

Supplementary File

Radiometric U-Pb dating of zircons by LA-ICP-MS

Analytical Methodology and Data Correction

All U-Pb ages presented were obtained using laser ablation inductively coupled plasma mass spectrometry (LA-ICPMS). Isotopic data were corrected for instrumental fractionation (i.e., drift, mass bias, and downhole fractionation) using the GLITTER® data reduction software.

Regarding common lead (common Pb), all isotopic ratios and ages reported in the tables have been corrected using the ComPbCorr routine (Andersen, 2002).

Table S.1 Results of the isotopic analyses of U, Pb, and single-spot ages per sample obtained in this study by LA-ICP-MS. Analyses not considered in the age calculation are marked with an asterisk (*). Uncertainties for individual isotopic ratios and single-spot ages are reported at 1 σ . Weighted mean $^{206}\text{Pb}/^{238}\text{U}$ ages are reported at the 95% confidence level (2 σ).

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
Sample M004 Tonalite 7689221N - 504471E (North) - Quiscoso Tonalite. U-Pb age by weighted average = 45.4 ± 0.3 Ma (n=29/30) - MSWD = 0.96													
M-004-001	0.00702	0.00011	0.04437	0.00249	0.04586	0.00265	0.28	45.1	0.7	44.0	2.0	-9	126
M-004-002	0.00715	0.00027	0.04569	0.00666	0.04636	0.00697	0.26	46.0	2.0	45.0	6.0	16	274
M-004-003	0.00709	0.00010	0.04559	0.00280	0.04663	0.00292	0.23	45.5	0.6	45.0	3.0	30	138
M-004-004	0.00709	0.00015	0.04621	0.00356	0.04727	0.00377	0.27	45.5	1.0	46.0	3.0	63	178
M-004-005	0.00700	0.00011	0.04523	0.00248	0.04690	0.00266	0.29	45.0	0.7	45.0	2.0	44	124
M-004-006	0.00674	0.00013	0.04376	0.00330	0.04709	0.00365	0.26	43.3	0.8	43.0	3.0	54	173
M-004-007	0.00691	0.00012	0.04496	0.00312	0.04720	0.00337	0.25	44.4	0.8	45.0	3.0	59	159
M-004-009	0.00706	0.00018	0.04577	0.00473	0.04705	0.00501	0.25	45.0	1.0	45.0	5.0	52	224
M-004-011	0.00697	0.00011	0.04555	0.00274	0.04738	0.00294	0.26	44.8	0.7	45.0	3.0	68	138

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
M-004-012	0.00708	0.00012	0.04559	0.00294	0.04669	0.00310	0.26	45.5	0.8	45.0	3.0	33	147
M-004-013	0.00714	0.00008	0.04567	0.00171	0.04641	0.00179	0.30	45.9	0.5	45.0	2.0	19	82
M-004-015	0.00684	0.00018	0.04475	0.00395	0.04744	0.00437	0.30	44.0	1.0	44.0	4.0	71	204
M-004-016	0.00722	0.00013	0.04684	0.00274	0.04709	0.00287	0.31	46.4	0.8	46.0	3.0	54	134
M-004-019	0.00707	0.00023	0.04489	0.00517	0.04604	0.00550	0.28	45.0	1.0	45.0	5.0		237
M-004-021	0.00703	0.00010	0.04481	0.00230	0.04621	0.00245	0.28	45.2	0.6	45.0	2.0	9	115
M-004-022	0.00717	0.00012	0.04658	0.00266	0.04712	0.00279	0.29	46.1	0.8	46.0	3.0	55	130
M-004-023	0.00722	0.00014	0.04701	0.00303	0.04720	0.00317	0.30	46.4	0.9	47.0	3.0	59	149
M-004-025	0.00738	0.00026	0.04627	0.00568	0.04548	0.00579	0.29	47.0	2.0	46.0	6.0	-30	236
M-004-026	0.00702	0.00011	0.04437	0.00249	0.04586	0.00265	0.29	47.0	1.0	44.0	2.0	-28	179
M-004-029	0.00715	0.00027	0.04569	0.00666	0.04636	0.00697	0.27	44.7	1.0	45.0	6.0	101	184
M-004-031	0.00709	0.00010	0.04559	0.00280	0.04663	0.00292	0.25	44.6	0.8	45.0	3.0	80	159
M-004-034	0.00709	0.00015	0.04621	0.00356	0.04727	0.00377	0.24	45.0	0.7	46.0	3.0	75	151
M-004-036	0.00700	0.00011	0.04523	0.00248	0.04690	0.00266	0.28	46.1	0.7	45.0	2.0	45	125
M-004-041	0.00674	0.00013	0.04376	0.00330	0.04709	0.00365	0.27	46.4	0.8	43.0	3.0	-22	137
M-004-042	0.00691	0.00012	0.04496	0.00312	0.04720	0.00337	0.23	45.0	1.0	45.0	3.0	52	242
M-004-043	0.00706	0.00018	0.04577	0.00473	0.04705	0.00501	0.26	46.0	1.0	45.0	5.0	39	233
M-004-049	0.00697	0.00011	0.04555	0.00274	0.04738	0.00294	0.25	46.0	1.0	45.0	3.0	42	229
M-004-051	0.00708	0.00012	0.04559	0.00294	0.04669	0.00310	0.33	46.2	0.6	45.0	3.0	32	93
M-004-052	0.00714	0.00008	0.04567	0.00171	0.04641	0.00179	0.32	45.5	0.6	45.0	2.0	28	97
M-004-054*	0.00684	0.00018	0.04475	0.00395	0.04744	0.00437	0.54	602.0	4.0	44.0	4.0	608	29

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
Sample A003 Granodiorite 7679359N - 501667E (Central) - Paguana Granodiorite. U-Pb age by weighted average = 50.0 ± 0.8 Ma (n= 12/30) - MSWD = 1.3													
A-003-002*	0.00848	0.00023	0.05541	0.01501	0.04742	0.01290	0.10	54.0	1.0	55.0	14.0	70	450
A-003-004*	0.00848	0.00027	0.05532	0.01719	0.04732	0.01478	0.10	54.0	2.0	55.0	17.0	65	515
A-003-005*	0.00837	0.00037	0.06093	0.01747	0.05282	0.01532	0.15	54.0	2.0	60.0	17.0	321	526
A-003-006*	0.00901	0.00043	0.05775	0.02645	0.04650	0.02141	0.10	58.0	3.0	57.0	25.0	24	778
A-003-008*	0.00836	0.00025	0.05393	0.01829	0.04676	0.01592	0.09	54.0	2.0	53.0	18.0	37	556
A-003-009*	0.00901	0.00055	0.05946	0.03740	0.04787	0.03025	0.10	58.0	4.0	59.0	36.0	93	1010
A-003-010	0.00816	0.00019	0.05299	0.01085	0.04707	0.00970	0.11	52.0	1.0	52.0	10.0	53	354
A-003-011*	0.00920	0.00056	0.05965	0.03262	0.04705	0.02589	0.11	59.0	4.0	59.0	31.0	52	930
A-003-012	0.00783	0.00035	0.05148	0.01746	0.04763	0.01629	0.13	50.0	2.0	51.0	17.0	81	565
A-003-013	0.00769	0.00021	0.04948	0.01207	0.04665	0.01144	0.11	49.0	1.0	49.0	12.0	31	403
A-003-015*	0.00926	0.00049	0.06063	0.03846	0.04749	0.03023	0.08	59.0	3.0	60.0	37.0	74	996
A-003-016	0.00791	0.00015	0.05248	0.00795	0.04808	0.00734	0.13	50.8	1.0	52.0	8.0	103	288
A-003-017c*	0.00884	0.00025	0.05713	0.01401	0.04686	0.01157	0.12	57.0	2.0	56.0	13.0	42	408
A-003-017r	0.00822	0.00047	0.05349	0.02811	0.04720	0.02495	0.11	53.0	3.0	53.0	27.0	59	905
A-003-018*	0.00853	0.00038	0.05493	0.02722	0.04669	0.02322	0.09	55.0	2.0	54.0	26.0	33	834
A-003-019*	0.00861	0.00020	0.05569	0.01420	0.04689	0.01201	0.09	55.0	1.0	55.0	14.0	44	421
A-003-022	0.00734	0.00041	0.04921	0.02380	0.04859	0.02366	0.12	47.0	3.0	49.0	23.0	128	832
A-003-026*	0.00850	0.00096	0.05420	0.07503	0.04624	0.06423	0.08	55.0	6.0	54.0	72.0	10	1469
A-003-026r	0.00750	0.00022	0.04980	0.01516	0.04819	0.01474	0.10	48.0	1.0	49.0	15.0	109	512
A-003-027*	0.00834	0.00018	0.05505	0.01175	0.04786	0.01027	0.10	54.0	1.0	54.0	11.0	92	372
A-003-027r	0.00791	0.00022	0.05107	0.01226	0.04683	0.01132	0.12	51.0	1.0	51.0	12.0	41	402

