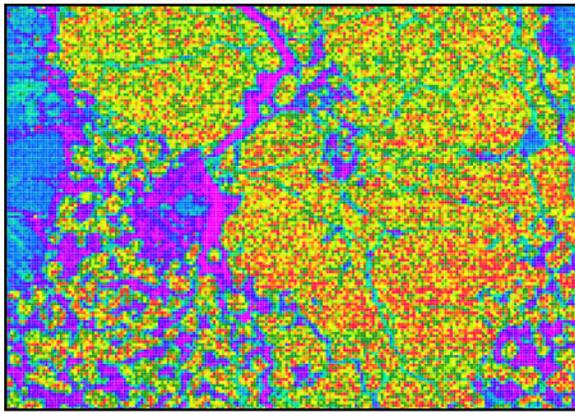
V (ppm)



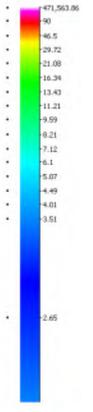
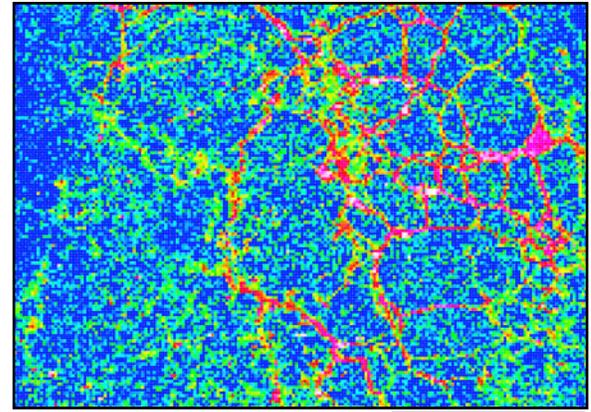
Ni (ppm)



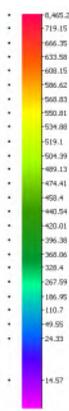
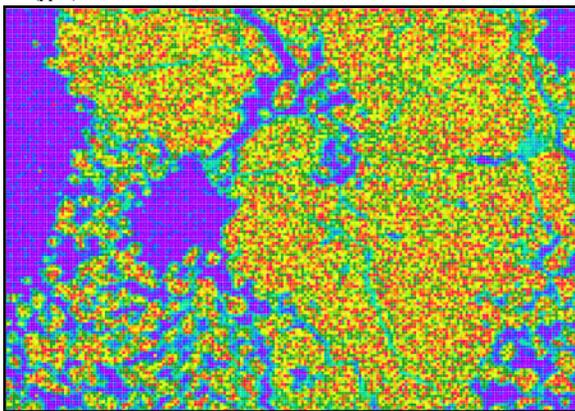
Co (ppm)



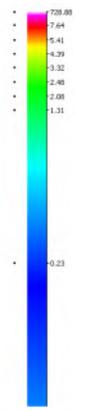
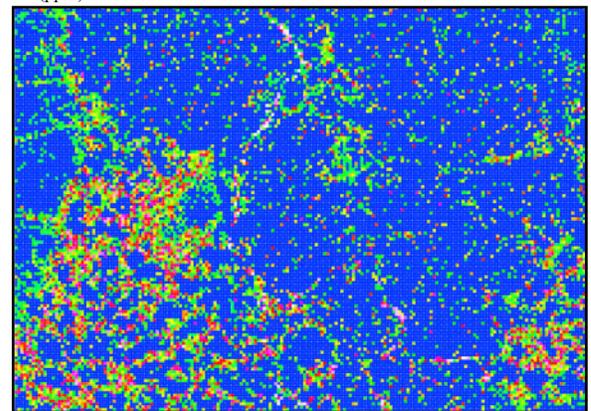
Cu (ppm)



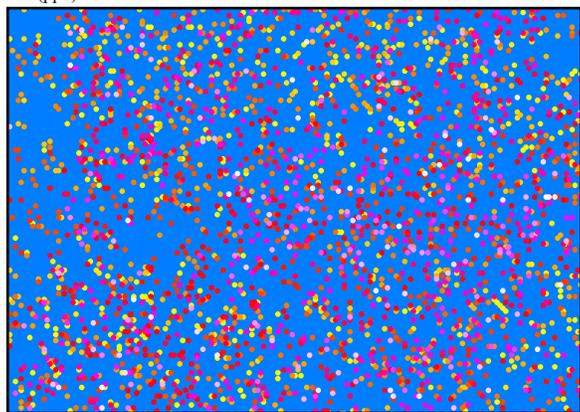
Zn (ppm)



Zr (ppm)

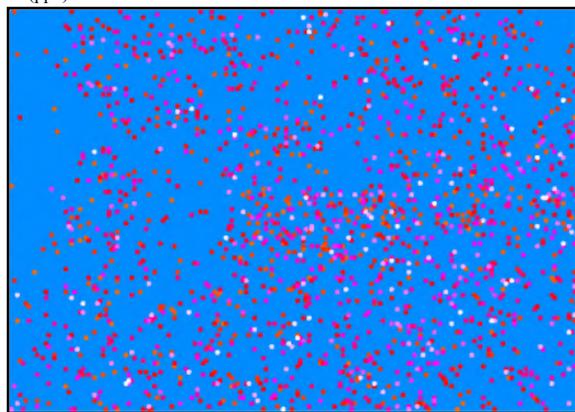


Ru (ppb)



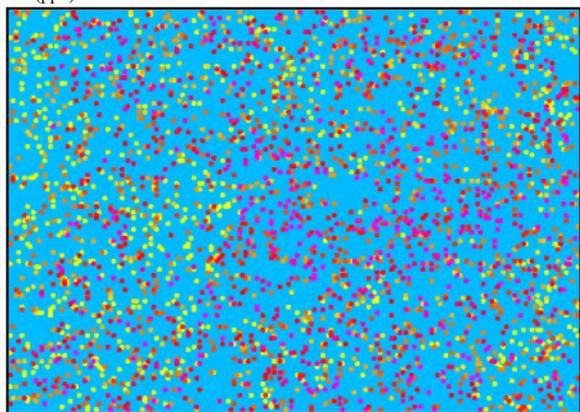
400  $\mu\text{m}$

Ir (ppb)