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
A-003-029*	0.00844	0.00022	0.05551	0.01569	0.04772	0.01353	0.09	54.0	1.0	55.0	15.0	85	472
A-003-030*	0.00848	0.00023	0.05541	0.01501	0.04791	0.02770	0.10	54.0	1.0	55.0	14.0	95	981
A-003-032*	0.00848	0.00027	0.05532	0.01719	0.04794	0.01592	0.10	54.0	2.0	55.0	17.0	96	553
A-003-034*	0.00837	0.00037	0.06093	0.01747	0.04787	0.01325	0.11	54.0	2.0	60.0	17.0	93	460
A-003-034r	0.00901	0.00043	0.05775	0.02645	0.04727	0.02566	0.10	58.0	3.0	57.0	25.0	63	937
A-003-035	0.00836	0.00025	0.05393	0.01829	0.04752	0.01848	0.13	54.0	2.0	53.0	18.0	75	647
A-003-035r	0.00901	0.00055	0.05946	0.03740	0.04852	0.01381	0.11	58.0	4.0	59.0	36.0	125	476
A-003-036*	0.00816	0.00019	0.05299	0.01085	0.04680	0.01970	0.09	52.0	1.0	52.0	10.0	39	702
A-003-036r	0.00920	0.00056	0.05965	0.03262	0.04709	0.00266	0.21	59.0	4.0	59.0	31.0	54	124

Grain	Corrected Ratios						Corrected Ages (Ma)						
	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Rho	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
Sample C008 Monzodioritic porphyry 7681620N - 508663E (Central) - Colcol monzodioritic porphyry. U-Pb age by weighted average = 66.6 ± 0.5 Ma (n=23/32) - MSWD = 0.92													
C.008-001	0.01043	0.00017	0.06807	0.00925	0.04734	0.00647	0.12	67.0	1.0	67.0	9.0	66	267
C.008-002	0.01031	0.00008	0.06884	0.00243	0.04845	0.00173	0.22	66.1	0.5	67.0	9.0	121	83
C.008-003	0.01056	0.00034	0.06773	0.01677	0.04651	0.01161	0.13	68.0	2.0	68.0	2.0	24	409
C.008-008	0.01063	0.00022	0.07102	0.00966	0.04848	0.00667	0.15	68.0	1.0	67.0	16.0	123	275
C.008-010	0.01052	0.00042	0.06936	0.02152	0.04786	0.01497	0.13	67.0	3.0	70.0	9.0	92	522
C.008-011	0.01026	0.00016	0.06779	0.00876	0.04793	0.00623	0.12	66.0	1.0	68.0	20.0	96	259
C.008-013	0.01051	0.00043	0.06996	0.02236	0.04827	0.01555	0.13	67.0	3.0	67.0	8.0	113	541
C.008-014c*	0.18725	0.00228	1.96262	0.06628	0.07602	0.00267	0.36	1106.0	12.0	69.0	21.0	1096	72
C.008-014c_2nd_domain*	0.18574	0.00188	1.96211	0.05259	0.07663	0.00213	0.38	1098.0	10.0	1103.0	23.0	1112	57
C.008-014r*	0.06911	0.00125	0.52676	0.03060	0.05532	0.00334	0.31	431.0	8.0	1103.0	18.0	425	139
C.008-014r_2nd_domain*	0.01705	0.00042	0.11333	0.01355	0.04819	0.00587	0.21	109.0	3.0	430.0	20.0	109	252
C.008-015	0.01029	0.00018	0.06719	0.00834	0.04737	0.00593	0.14	66.0	1.0	67.0	9.0	68	249
C.008-016*	0.12535	0.00327	1.11345	0.09672	0.06447	0.00580	0.30	761.0	19.0	68.0	2.0	757	197
C.008-017c	0.01033	0.00019	0.06867	0.01205	0.04822	0.00851	0.10	66.0	1.0	67.0	16.0	110	323
C.008-017r	0.01043	0.00027	0.06915	0.01024	0.04808	0.00722	0.17	67.0	2.0	70.0	9.0	103	285
C.008-018	0.01051	0.00034	0.06763	0.01416	0.04668	0.00988	0.15	67.0	2.0	68.0	20.0	33	362
C.008-021*	0.15800	0.00136	1.53911	0.03714	0.07066	0.00176	0.36	946.0	8.0	67.0	8.0	948	52
C.008-022*	0.19607	0.00157	2.12810	0.04043	0.07873	0.00153	0.42	1154.0	8.0	69.0	21.0	1165	39
C.008-025	0.01089	0.00027	0.07109	0.01159	0.04736	0.00780	0.15	70.0	2.0	1103.0	23.0	67	302
C.008-026c	0.01068	0.00017	0.07011	0.00770	0.04760	0.00527	0.14	68.0	1.0	1103.0	18.0	79	233
C.008-026r	0.01025	0.00010	0.06820	0.00392	0.04824	0.00280	0.17	65.7	0.6	430.0	20.0	111	131

Grain	Corrected Ratios						Corrected Ages (Ma)						
	$^{206}\text{Pb}/^{238}\text{U}$	1s	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Rho	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
C.008-027*	0.16694	0.00168	1.67039	0.04274	0.07258	0.00190	0.39	995.0	9.0	109.0	12.0	1002	54
C.008-029c	0.01043	0.00017	0.06807	0.00925	0.04798	0.00977	0.14	66.0	2.0	67.0	9.0	98	361
C.008-029r	0.01031	0.00008	0.06884	0.00243	0.04850	0.00519	0.17	66.0	1.0	68.0	2.0	124	236
C.008-030	0.01056	0.00034	0.06773	0.01677	0.04737	0.00679	0.10	69.0	1.0	67.0	16.0	68	269
C.008-031	0.01063	0.00022	0.07102	0.00966	0.04878	0.01679	0.13	66.0	3.0	70.0	9.0	137	582
C.008-035	0.01052	0.00042	0.06936	0.02152	0.04821	0.00746	0.14	66.0	1.0	68.0	20.0	110	292
C.008-051*	0.01026	0.00016	0.06779	0.00876	0.07828	0.00241	0.34	1156.0	11.0	67.0	8.0	1154	63
C.008-059	0.01051	0.00043	0.06996	0.02236	0.04832	0.01760	0.13	66.0	3.0	69.0	21.0	115	610
C.008-066	0.18725	0.00228	1.96262	0.06628	0.04732	0.00850	0.12	69.0	2.0	1103.0	23.0	65	319
C.008-067	0.18574	0.00188	1.96211	0.05259	0.04760	0.00534	0.12	66.4	0.9	1103.0	18.0	79	236
C.008-068	0.06911	0.00125	0.52676	0.03060	0.04780	0.00679	0.14	67.0	1.0	430.0	20.0	89	276