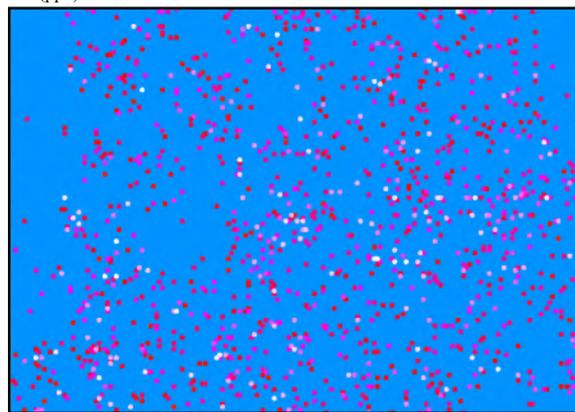
400  $\mu\text{m}$

Pd (ppb)



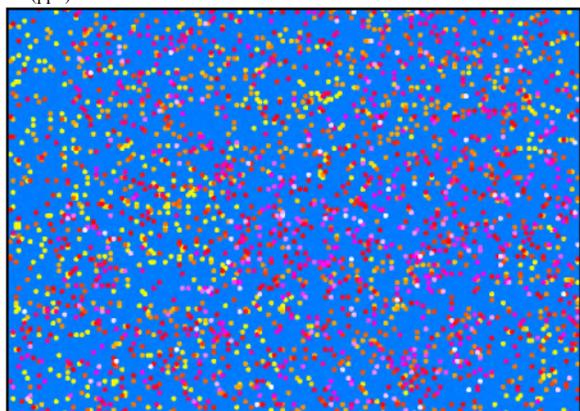
400  $\mu\text{m}$

Rh (ppb)



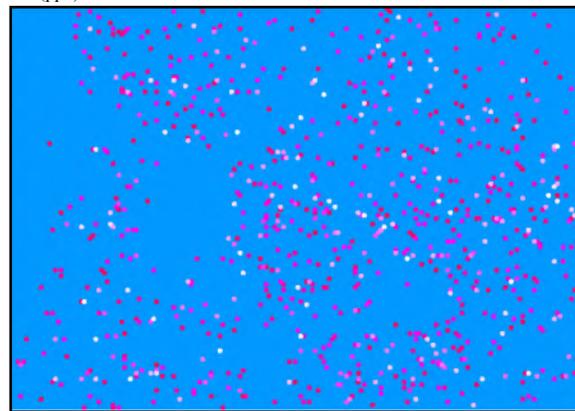
400  $\mu\text{m}$

Pt (ppb)