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	²⁰⁶ Pb/ ²³⁸ U	±1σ	²⁰⁷ Pb/ ²³⁵ U	±1σ	²⁰⁷ Pb/ ²⁰⁶ Pb	±1σ		²⁰⁶ Pb/ ²³⁸ U	±1σ	²⁰⁷ Pb/ ²³⁵ U	±1σ	²⁰⁷ Pb/ ²⁰⁶ Pb	±1σ
Sample C013 Quartz monzonite 7681234N - 507993E (Central) - Colcol quartz monzonite. U-Pb age by weighted average = 67.1 ± 0.4 Ma (n=26/29) - MSWD = 1.2													
C.013-001	0.01065	0.00017	0.06999	0.00784	0.04769	0.00539	0.14	68.0	1.0	69.0	7.0	84	238
C.013-002	0.01062	0.00018	0.09218	0.00901	0.06299	0.00624	0.18	67.0	1.0	65.0	7.0		217
C.013-003c	0.01115	0.00034	0.07268	0.01674	0.04729	0.01098	0.13	71.0	2.0	71.0	16.0	64	391
C.013-003r	0.01049	0.00011	0.06881	0.00529	0.04760	0.00369	0.14	67.3	0.7	68.0	5.0	79	173
C.013-004	0.01137	0.00027	0.07395	0.01699	0.04720	0.01090	0.10	73.0	2.0	72.0	16.0	59	387
C.013-005	0.01039	0.00022	0.06870	0.00955	0.04794	0.00673	0.15	67.0	1.0	67.0	9.0	96	281
C.013-006	0.01038	0.00014	0.06811	0.00756	0.04759	0.00531	0.12	66.6	0.9	67.0	7.0	79	235
C.013-007	0.01039	0.00018	0.06924	0.00642	0.04835	0.00455	0.19	67.0	1.0	68.0	6.0	116	209
C.013-008	0.01048	0.00023	0.06959	0.01085	0.04816	0.00758	0.14	67.0	1.0	68.0	10.0	107	295
C.013-012	0.01049	0.00018	0.06931	0.00799	0.04794	0.00558	0.15	67.0	1.0	68.0	8.0	96	243
C.013-013	0.01017	0.00020	0.06741	0.00645	0.04813	0.00469	0.21	65.0	1.0	66.0	6.0	106	217
C.013-014	0.01027	0.00011	0.06818	0.00317	0.04817	0.00227	0.23	65.9	0.7	67.0	3.0	108	106
C.013-015	0.01032	0.00027	0.06813	0.01529	0.04790	0.01082	0.12	66.0	2.0	67.0	15.0	94	390
C.013-016*	0.09524	0.00123	0.98008	0.03730	0.07469	0.00297	0.34	586.0	7.0	694.0	19.0	1060	82
C.013-017*	0.17950	0.00142	1.85486	0.03835	0.07495	0.00160	0.38	1064.0	8.0	1065.0	14.0	1067	44
C.013-019	0.01039	0.00013	0.06886	0.00683	0.04807	0.00480	0.13	66.6	0.8	68.0	6.0	103	222
C.013-020	0.01056	0.00015	0.07022	0.00545	0.04828	0.00379	0.18	67.7	1.0	69.0	5.0	113	177
C.013-022c	0.01027	0.00012	0.06752	0.00402	0.04774	0.00288	0.20	65.9	0.8	66.0	4.0	86	134
C.013-022r	0.01038	0.00012	0.06906	0.00525	0.04829	0.00370	0.15	66.6	0.8	68.0	5.0	114	173
C.013-023	0.01035	0.00035	0.06841	0.01351	0.04807	0.00962	0.17	66.0	2.0	67.0	13.0	103	354
C.013-026	0.01059	0.00011	0.06910	0.00580	0.04733	0.00400	0.12	67.9	0.7	68.0	6.0	66	190
C.013-027	0.01064	0.00023	0.06959	0.00860	0.04747	0.00594	0.17	68.0	1.0	68.0	8.0	73	249

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
C.013-028	0.01065	0.00017	0.06999	0.00784	0.04728	0.01015	0.13	64.0	2.0	69.0	7.0	63	370
C.013-029	0.01062	0.00018	0.09218	0.00901	0.04749	0.00638	0.16	68.0	1.0	65.0	7.0	74	268
C.013-030	0.01115	0.00034	0.07268	0.01674	0.04835	0.00669	0.13	69.0	1.0	71.0	16.0	116	277
C.013-032*	0.01049	0.00011	0.06881	0.00529	0.06475	0.00277	0.32	726.0	9.0	68.0	5.0	766	92
C.013-034	0.01137	0.00027	0.07395	0.01699	0.04804	0.00606	0.13	68.0	1.0	72.0	16.0	101	256
C.013-035c	0.01039	0.00022	0.06870	0.00955	0.04779	0.00240	0.23	67.7	0.8	67.0	9.0	89	112
C.013-035r	0.01038	0.00014	0.06811	0.00756	0.04690	0.00257	0.18	64.5	0.6	67.0	7.0	44	120

Grain	Corrected Ratios				Corrected Ages (Ma)								
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Rho	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
Sample C026 Porphyritic Andesite 7682976N - 509955E (Central) - Collahuasi Formation. U-Pb age by weighted average = 269.3 ± 2.7 Ma (n=3/64) - MSWD = 1.3													
C.026-006*	0.04589	0.00056	0.32924	0.01273	0.05204	0.00207	0.32	289.0	3.0	289.0	10.0	287	93
C.026-007*	0.04508	0.00046	0.32322	0.01573	0.05200	0.00256	0.21	284.0	3.0	284.0	12.0	285	116
C.026-012*	0.19438	0.00164	2.08916	0.04568	0.07796	0.00173	0.39	1145.0	9.0	1145.0	15.0	1146	45
C.026-016*	0.15211	0.00246	1.44797	0.06963	0.06905	0.00342	0.34	913.0	14.0	909.0	29.0	900	105
C.026-017*	0.06904	0.00104	0.53015	0.02386	0.05571	0.00260	0.33	430.0	6.0	432.0	16.0	441	107
C.026-020*	0.17590	0.00128	1.79849	0.03495	0.07417	0.00147	0.37	1045.0	7.0	1045.0	13.0	1046	41
C.026-026*	0.12997	0.00100	1.17190	0.02601	0.06540	0.00149	0.35	788.0	6.0	788.0	12.0	787	49
C.026-028*	0.14150	0.00202	1.31582	0.05311	0.06747	0.00283	0.35	853.0	11.0	853.0	23.0	852	89
C.026-030*	0.18084	0.00666	1.87201	0.23791	0.07522	0.00982	0.29	1072.0	36.0	1071.0	84.0	1074	277
C.026-031*	0.04433	0.00101	0.31624	0.03080	0.05176	0.00515	0.23	280.0	6.0	279.0	24.0	275	227
C.026-032*	0.07419	0.00082	0.57530	0.02002	0.05625	0.00201	0.32	461.0	5.0	461.0	13.0	462	81
C.026-033*	0.15178	0.00106	1.45118	0.02488	0.06936	0.00122	0.41	911.0	6.0	910.0	10.0	909	37
C.026-034*	0.04475	0.00044	0.32230	0.00960	0.05224	0.00160	0.33	282.0	3.0	284.0	7.0	296	72
C.026-037*	0.17242	0.00175	1.74433	0.04589	0.07339	0.00199	0.39	1025.0	10.0	1025.0	17.0	1025	56
C.026-040*	0.04479	0.00042	0.34892	0.01022	0.05651	0.00170	0.32	282.0	3.0	304.0	8.0	472	68
C.026-043*	0.18066	0.00115	1.87090	0.02507	0.07512	0.00102	0.48	1071.0	6.0	1071.0	9.0	1072	28
C.026-044*	0.09170	0.00090	0.74392	0.02293	0.05884	0.00187	0.32	566.0	5.0	565.0	13.0	561	71
C.026-048*	0.16346	0.00142	1.61555	0.03384	0.07170	0.00154	0.41	976.0	8.0	976.0	13.0	977	45
C.026-049*	0.04949	0.00052	0.35906	0.00980	0.05263	0.00149	0.38	311.0	3.0	312.0	7.0	313	66
C.026-050	0.04180	0.00069	0.29730	0.01445	0.05159	0.00262	0.34	264.0	4.0	264.0	11.0	267	119
C.026-060*	0.16420	0.00157	1.62342	0.03631	0.07171	0.00166	0.43	980.0	9.0	979.0	14.0	978	48