400  $\mu\text{m}$

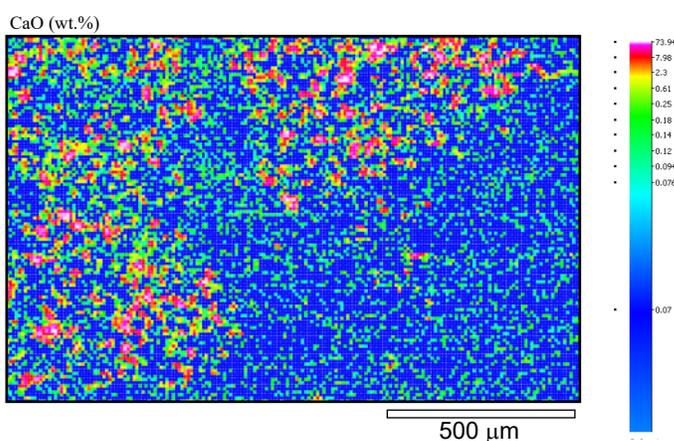
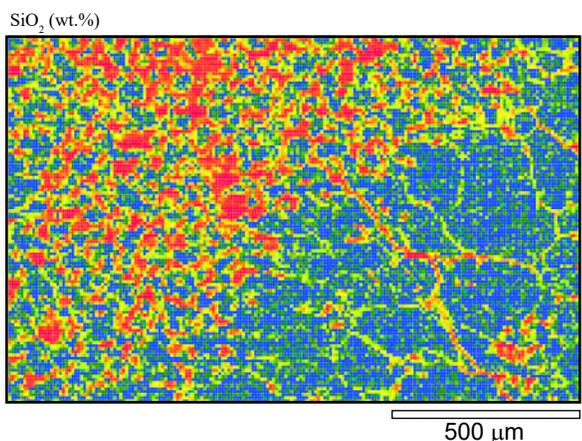
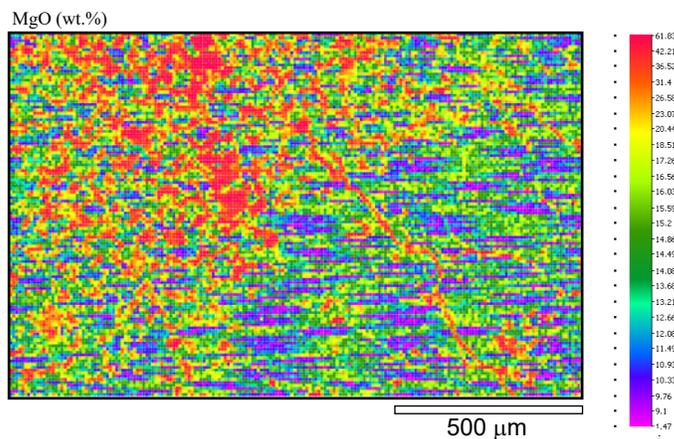
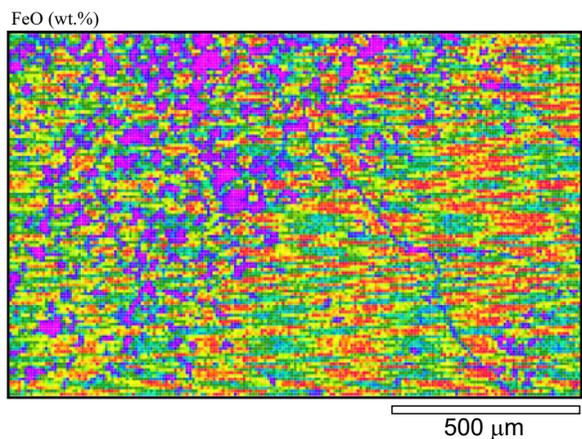
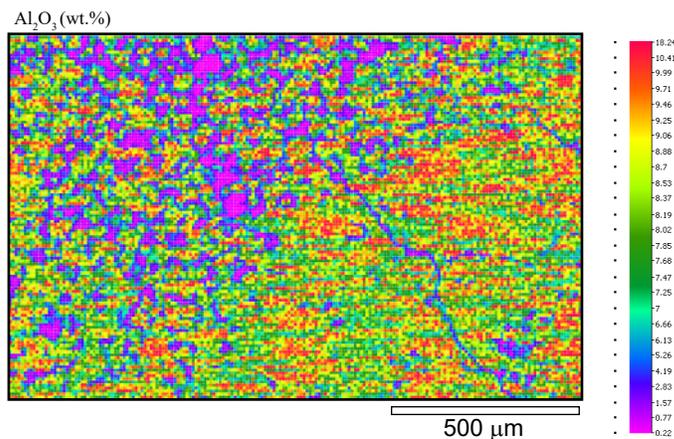
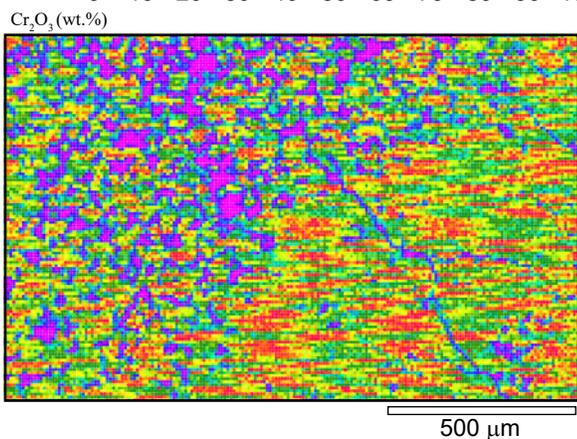
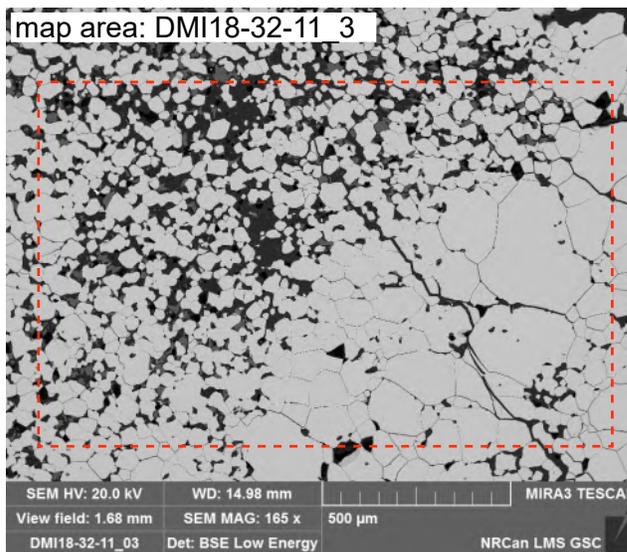
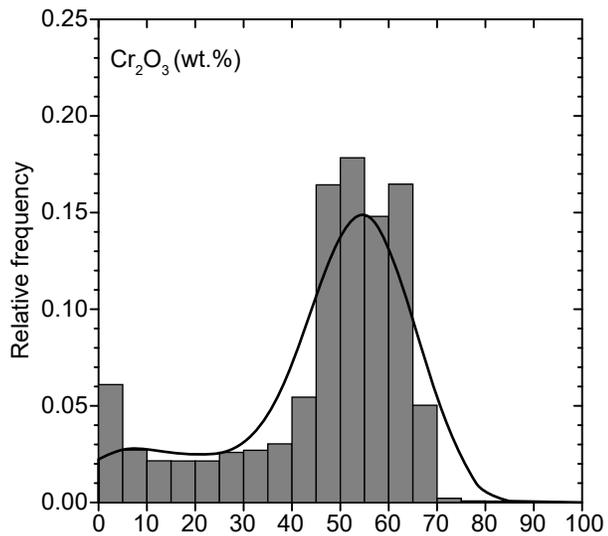
Os (ppb)



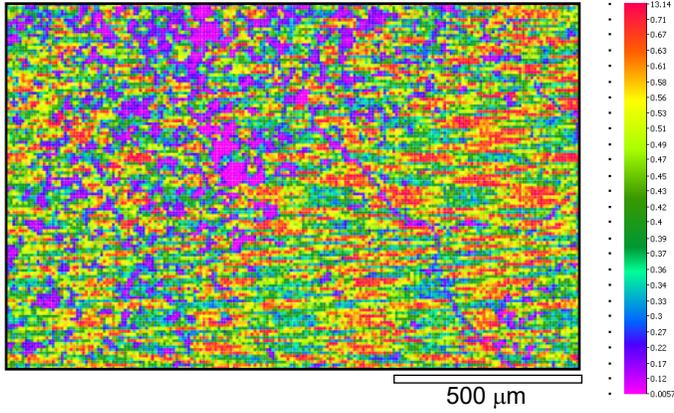
400  $\mu\text{m}$

Pearson correlation matrix for element map DMI18-32-11\_2 (n = 27,860 analyses)