Grain	Corrected Ratios						Corrected Ages (Ma)						
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Rho	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
C.026-061*	0.11656	0.00094	1.01362	0.01734	0.06307	0.00111	0.47	711.0	5.0	711.0	9.0	711	38
C.026-062*	0.06367	0.00060	0.47969	0.01067	0.05464	0.00126	0.42	398.0	4.0	289.0	10.0	398	53
C.026-064*	0.22106	0.00460	2.55419	0.13929	0.08378	0.00484	0.38	1287.0	24.0	284.0	12.0	1287	116
C.026-066*	0.04899	0.00076	0.37477	0.01590	0.05550	0.00246	0.37	308.0	5.0	1145.0	15.0	432	101
C.026-069*	0.18160	0.00162	1.88252	0.03772	0.07519	0.00157	0.45	1076.0	9.0	909.0	29.0	1074	43
C.026-070*	0.16995	0.00144	1.70660	0.03109	0.07283	0.00138	0.47	1012.0	8.0	432.0	16.0	1009	39
C.026-071*	0.41161	0.00394	10.85857	0.24003	0.19134	0.00442	0.43	2222.0	18.0	1045.0	13.0	2754	39
C.026-072*	0.07548	0.00055	0.58704	0.00908	0.05641	0.00090	0.47	469.0	3.0	788.0	12.0	469	36
C.026-073*	0.04535	0.00034	0.32536	0.00540	0.05203	0.00089	0.45	286.0	2.0	853.0	23.0	287	40
C.026-074*	0.04981	0.00040	0.36154	0.00669	0.05265	0.00101	0.43	313.0	2.0	1071.0	84.0	314	45
C.026-075*	0.17443	0.00114	1.77578	0.02008	0.07384	0.00085	0.58	1036.0	6.0	279.0	24.0	1037	24
C.026-076*	0.07507	0.00053	0.58842	0.00855	0.05685	0.00086	0.49	467.0	3.0	461.0	13.0	486	34
C.026-078*	0.09459	0.00097	0.77567	0.01949	0.05949	0.00154	0.41	583.0	6.0	910.0	10.0	585	58
C.026-081*	0.15347	0.00132	1.67415	0.03097	0.07913	0.00151	0.31	915.0	8.0	284.0	7.0	1061	62
C.026-084*	0.28048	0.00290	3.84722	0.09295	0.09951	0.00250	0.43	1594.0	15.0	1025.0	17.0	1615	48
C.026-085*	0.06244	0.00065	0.46876	0.01291	0.05446	0.00156	0.38	390.0	4.0	304.0	8.0	390	66
C.026-087*	0.06281	0.00061	0.47200	0.01148	0.05451	0.00137	0.40	393.0	4.0	1071.0	9.0	392	58
C.026-092*	0.10004	0.00168	0.82900	0.04028	0.06012	0.00304	0.35	615.0	10.0	565.0	13.0	608	112
C.026-093*	0.10302	0.00147	0.86518	0.03227	0.06091	0.00235	0.38	632.0	9.0	976.0	13.0	636	85
C.026-095*	0.12959	0.00160	1.16801	0.03594	0.06538	0.00210	0.40	786.0	9.0	312.0	7.0	787	69
C.026-099*	0.08898	0.00070	0.71760	0.01281	0.05850	0.00108	0.44	550.0	4.0	264.0	11.0	549	41
C.026-104*	0.10916	0.00090	0.92977	0.01708	0.06179	0.00118	0.45	668.0	5.0	979.0	14.0	667	42

Grain	Corrected Ratios				Corrected Ages (Ma)								
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Rho	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
C.026-107*	0.13828	0.00133	1.27580	0.02919	0.06693	0.00160	0.42	835.0	8.0	711.0	9.0	836	51
C.026-109*	0.05890	0.00049	0.43846	0.00863	0.05400	0.00110	0.42	369.0	3.0	289.0	10.0	371	47
C.026-110*	0.10337	0.00114	0.86614	0.02394	0.06078	0.00176	0.40	634.0	7.0	284.0	12.0	631	64
C.026-111*	0.08564	0.00090	0.68455	0.01809	0.05799	0.00160	0.40	530.0	5.0	1145.0	15.0	529	62
C.026-112*	0.04507	0.00046	0.32311	0.00912	0.05200	0.00153	0.36	284.0	3.0	909.0	29.0	285	69
C.026-117*	0.17743	0.00160	1.81971	0.03718	0.07439	0.00157	0.44	1053.0	9.0	432.0	16.0	1052	44
C.026-122*	0.23103	0.00256	2.74144	0.07259	0.08607	0.00237	0.42	1340.0	13.0	1045.0	13.0	1340	54
C.026-123*	0.16655	0.00164	1.66035	0.03793	0.07231	0.00173	0.43	993.0	9.0	788.0	12.0	995	50
C.026-125	0.04296	0.00034	0.30695	0.00553	0.05182	0.00097	0.44	271.0	2.0	853.0	23.0	277	44
C.026-127*	0.16497	0.00204	1.63365	0.05042	0.07182	0.00232	0.40	984.0	11.0	1071.0	84.0	981	67
C.026-128*	0.08100	0.00099	0.63574	0.01958	0.05693	0.00183	0.40	502.0	6.0	279.0	24.0	489	73
C.026-128 2nd domain*	0.16978	0.00252	1.70608	0.06573	0.07295	0.00294	0.39	1011.0	14.0	461.0	13.0	1013	84
C.026-129*	0.08092	0.00056	0.63891	0.00859	0.05727	0.00079	0.51	502.0	3.0	910.0	10.0	502	31
C.026-130*	0.04876	0.00037	0.35329	0.00618	0.05255	0.00096	0.43	307.0	2.0	284.0	7.0	309	43
C.026-131*	0.06829	0.00078	0.52175	0.01539	0.05542	0.00171	0.39	426.0	5.0	1025.0	17.0	429	70
C.026-132*	0.16735	0.00155	1.66974	0.03368	0.07237	0.00152	0.46	997.0	9.0	304.0	8.0	996	44
C.026-134	0.04267	0.00030	0.30455	0.00434	0.05177	0.00076	0.49	269.0	2.0	1071.0	9.0	275	34
C.026-135*	0.49078	0.00404	11.65507	0.18542	0.17223	0.00285	0.52	2574.0	17.0	565.0	13.0	2579	28
C.026-136*	0.07978	0.00053	0.62761	0.00759	0.05706	0.00071	0.55	495.0	3.0	976.0	13.0	494	28
C.026-137*	0.05073	0.00053	0.36828	0.00993	0.05267	0.00148	0.39	319.0	3.0	312.0	7.0	315	65
C.026-138*	0.09815	0.00087	0.81172	0.01609	0.06000	0.00123	0.45	604.0	5.0	264.0	11.0	604	45