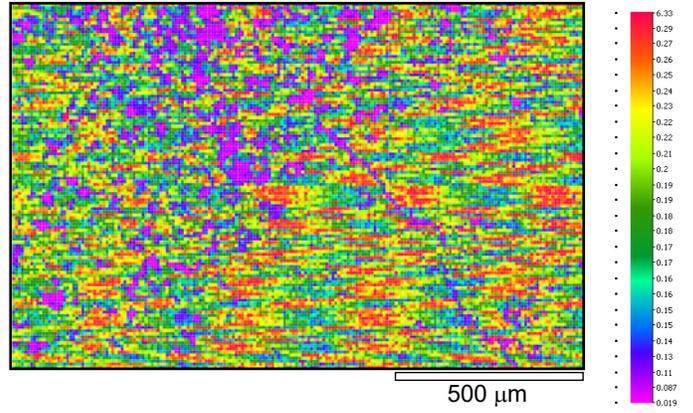
	Cr <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	FeO	MgO	TiO <sub>2</sub>	MnO	CaO	SiO <sub>2</sub>	Na <sub>2</sub> O	K <sub>2</sub> O	C	S	V	Co	Ni	Cu	Zn	Pb	Zr	Hf	Yb	Ru	Rh	Pd	Os	Ir	Pt
Cr <sub>2</sub> O <sub>3</sub>	1.00	0.95	0.91	-0.81	0.87	0.64	-0.35	-0.92	-0.17	-0.02	-0.02	0.12	0.93	0.83	-0.37	-0.01	0.85	0.07	-0.19	0.00	-0.05	0.05	0.02	0.08	0.05	0.04	0.08
Al <sub>2</sub> O <sub>3</sub>	0.95	1.00	0.88	-0.77	0.88	0.62	-0.34	-0.89	-0.15	-0.01	-0.02	0.11	0.91	0.80	-0.37	-0.01	0.83	0.07	-0.16	0.00	-0.04	0.04	0.02	0.08	0.05	0.04	0.09
FeO	0.91	0.88	1.00	-0.74	0.86	0.65	-0.39	-0.86	-0.16	0.04	-0.02	0.11	0.90	0.81	-0.31	0.00	0.83	0.07	-0.16	0.00	-0.05	0.05	0.03	0.08	0.06	0.05	0.09
MgO	-0.81	-0.77	-0.74	1.00	-0.73	-0.49	-0.17	0.83	0.02	-0.03	0.00	-0.11	-0.76	-0.65	0.50	0.00	-0.70	-0.07	0.11	0.00	0.03	-0.04	-0.03	-0.08	-0.04	-0.03	-0.07
TiO <sub>2</sub>	0.87	0.88	0.86	-0.73	1.00	0.61	-0.33	-0.81	-0.12	-0.01	-0.03	0.11	0.88	0.74	-0.40	-0.01	0.78	0.07	-0.13	0.01	-0.03	0.04	0.02	0.08	0.05	0.04	0.08
MnO	0.64	0.62	0.65	-0.49	0.61	1.00	-0.32	-0.57	-0.11	0.00	-0.01	0.08	0.61	0.55	-0.25	-0.01	0.58	0.07	-0.09	0.00	-0.03	0.04	0.02	0.05	0.04	0.03	0.06
CaO	-0.35	-0.34	-0.39	-0.17	-0.33	-0.32	1.00	0.04	0.13	0.05	0.04	-0.04	-0.33	-0.34	-0.19	0.00	-0.30	-0.01	0.09	0.00	0.02	-0.01	0.00	-0.02	-0.02	-0.01	-0.03
SiO <sub>2</sub>	-0.92	-0.89	-0.86	0.83	-0.81	-0.57	0.04	1.00	0.17	-0.01	0.01	-0.12	-0.87	-0.77	0.41	0.00	-0.80	-0.08	0.17	0.00	0.05	-0.05	-0.03	-0.08	-0.05	-0.04	-0.08
Na <sub>2</sub> O	-0.17	-0.15	-0.16	0.02	-0.12	-0.11	0.13	0.17	1.00	0.09	0.01	0.47	-0.15	-0.13	-0.04	0.03	-0.13	0.14	0.13	0.01	0.03	-0.01	0.11	0.00	0.01	0.03	0.01
K <sub>2</sub> O	-0.02	-0.01	0.04	-0.03	-0.01	0.00	0.05	-0.01	0.09	1.00	0.02	0.04	-0.02	-0.01	-0.02	0.00	-0.02	0.03	0.12	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01
C	-0.02	-0.02	-0.02	0.00	-0.03	-0.01	0.04	0.01	0.01	0.02	1.00	0.00	-0.03	-0.03	-0.01	0.00	-0.02	0.00	0.02	0.00	0.01	0.00	0.00	-0.01	0.00	0.00	0.00
S	0.12	0.11	0.11	-0.11	0.11	0.08	-0.04	-0.12	0.47	0.04	0.00	1.00	0.12	0.12	-0.04	0.01	0.12	0.13	-0.02	0.01	-0.01	0.01	0.08	0.02	0.02	0.03	0.01
V	0.93	0.91	0.90	-0.76	0.88	0.61	-0.33	-0.87	-0.15	-0.02	-0.03	0.12	1.00	0.81	-0.36	-0.01	0.83	0.07	-0.17	0.00	-0.04	0.05	0.02	0.08	0.05	0.04	0.08
Co	0.83	0.80	0.81	-0.65	0.74	0.55	-0.34	-0.77	-0.13	-0.01	-0.03	0.12	0.81	1.00	-0.22	0.02	0.76	0.07	-0.16	0.00	-0.04	0.04	0.05	0.08	0.05	0.04	0.08
Ni	-0.37	-0.37	-0.31	0.50	-0.40	-0.25	-0.19	0.41	-0.04	-0.02	-0.01	-0.04	-0.36	-0.22	1.00	0.35	-0.31	-0.04	-0.03	-0.01	-0.03	-0.02	0.22	-0.03	0.09	-0.01	-0.04
Cu	-0.01	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.03	0.00	0.00	0.01	-0.01	0.02	0.35	1.00	0.00	0.00	0.00	0.04	0.00	0.00	0.66	0.00	0.31	0.01	0.00
Zn	0.85	0.83	0.83	-0.70	0.78	0.58	-0.30	-0.80	-0.13	-0.02	-0.02	0.12	0.83	0.76	-0.31	0.00	1.00	0.09	-0.16	0.00	-0.04	0.04	0.03	0.08	0.05	0.04	0.09
Pb	0.07	0.07	0.07	-0.07	0.07	0.07	-0.01	-0.08	0.14	0.03	0.00	0.13	0.07	0.07	-0.04	0.00	0.09	1.00	0.01	0.01	-0.01	0.01	0.03	0.02	0.00	0.01	0.03
Zr	-0.19	-0.16	-0.16	0.11	-0.13	-0.09	0.09	0.17	0.13	0.12	0.02	-0.02	-0.17	-0.16	-0.03	0.00	-0.16	0.01	1.00	0.02	0.04	0.00	-0.01	-0.01	-0.01	-0.01	0.00
Hf	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	-0.01	0.04	0.00	0.01	0.02	1.00	0.01	0.00	0.02	0.00	0.01	0.01	0.00
Yb	-0.05	-0.04	-0.05	0.03	-0.03	-0.03	0.02	0.05	0.03	0.00	0.01	-0.01	-0.04	-0.04	-0.03	0.00	-0.04	-0.01	0.04	0.01	1.00	0.00	-0.01	0.00	0.00	0.00	-0.01
Ru	0.05	0.04	0.05	-0.04	0.04	0.04	-0.01	-0.05	-0.01	0.01	0.00	0.01	0.05	0.04	-0.02	0.00	0.04	0.01	0.00	0.00	0.00	1.00	0.05	0.01	0.08	0.04	0.00
Rh	0.02	0.02	0.03	-0.03	0.02	0.02	0.00	-0.03	0.11	0.00	0.00	0.08	0.02	0.05	0.22	0.66	0.03	0.03	-0.01	0.02	-0.01	0.05	1.00	0.02	0.24	0.04	0.01
Pd	0.08	0.08	0.08	-0.08	0.08	0.05	-0.02	-0.08	0.00	0.00	-0.01	0.02	0.08	0.08	-0.03	0.00	0.08	0.02	-0.01	0.00	0.00	0.01	0.02	1.00	0.01	0.01	0.00
Os	0.05	0.05	0.06	-0.04	0.05	0.04	-0.02	-0.05	0.01	0.00	0.00	0.02	0.05	0.05	0.09	0.31	0.05	0.00	-0.01	0.01	0.00	0.08	0.24	0.01	1.00	0.27	0.00
Ir	0.04	0.04	0.05	-0.03	0.04	0.03	-0.01	-0.04	0.03	0.00	0.00	0.03	0.04	0.04	-0.01	0.01	0.04	0.01	-0.01	0.00	0.00	0.04	0.04	0.01	0.27	1.00	0.00
Pt	0.08	0.09	0.09	-0.07	0.08	0.06	-0.03	-0.08	0.01	0.01	0.00	0.01	0.08	0.08	-0.04	0.00	0.09	0.03	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00	1.00