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	²⁰⁶ Pb/ ²³⁸ U	±1σ	²⁰⁷ Pb/ ²³⁵ U	±1σ	²⁰⁷ Pb/ ²⁰⁶ Pb	±1σ		²⁰⁶ Pb/ ²³⁸ U	±1σ	²⁰⁷ Pb/ ²³⁵ U	±1σ	²⁰⁷ Pb/ ²⁰⁶ Pb	±1σ
Sample C029 Dacitic porphyry 7683700N - 507000E (Central) - Tetas de Copaquire dacitic porphyry. U-Pb age by weighted average = 40.0 ± 0.3 Ma (n=23/32) - MSWD = 1.7													
C.029-001*	0.00662	0.00011	0.04312	0.00292	0.04722	0.00329	0.25	42.5	0.7	43.0	3.0	60	155
C.029-002	0.00626	0.00010	0.04066	0.00219	0.04714	0.00264	0.30	40.2	0.6	40.0	2.0	56	123
C.029-003	0.00623	0.00011	0.04048	0.00270	0.04715	0.00325	0.26	40.0	0.7	40.0	3.0	57	153
C.029-004	0.00622	0.00012	0.04067	0.00259	0.04747	0.00315	0.30	40.0	0.8	40.0	3.0	73	147
C.029-005	0.00636	0.00010	0.04117	0.00218	0.04696	0.00258	0.30	40.9	0.6	41.0	2.0	47	120
C.029-006	0.00637	0.00013	0.04119	0.00412	0.04691	0.00479	0.20	40.9	0.8	41.0	4.0	45	214
C.029-007	0.00615	0.00008	0.03974	0.00162	0.04684	0.00199	0.32	39.5	0.5	40.0	2.0	41	92
C.029-007_2nd_domain*	0.04686	0.00071	0.33803	0.01413	0.05232	0.00229	0.36	295	4	296	11	299	102
C.029-008	0.00625	0.00009	0.04078	0.00207	0.04729	0.00247	0.28	40.2	0.6	41.0	2.0	64	115
C.029-009*	0.00664	0.00013	0.04281	0.00310	0.04677	0.00349	0.27	42.7	0.8	43.0	3.0	37	166
C.029-012*	0.00657	0.00012	0.04269	0.00387	0.04714	0.00436	0.20	42.2	0.8	42.0	4.0	56	205
C.029-013	0.00609	0.00007	0.03960	0.00122	0.04717	0.00151	0.37	39.1	0.4	39.0	1.0	58	71
C.029-014	0.00630	0.00008	0.04057	0.00139	0.04674	0.00167	0.37	40.5	0.5	40.0	1.0	36	77
C.029-015	0.00623	0.00006	0.04045	0.00111	0.04709	0.00134	0.35	40.0	0.4	40.0	1.0	54	63
C.029-016*	0.01097	0.00026	0.07257	0.00620	0.04799	0.00425	0.28	70.0	2.0	71.0	6.0	99	199
C.029-017	0.00611	0.00007	0.04023	0.00144	0.04775	0.00178	0.32	39.3	0.4	40.0	1.0	87	84
C.029-018	0.00640	0.00015	0.04129	0.00523	0.04681	0.00602	0.19	41.1	1.0	41.0	5.0	40	256
C.029-019	0.00626	0.00011	0.04032	0.00242	0.04674	0.00291	0.29	40.2	0.7	40.0	2.0	36	137
C.029-021*	0.00662	0.00011	0.04312	0.00292	0.04673	0.00245	0.24	42.7	0.5	43.0	2.0	35	114
C.029-022	0.00626	0.00010	0.04066	0.00219	0.04670	0.00240	0.32	40.7	0.6	41.0	2.0	34	112
C.029-022_2nd_domain*	0.00623	0.00011	0.04048	0.00270	0.05227	0.00305	0.33	303.0	5.0	302.0	15.0	297	136

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
C.029-024	0.00622	0.00012	0.04067	0.00259	0.04715	0.00135	0.36	39.0	0.4	39.0	1.0	57	64
C.029-026	0.00662	0.00011	0.04312	0.00292	0.04675	0.00457	0.24	39.8	0.9	43.0	3.0	36	212
C.029-027	0.00626	0.00010	0.04066	0.00219	0.04685	0.00322	0.26	40.3	0.7	40.0	2.0	42	152
C.029-028	0.00623	0.00011	0.04048	0.00270	0.04680	0.00236	0.29	41.1	0.6	40.0	3.0	39	110
C.029-029*	0.00622	0.00012	0.04067	0.00259	0.04665	0.00613	0.30	43.0	2.0	40.0	3.0	31	251
C.029-029_2nd_domain*	0.00636	0.00010	0.04117	0.00218	0.05355	0.00394	0.34	353.0	8.0	41.0	2.0	352	170
C.029-032	0.00637	0.00013	0.04119	0.00412	0.04750	0.00197	0.32	40.1	0.5	41.0	4.0	74	92
C.029-033	0.00615	0.00008	0.03974	0.00162	0.04676	0.00231	0.27	39.2	0.5	40.0	2.0	37	107
C.029-034	0.00625	0.00009	0.04078	0.00207	0.04646	0.00232	0.33	40.5	0.6	41.0	2.0	22	108
C.029-035*	0.00664	0.00013	0.04281	0.00310	0.04730	0.00670	0.24	42.0	1.0	43.0	3.0	64	268
C.029-036	0.00657	0.00012	0.04269	0.00387	0.04694	0.00333	0.26	40.0	0.7	42.0	4.0	46	157
C.029-037	0.00609	0.00007	0.03960	0.00122	0.04702	0.00183	0.33	41.3	0.5	39.0	1.0	50	85

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
Sample ST002 Dioritic porphyry 7676385N - 508532E (South) - Paguana dioritic porphyry. U-Pb age by weighted average = 41.6 ± 0.2 Ma (26/31) - MSWD = 1.4													
ST-002-001	0.00658	0.00007	0.04392	0.00120	0.04840	0.00137	0.39	42.3	0.4	44.0	1.0	119	68
ST-002-002	0.00658	0.00006	0.04383	0.00110	0.04832	0.00125	0.36	42.3	0.4	44.0	1.0	115	62
ST-002-003*	0.08037	0.00075	0.63756	0.01208	0.05739	0.00113	0.49	498.0	4.0	501.0	7.0	507	44
ST-002-004	0.00647	0.00005	0.04152	0.00092	0.04658	0.00106	0.35	41.6	0.3	41.3	0.9	28	49
ST-002-006	0.00645	0.00007	0.04156	0.00124	0.04676	0.00144	0.36	41.4	0.4	41.0	1.0	37	66
ST-002-008	0.00654	0.00009	0.04288	0.00179	0.04752	0.00206	0.33	42.0	0.6	43.0	2.0	75	96
ST-002-009	0.00638	0.00009	0.04351	0.00178	0.04943	0.00210	0.34	41.0	0.6	43.0	2.0	168	99
ST-002-011	0.00689	0.00009	0.09816	0.00252	0.10331	0.00287	0.26	41.9	0.6	55.0	3.0	682	135
ST-002-012	0.00643	0.00006	0.04276	0.00100	0.04822	0.00116	0.40	41.3	0.4	42.5	1.0	110	58
ST-002-014	0.00648	0.00007	0.04309	0.00122	0.04827	0.00142	0.38	41.6	0.4	43.0	1.0	113	69
ST-002-015	0.00640	0.00005	0.04299	0.00099	0.04874	0.00115	0.34	41.1	0.3	42.7	1.0	135	57
ST-002-016	0.00641	0.00006	0.04306	0.00102	0.04869	0.00119	0.40	41.2	0.4	42.8	1.0	133	59
ST-002-017	0.00660	0.00007	0.04363	0.00152	0.04797	0.00173	0.30	42.4	0.4	43.0	1.0	98	82
ST-002-018	0.00646	0.00006	0.04304	0.00112	0.04836	0.00130	0.36	41.5	0.4	43.0	1.0	117	64
ST-002-022	0.00645	0.00006	0.04215	0.00126	0.04740	0.00146	0.31	41.4	0.4	42.0	1.0	69	69
ST-002-023	0.00644	0.00006	0.04326	0.00112	0.04875	0.00130	0.36	41.4	0.4	43.0	1.0	136	64
ST-002-025	0.00637	0.00008	0.04310	0.00175	0.04905	0.00207	0.31	40.9	0.5	43.0	2.0	150	98
ST-002-034	0.00650	0.00007	0.04266	0.00121	0.04764	0.00140	0.38	41.8	0.4	42.0	1.0	81	67
ST-002-036	0.00656	0.00006	0.04255	0.00091	0.04704	0.00104	0.43	42.2	0.4	42.3	0.9	51	50
ST-002-037c	0.00645	0.00005	0.04230	0.00083	0.04755	0.00096	0.40	41.4	0.3	42.1	0.8	77	48
ST-002-037r	0.00653	0.00007	0.04559	0.00146	0.05061	0.00168	0.33	42.0	0.4	45.0	1.0	223	79