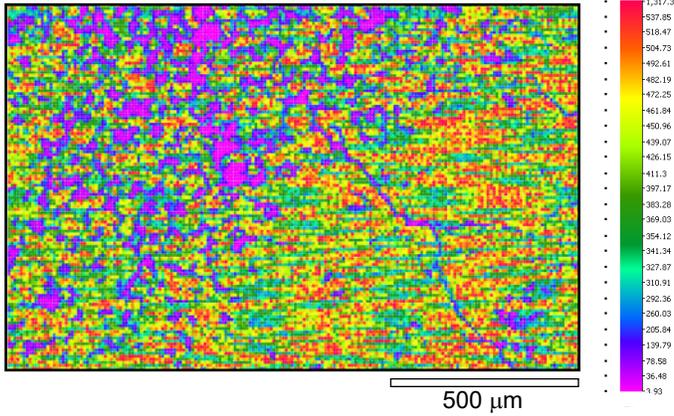
TiO<sub>2</sub> (wt.%)



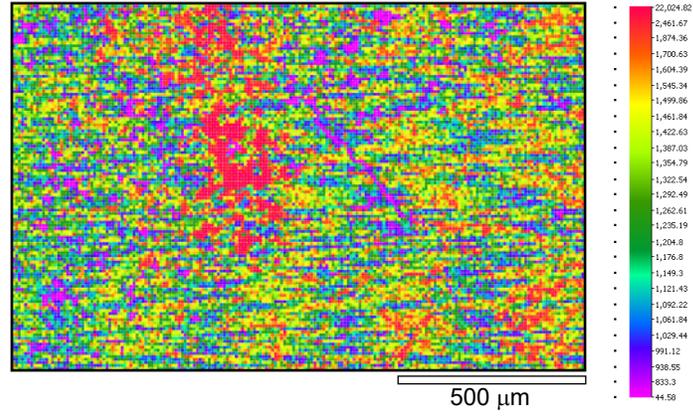
MnO (wt.%)



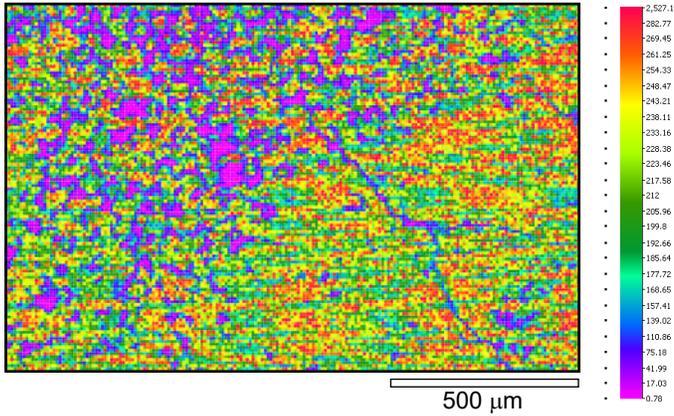
V (ppm)