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
ST-002-040	0.00653	0.00006	0.04239	0.00111	0.04706	0.00127	0.35	42.0	0.4	42.0	1.0	52	60
ST-002-045	0.00656	0.00004	0.04542	0.00061	0.05019	0.00069	0.45	42.2	0.3	44.0	1.0	204	33
ST-002-046*	0.00750	0.00008	0.08892	0.00212	0.08601	0.00219	0.24	45.8	0.5	44.0	1.0	25	105
ST-002-048c*	0.04842	0.00030	0.35406	0.00297	0.05303	0.00043	0.74	305.0	2.0	501.0	7.0	330	19
ST-002-048r*	0.03889	0.00024	0.28683	0.00267	0.05349	0.00049	0.66	246.0	1.0	41.3	0.9	350	21
ST-002-050*	0.00674	0.00013	0.04750	0.00280	0.05114	0.00315	0.33	43.3	0.8	41.0	1.0	247	143
ST-002-052	0.00637	0.00009	0.04274	0.00169	0.04865	0.00200	0.36	40.9	0.6	43.0	2.0	131	95
ST-002-053	0.00645	0.00005	0.04271	0.00087	0.04802	0.00100	0.38	41.4	0.3	43.0	2.0	100	50
ST-002-054	0.00636	0.00007	0.04371	0.00131	0.04986	0.00155	0.37	40.9	0.4	55.0	3.0	188	74
ST-002-072	0.00623	0.00006	0.04226	0.00103	0.04919	0.00125	0.40	40.0	0.4	42.5	1.0	157	61

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
Sample ST006 Granodiorite 7675894N - 511878E (South) - Camaruno granodiorite. U-Pb age by weighted average = 37.6 ± 0.3 Ma (n=4/30) - MSWD = 1.5													
ST-006-001	0.00580	0.00003	0.03785	0.00032	0.04734	0.00039	0.61	37.3	0.2	37.7	0.3	66	20
ST-006-002*	0.00634	0.00006	0.04212	0.00107	0.04820	0.00127	0.37	40.7	0.4	42.0	1.0	109	63
ST-006-003*	0.00626	0.00020	0.04056	0.00434	0.04695	0.00524	0.30	40.0	1.0	40.0	4.0	47	230
ST-006-004	0.00589	0.00004	0.03793	0.00033	0.04670	0.00039	0.78	37.9	0.3	37.8	0.3	34	20
ST-006-005	0.00586	0.00004	0.03820	0.00034	0.04726	0.00041	0.77	37.7	0.3	38.1	0.3	62	21
ST-006-006*	0.00644	0.00006	0.04196	0.00115	0.04727	0.00134	0.34	41.4	0.4	42.0	1.0	63	63
ST-006-007*	0.00662	0.00006	0.05153	0.00116	0.05646	0.00132	0.40	42.5	0.4	51.0	1.0	471	53
ST-006-008*	0.00677	0.00014	0.07004	0.00358	0.07508	0.00409	0.25	42.1	1.0	45.0	4.0	224	213
ST-006-011*	0.00640	0.00007	0.04140	0.00122	0.04695	0.00144	0.37	41.1	0.4	41.0	1.0	47	67
ST-006-012*	0.00645	0.00006	0.04231	0.00100	0.04761	0.00116	0.39	41.4	0.4	42.1	1.0	80	57
ST-006-013*	0.00680	0.00005	0.08114	0.00122	0.08655	0.00136	0.49	43.7	0.3	79.0	1.0	1350	31
ST-006-014	0.00589	0.00004	0.03824	0.00037	0.04709	0.00045	0.70	37.9	0.3	38.1	0.4	54	23
ST-006-020*	0.00634	0.00007	0.04151	0.00119	0.04749	0.00141	0.39	40.7	0.4	41.0	1.0	74	67
ST-006-022*	0.00618	0.00009	0.04209	0.00175	0.04944	0.00215	0.35	39.7	0.6	42.0	2.0	169	101
ST-006-023*	0.00642	0.00016	0.04208	0.00327	0.04751	0.00385	0.32	41.0	1.0	42.0	3.0	75	181
ST-006-024*	0.00650	0.00009	0.05023	0.00177	0.05606	0.00207	0.39	41.8	0.6	50.0	2.0	455	84
ST-006-025*	0.00667	0.00005	0.08116	0.00121	0.08820	0.00139	0.13	40.8	0.4	43.0	3.0	194	172
ST-006-026*	0.00669	0.00013	0.10277	0.00424	0.11145	0.00499	0.47	43.0	0.8	99.0	4.0	1823	83
ST-006-027*	0.00650	0.00005	0.04280	0.00066	0.04776	0.00075	0.50	41.8	0.3	42.6	0.6	87	38
ST-006-029*	0.00653	0.00005	0.04289	0.00080	0.04766	0.00092	0.41	42.0	0.3	42.6	0.8	82	47
ST-006-030*	0.00659	0.00010	0.04315	0.00189	0.04748	0.00217	0.35	42.3	0.6	43.0	2.0	73	101

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
ST-006-031*	0.00648	0.00005	0.04186	0.00061	0.04690	0.00070	0.53	41.6	0.3	41.6	0.6	44	35
ST-006-036*	0.00580	0.00003	0.03785	0.00032	0.04728	0.00568	0.25	42.0	1.0	42.0	5.0	63	243
ST-006-037*	0.00634	0.00006	0.04212	0.00107	0.04685	0.00287	0.33	42.9	0.8	37.7	0.3	42	135
ST-006-038*	0.00626	0.00020	0.04056	0.00434	0.04732	0.00150	0.35	41.8	0.4	42.0	1.0	65	71
ST-006-049*	0.00589	0.00004	0.03793	0.00033	0.04646	0.00323	0.24	39.8	0.6	40.0	4.0	22	154
ST-006-053*	0.00586	0.00004	0.03820	0.00034	0.04755	0.00201	0.32	44.0	0.6	37.8	0.3	77	94
ST-006-059*	0.00644	0.00006	0.04196	0.00115	0.04819	0.00068	0.45	41.5	0.3	38.1	0.3	109	34
ST-006-065*	0.00662	0.00006	0.05153	0.00116	0.04846	0.00173	0.36	41.3	0.5	42.0	1.0	122	83
ST-006-072*	0.00677	0.00014	0.07004	0.00358	0.04610	0.00205	0.30	40.2	0.5	51.0	1.0	3	95
ST-006-080*	0.00640	0.00007	0.04140	0.00122	0.04749	0.00074	0.51	41.8	0.3	45.0	4.0	74	38