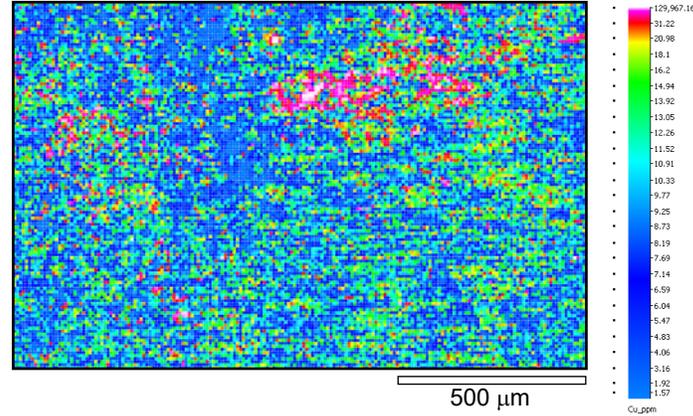
Ni (ppm)



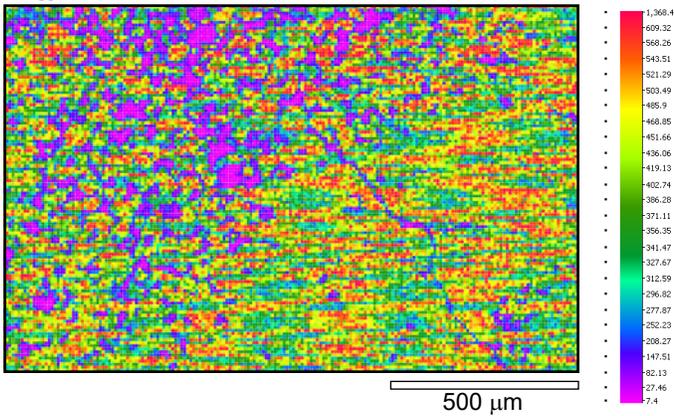
Co (ppm)



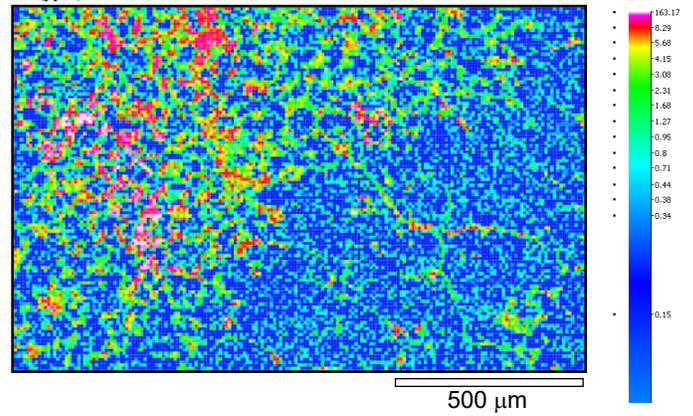
Cu (ppm)



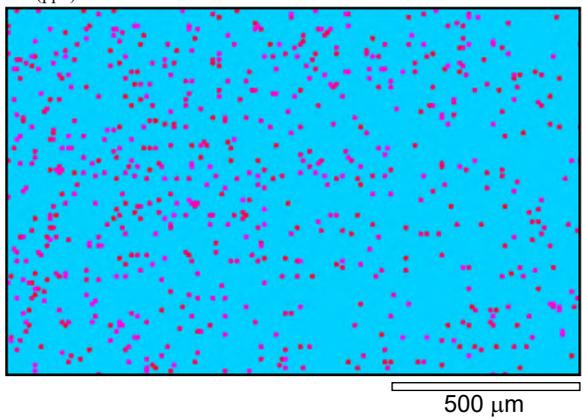
Zn (ppm)



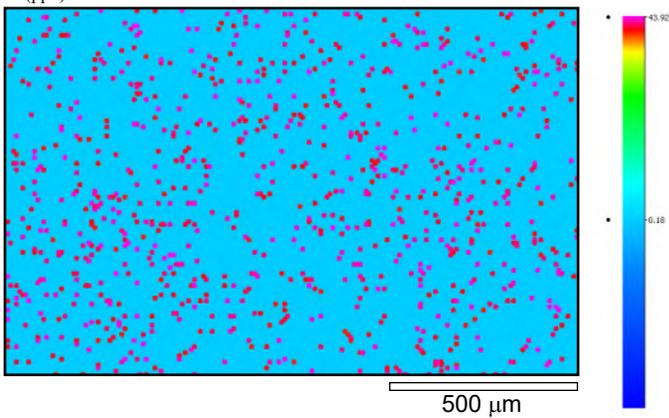
Zr (ppm)



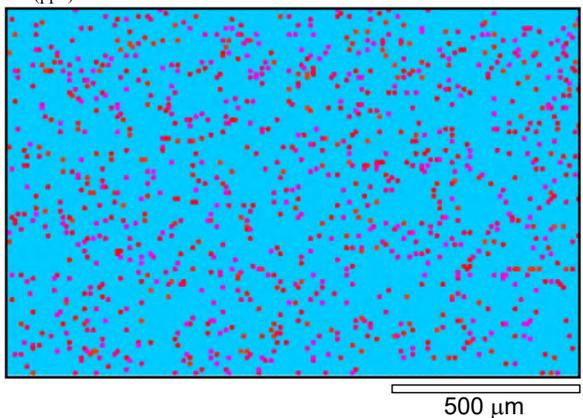
Ru (ppb)



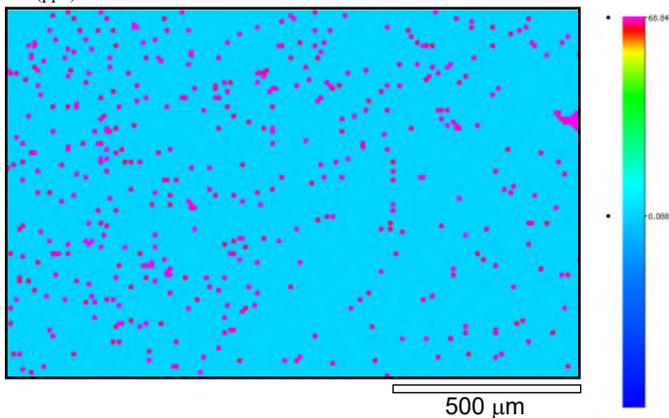
Ir (ppb)