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
Sample ST008 Granite 7675767N - 511346E (South) – Agua Dulce Granite. U-Pb age by weighted average = 41.7 ± 1.0 Ma (n=4/36) - MSWD = 1.9													
ST-008-001*	0.24617	0.00176	3.04911	0.03696	0.08987	0.00111	0.59	1419.0	9.0	1420.0	9.0	1423	24
ST-008-002*	0.08205	0.00067	0.97618	0.01638	0.08633	0.00152	0.23	491.0	4.0	499.0	15.0	539	86
ST-008-003*	0.02974	0.00028	0.26419	0.00548	0.06443	0.00139	0.37	187.0	2.0	211.0	5.0	487	60
ST-008-004*	0.06901	0.00060	0.73415	0.01293	0.07717	0.00141	0.28	419.0	4.0	423.0	11.0	447	74
ST-008-005*	0.02318	0.00033	0.19161	0.00713	0.05993	0.00235	0.32	147.0	2.0	162.0	6.0	398	104
ST-008-006*	0.15144	0.00122	1.50027	0.02348	0.07186	0.00115	0.51	909.0	7.0	930.0	10.0	982	33
ST-008-010*	0.14384	0.00236	1.60022	0.06502	0.08065	0.00347	0.24	851.0	14.0	843.0	41.0	822	160
ST-008-015c*	0.16654	0.00126	1.66964	0.02636	0.07271	0.00119	0.48	993.0	7.0	997.0	10.0	1006	34
ST-008-015r*	0.04951	0.00036	0.45419	0.00622	0.06655	0.00093	0.41	308.0	2.0	336.0	5.0	535	42
ST-008-018*	0.20695	0.00152	2.30388	0.03044	0.08075	0.00109	0.56	1213.0	8.0	1213.0	9.0	1215	27
ST-008-025*	0.06716	0.00064	0.52844	0.01154	0.05707	0.00129	0.44	419.0	4.0	431.0	8.0	494	51
ST-008-027*	0.09959	0.00111	1.25670	0.03250	0.09152	0.00249	0.43	612.0	7.0	826.0	15.0	1457	53
ST-008-028*	0.15966	0.00127	1.56035	0.02494	0.07089	0.00117	0.50	955.0	7.0	955.0	10.0	954	35
ST-008-029c*	0.25360	0.00195	3.19699	0.04759	0.09144	0.00140	0.52	1457.0	10.0	1456.0	12.0	1456	30
ST-008-029r*	0.00713	0.00010	0.06037	0.00229	0.06142	0.00245	0.30	45.3	0.6	51.0	2.0	312	114
ST-008-031*	0.24617	0.00176	3.04911	0.03696	0.07818	0.00122	0.51	1150.0	8.0	1150.0	10.0	1151	32
ST-008-038*	0.08205	0.00067	0.97618	0.01638	0.04530	0.00398	0.19	42.9	0.7	42.0	4.0	-4	186
ST-008-039*	0.02974	0.00028	0.26419	0.00548	0.07419	0.00154	0.47	1050.0	9.0	1049.0	13.0	1047	43
ST-008-040*	0.06901	0.00060	0.73415	0.01293	0.09140	0.00119	0.58	1418.0	9.0	1433.0	10.0	1455	25
ST-008-042*	0.02318	0.00033	0.19161	0.00713	0.07151	0.00132	0.47	961.0	7.0	964.0	11.0	972	39
ST-008-043*	0.15144	0.00122	1.50027	0.02348	0.07012	0.00114	0.58	935.0	7.0	934.0	10.0	932	34

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
ST-008-044	0.14384	0.00236	1.60022	0.06502	0.05004	0.00465	0.25	39.3	0.9	42.0	4.0	197	212
ST-008-046*	0.24617	0.00176	3.04911	0.03696	0.07298	0.00183	0.45	1014.0	10.0	1420.0	9.0	1013	52
ST-008-048	0.08205	0.00067	0.97618	0.01638	0.04676	0.00470	0.26	40.0	1.0	499.0	15.0	37	213
ST-008-050*	0.02974	0.00028	0.26419	0.00548	0.07590	0.00174	0.44	1049.0	9.0	211.0	5.0	1092	47
ST-008-057*	0.06901	0.00060	0.73415	0.01293	0.07461	0.00145	0.47	1057.0	8.0	423.0	11.0	1058	40
ST-008-070*	0.02318	0.00033	0.19161	0.00713	0.07168	0.00168	0.44	951.0	9.0	162.0	6.0	977	49
ST-008-071*	0.15144	0.00122	1.50027	0.02348	0.06930	0.00142	0.44	916.0	7.0	930.0	10.0	908	43
ST-008-075*	0.14384	0.00236	1.60022	0.06502	0.07018	0.00289	0.40	835.0	12.0	843.0	41.0	934	87
ST-008-079*	0.16654	0.00126	1.66964	0.02636	0.07183	0.00140	0.46	979.0	8.0	997.0	10.0	981	41
ST-008-090*	0.04951	0.00036	0.45419	0.00622	0.07022	0.00107	0.52	938.0	7.0	336.0	5.0	935	32
ST-008-091r	0.20695	0.00152	2.30388	0.03044	0.06399	0.00103	0.39	41.7	0.3	1213.0	9.0	19	44
ST-008-092c*	0.06716	0.00064	0.52844	0.01154	0.07479	0.00184	0.43	1066.0	10.0	431.0	8.0	1063	51
ST-008-092r	0.09959	0.00111	1.25670	0.03250	0.05166	0.00171	0.47	41.7	0.5	826.0	15.0		59
ST-008-095c*	0.15966	0.00127	1.56035	0.02494	0.07472	0.00155	0.45	1062.0	9.0	955.0	10.0	1061	43
ST-008-095r*	0.25360	0.00195	3.19699	0.04759	0.07023	0.00202	0.28	61.4	0.7	1456.0	12.0	364	98

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
Sample CP001 Rhyodacitic porphyry 7667093N - 502655E (South) - Chojas rhyodacitic porphyry. U-Pb age by weighted average = 51.0 ± 0.5 Ma (n=8/30)- MSWD = 0.31													
CP-001-001c*	0.00891	0.00009	0.05786	0.00202	0.04711	0.00169	0.29	57.2	0.6	57.0	2.0	55	79
CP-001-001r	0.00788	0.00008	0.05149	0.00162	0.04738	0.00154	0.32	50.6	0.5	51.0	2.0	68	73
CP-001-002	0.00801	0.00013	0.05223	0.00419	0.04730	0.00386	0.20	51.4	0.8	52.0	4.0	64	183
CP-001-003*	0.00891	0.00009	0.05786	0.00202	0.04727	0.00257	0.26	56.5	0.8	57.0	3.0	63	120
CP-001-004*	0.00788	0.00008	0.05149	0.00162	0.04757	0.00118	0.40	53.0	0.5	54.0	1.0	78	58
CP-001-006*	0.00801	0.00013	0.05223	0.00419	0.04709	0.00478	0.23	58.0	1.0	58.0	6.0	54	218
CP-001-007*	0.00880	0.00012	0.05731	0.00304	0.04732	0.00509	0.23	53.0	1.0	53.0	5.0	65	226
CP-001-009*	0.00826	0.00008	0.05417	0.00130	0.04739	0.00345	0.28	56.0	1.0	56.0	4.0	69	162
CP-001-010*	0.00906	0.00021	0.05885	0.00582	0.04746	0.00723	0.20	53.0	2.0	53.0	8.0	72	282
CP-001-012*	0.00821	0.00020	0.05358	0.00562	0.04766	0.00547	0.25	55.0	2.0	55.0	6.0	82	237
CP-001-020*	0.00871	0.00017	0.05691	0.00401	0.04771	0.00232	0.26	57.0	0.7	58.0	3.0	85	109
CP-001-021*	0.00823	0.00025	0.05384	0.00804	0.04703	0.00458	0.19	53.0	1.0	53.0	5.0	51	214
CP-001-022	0.00854	0.00024	0.05608	0.00626	0.04748	0.00173	0.36	51.1	0.6	52.0	2.0	73	81
CP-001-024*	0.00888	0.00011	0.05838	0.00277	0.04747	0.00443	0.21	56.0	1.0	57.0	5.0	73	207
CP-001-025*	0.00826	0.00015	0.05352	0.00513	0.06970	0.00181	0.23	625.0	7.0	631.0	22.0	653	107
CP-001-028*	0.00796	0.00010	0.05209	0.00182	0.04754	0.00363	0.21	53.2	0.8	54.0	4.0	76	171
CP-001-029	0.00875	0.00017	0.05728	0.00524	0.04751	0.00693	0.21	51.0	2.0	52.0	7.0	75	274
CP-001-032*	0.10293	0.00107	0.98884	0.02457	0.04684	0.02047	0.16	52.0	4.0	52.0	22.0	41	735
CP-001-033*	0.00829	0.00013	0.05433	0.00407	0.04745	0.00778	0.19	53.0	2.0	54.0	8.0	72	301
CP-001-034	0.00801	0.00024	0.05249	0.00749	0.04654	0.00223	0.30	51.6	0.7	51.0	2.0	26	103
CP-001-036*	0.00817	0.00057	0.05276	0.02276	0.04720	0.00286	0.25	52.6	0.8	53.0	3.0	59	134