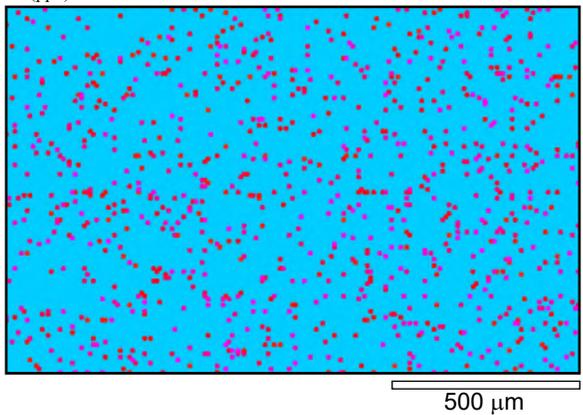
Pd (ppb)



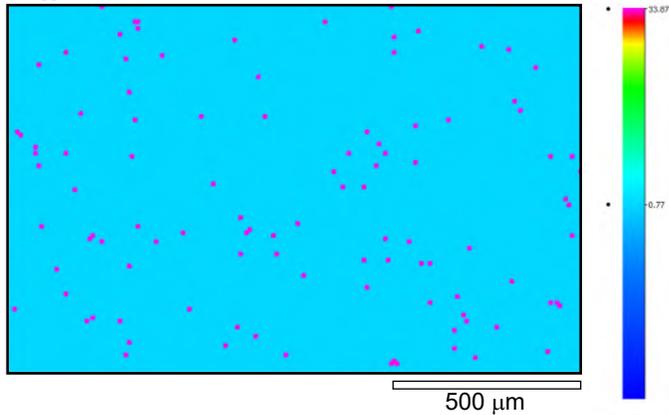
Rh (ppb)



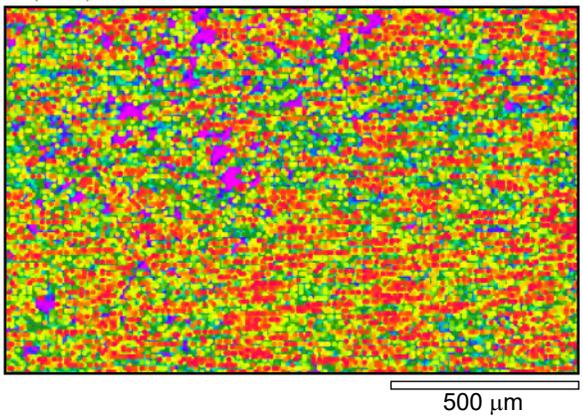
Pt (ppb)



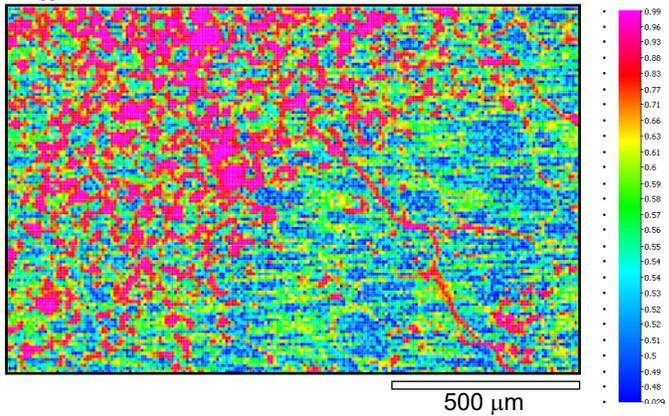
Os (ppb)



Cr/(Cr+Al)



Os (ppb)



Pearson correlation matrix for element map DMI18-32-11\_3 (n = 27,860 analyses)

	Cr <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	FeO	MgO	TiO <sub>2</sub>	MnO	CaO	SiO <sub>2</sub>	Na <sub>2</sub> O	K <sub>2</sub> O	C	S	V	Co	Ni	Cu	Zn	Pb	Zr	Hf	Yb	Ru	Rh	Pd	Os	Ir	Pt
Cr <sub>2</sub> O <sub>3</sub>	1.00	0.95	0.91	-0.81	0.87	0.64	-0.35	-0.92	-0.17	-0.02	-0.02	0.12	0.93	0.83	-0.37	-0.01	0.85	0.07	-0.19	0.00	-0.05	0.05	0.02	0.08	0.05	0.04	0.08
Al <sub>2</sub> O <sub>3</sub>	0.95	1.00	0.88	-0.77	0.88	0.62	-0.34	-0.89	-0.15	-0.01	-0.02	0.11	0.91	0.80	-0.37	-0.01	0.83	0.07	-0.16	0.00	-0.04	0.04	0.02	0.08	0.05	0.04	0.09
FeO	0.91	0.88	1.00	-0.74	0.86	0.65	-0.39	-0.86	-0.16	0.04	-0.02	0.11	0.90	0.81	-0.31	0.00	0.83	0.07	-0.16	0.00	-0.05	0.05	0.03	0.08	0.06	0.05	0.09
MgO	-0.81	-0.77	-0.74	1.00	-0.73	-0.49	-0.17	0.83	0.02	-0.03	0.00	-0.11	-0.76	-0.65	0.50	0.00	-0.70	-0.07	0.11	0.00	0.03	-0.04	-0.03	-0.08	-0.04	-0.03	-0.07
TiO <sub>2</sub>	0.87	0.88	0.86	-0.73	1.00	0.61	-0.33	-0.81	-0.12	-0.01	-0.03	0.11	0.88	0.74	-0.40	-0.01	0.78	0.07	-0.13	0.01	-0.03	0.04	0.02	0.08	0.05	0.04	0.08
MnO	0.64	0.62	0.65	-0.49	0.61	1.00	-0.32	-0.57	-0.11	0.00	-0.01	0.08	0.61	0.55	-0.25	-0.01	0.58	0.07	-0.09	0.00	-0.03	0.04	0.02	0.05	0.04	0.03	0.06
CaO	-0.35	-0.34	-0.39	-0.17	-0.33	-0.32	1.00	0.04	0.13	0.05	0.04	-0.04	-0.33	-0.34	-0.19	0.00	-0.30	-0.01	0.09	0.00	0.02	-0.01	0.00	-0.02	-0.02	-0.01	-0.03
SiO <sub>2</sub>	-0.92	-0.89	-0.86	0.83	-0.81	-0.57	0.04	1.00	0.17	-0.01	0.01	-0.12	-0.87	-0.77	0.41	0.00	-0.80	-0.08	0.17	0.00	0.05	-0.05	-0.03	-0.08	-0.05	-0.04	-0.08
Na <sub>2</sub> O	-0.17	-0.15	-0.16	0.02	-0.12	-0.11	0.13	0.17	1.00	0.09	0.01	0.47	-0.15	-0.13	-0.04	0.03	-0.13	0.14	0.13	0.01	0.03	-0.01	0.11	0.00	0.01	0.03	0.01
K <sub>2</sub> O	-0.02	-0.01	0.04	-0.03	-0.01	0.00	0.05	-0.01	0.09	1.00	0.02	0.04	-0.02	-0.01	-0.02	0.00	-0.02	0.03	0.12	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01
C	-0.02	-0.02	-0.02	0.00	-0.03	-0.01	0.04	0.01	0.01	0.02	1.00	0.00	-0.03	-0.03	-0.01	0.00	-0.02	0.00	0.02	0.00	0.01	0.00	0.00	-0.01	0.00	0.00	0.00
S	0.12	0.11	0.11	-0.11	0.11	0.08	-0.04	-0.12	0.47	0.04	0.00	1.00	0.12	0.12	-0.04	0.01	0.12	0.13	-0.02	0.01	-0.01	0.01	0.08	0.02	0.02	0.03	0.01
V	0.93	0.91	0.90	-0.76	0.88	0.61	-0.33	-0.87	-0.15	-0.02	-0.03	0.12	1.00	0.81	-0.36	-0.01	0.83	0.07	-0.17	0.00	-0.04	0.05	0.02	0.08	0.05	0.04	0.08
Co	0.83	0.80	0.81	-0.65	0.74	0.55	-0.34	-0.77	-0.13	-0.01	-0.03	0.12	0.81	1.00	-0.22	0.02	0.76	0.07	-0.16	0.00	-0.04	0.04	0.05	0.08	0.05	0.04	0.08
Ni	-0.37	-0.37	-0.31	0.50	-0.40	-0.25	-0.19	0.41	-0.04	-0.02	-0.01	-0.04	-0.36	-0.22	1.00	0.35	-0.31	-0.04	-0.03	-0.01	-0.03	-0.02	0.22	-0.03	0.09	-0.01	-0.04
Cu	-0.01	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.03	0.00	0.00	0.01	-0.01	0.02	0.35	1.00	0.00	0.00	0.00	0.04	0.00	0.00	0.66	0.00	0.31	0.01	0.00
Zn	0.85	0.83	0.83	-0.70	0.78	0.58	-0.30	-0.80	-0.13	-0.02	-0.02	0.12	0.83	0.76	-0.31	0.00	1.00	0.09	-0.16	0.00	-0.04	0.04	0.03	0.08	0.05	0.04	0.09
Pb	0.07	0.07	0.07	-0.07	0.07	0.07	-0.01	-0.08	0.14	0.03	0.00	0.13	0.07	0.07	-0.04	0.00	0.09	1.00	0.01	0.01	-0.01	0.01	0.03	0.02	0.00	0.01	0.03
Zr	-0.19	-0.16	-0.16	0.11	-0.13	-0.09	0.09	0.17	0.13	0.12	0.02	-0.02	-0.17	-0.16	-0.03	0.00	-0.16	0.01	1.00	0.02	0.04	0.00	-0.01	-0.01	-0.01	-0.01	0.00
Hf	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	-0.01	0.04	0.00	0.01	0.02	1.00	0.01	0.00	0.02	0.00	0.01	0.00	0.00
Yb	-0.05	-0.04	-0.05	0.03	-0.03	-0.03	0.02	0.05	0.03	0.00	0.01	-0.01	-0.04	-0.04	-0.03	0.00	-0.04	-0.01	0.04	0.01	1.00	0.00	-0.01	0.00	0.00	0.00	-0.01
Ru	0.05	0.04	0.05	-0.04	0.04	0.04	-0.01	-0.05	-0.01	0.01	0.00	0.01	0.05	0.04	-0.02	0.00	0.04	0.01	0.00	0.00	0.00	1.00	0.05	0.01	0.08	0.04	0.00
Rh	0.02	0.02	0.03	-0.03	0.02	0.02	0.00	-0.03	0.11	0.00	0.00	0.08	0.02	0.05	0.22	0.66	0.03	0.03	-0.01	0.02	-0.01	0.05	1.00	0.02	0.24	0.04	0.01
Pd	0.08	0.08	0.08	-0.08	0.08	0.05	-0.02	-0.08	0.00	0.00	-0.01	0.02	0.08	0.08	-0.03	0.00	0.08	0.02	-0.01	0.00	0.00	0.01	0.02	1.00	0.01	0.01	0.00
Os	0.05	0.05	0.06	-0.04	0.05	0.04	-0.02	-0.05	0.01	0.00	0.00	0.02	0.05	0.05	0.09	0.31	0.05	0.00	-0.01	0.01	0.00	0.08	0.24	0.01	1.00	0.27	0.00
Ir	0.04	0.04	0.05	-0.03	0.04	0.03	-0.01	-0.04	0.03	0.00	0.00	0.03	0.04	0.04	-0.01	0.01	0.04	0.01	-0.01	0.00	0.00	0.04	0.04	0.01	0.27	1.00	0.00
Pt	0.08	0.09	0.09	-0.07	0.08	0.06	-0.03	-0.08	0.01	0.01	0.00	0.01	0.08	0.08	-0.04	0.00	0.09	0.03	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00	1.00