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
CP-001-041*	0.00828	0.00026	0.05418	0.00873	0.04665	0.00620	0.22	54.0	2.0	53.0	7.0	31	254
CP-001-042*	0.00891	0.00009	0.05786	0.00202	0.04668	0.00608	0.28	55.0	2.0	54.0	7.0	33	251
CP-001-043	0.00788	0.00008	0.05149	0.00162	0.04768	0.00344	0.27	50.5	1.0	51.0	3.0	83	161
CP-001-044	0.00801	0.00013	0.05223	0.00419	0.04730	0.00440	0.27	51.0	1.0	51.0	5.0	64	206
CP-001-045*	0.00880	0.00012	0.05731	0.00304	0.04725	0.00355	0.30	59.0	1.0	59.0	4.0	62	167
CP-001-048	0.00826	0.00008	0.05417	0.00130	0.04715	0.00292	0.30	50.5	0.9	51.0	3.0	57	137
CP-001-051*	0.00906	0.00021	0.05885	0.00582	0.04704	0.00779	0.23	55.0	2.0	55.0	9.0	51	301
CP-001-060c*	0.00821	0.00020	0.05358	0.00562	0.04769	0.00284	0.31	57.0	1.0	58.0	3.0	84	132
CP-001-060r*	0.00871	0.00017	0.05691	0.00401	0.04700	0.00513	0.24	53.0	1.0	52.0	5.0	49	227

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
Sample CP008 Granodiorite 7665673N - 513927E (South) - Pequetora granodiorite. U-Pb age by weighted average = 42.8 ± 0.3 Ma (n=30/31)- MSWD = 1.4													
CP-008-001	0.00678	0.00010	0.04366	0.00252	0.04668	0.00277	0.26	43.6	0.6	43.0	2.0	33	130
CP-008-002	0.00654	0.00014	0.04220	0.00343	0.04681	0.00392	0.26	42.0	0.9	42.0	3.0	40	185
CP-008-004	0.00652	0.00008	0.04181	0.00183	0.04651	0.00210	0.28	41.9	0.5	42.0	2.0	24	97
CP-008-005	0.00659	0.00012	0.04279	0.00285	0.04710	0.00324	0.27	42.3	0.8	43.0	3.0	54	152
CP-008-009	0.00673	0.00015	0.04367	0.00340	0.04706	0.00380	0.29	43.2	1.0	43.0	3.0	52	181
CP-008-010	0.00754	0.00014	0.13510	0.00506	0.13000	0.00539	0.18	43.8	1.0	52.0	6.0	447	279
CP-008-015	0.00641	0.00012	0.04167	0.00299	0.04713	0.00348	0.26	41.2	0.8	41.0	3.0	56	164
CP-008-016	0.00689	0.00016	0.04452	0.00363	0.04684	0.00396	0.28	44.0	1.0	44.0	4.0	41	187
CP-008-017	0.00669	0.00022	0.04319	0.00664	0.04685	0.00736	0.21	43.0	1.0	43.0	6.0	42	287
CP-008-018	0.00686	0.00012	0.04476	0.00292	0.04730	0.00318	0.27	44.1	0.8	44.0	3.0	64	149
CP-008-021	0.00703	0.00019	0.04503	0.00410	0.04646	0.00440	0.30	45.0	1.0	45.0	4.0	22	205
CP-008-022	0.00672	0.00011	0.04361	0.00249	0.04709	0.00278	0.29	43.2	0.7	43.0	2.0	54	130
CP-008-024	0.00684	0.00014	0.04449	0.00344	0.04717	0.00376	0.26	43.9	0.9	44.0	3.0	58	178
CP-008-029	0.00664	0.00010	0.04295	0.00218	0.04690	0.00246	0.30	42.7	0.6	43.0	2.0	44	114
CP-008-031	0.00656	0.00013	0.04296	0.00375	0.04752	0.00425	0.23	42.2	0.8	43.0	4.0	75	198
CP-008-032	0.00677	0.00012	0.04355	0.00318	0.04668	0.00349	0.24	43.5	0.8	43.0	3.0	33	166
CP-008-033	0.00686	0.00015	0.04424	0.00386	0.04681	0.00421	0.25	44.1	1.0	44.0	4.0	40	199
CP-008-037	0.00664	0.00015	0.04375	0.00471	0.04779	0.00525	0.21	42.7	1.0	43.0	5.0	89	231
CP-008-039	0.00656	0.00014	0.04366	0.00314	0.04830	0.00362	0.30	42.2	0.9	43.0	3.0	114	169
CP-008-040	0.00669	0.00013	0.04401	0.00389	0.04768	0.00431	0.22	43.0	0.8	44.0	4.0	83	200
CP-008-041	0.00672	0.00016	0.04361	0.00443	0.04704	0.00490	0.23	43.0	1.0	43.0	4.0	51	219

Grain	Corrected Ratios						Rho	Corrected Ages (Ma)					
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$
CP-008-042*	0.02619	0.00025	0.17894	0.00486	0.04954	0.00140	0.35	167.0	2.0	167.0	4.0	173	68
CP-008-044	0.00678	0.00010	0.04366	0.00252	0.04775	0.00587	0.28	42.0	1.0	43.0	5.0	87	249
CP-008-047	0.00654	0.00014	0.04220	0.00343	0.04714	0.00380	0.28	44.2	1.0	44.0	3.0	56	180
CP-008-048	0.00652	0.00008	0.04181	0.00183	0.04746	0.00605	0.22	44.0	1.0	44.0	5.0	72	254
CP-008-051	0.00659	0.00012	0.04279	0.00285	0.04756	0.00296	0.28	41.8	0.7	42.0	3.0	77	138
CP-008-052	0.00673	0.00015	0.04367	0.00340	0.30313	0.00662	0.25	43.0	1.0	42.0	4.0		198
CP-008-055	0.00754	0.00014	0.13510	0.00506	0.04674	0.00247	0.26	42.4	0.6	42.0	2.0	36	115
CP-008-056	0.00641	0.00012	0.04167	0.00299	0.04726	0.00339	0.27	41.1	0.8	42.0	3.0	62	160
CP-008-078c	0.00689	0.00016	0.04452	0.00363	0.04759	0.00572	0.25	41.0	1.0	42.0	5.0	79	244
CP-008-078r	0.00669	0.00022	0.04319	0.00664	0.04702	0.00602	0.25	44.0	1.0	44.0	5.0	50	255

U-Pb-Th zircon dating analytical methods

MQGeoanalytical, Department of Earth and Environmental Sciences, Macquarie University, Sydney, Australia

SAMPLES:

Zircons were handpicked under binocular and mounted on double-face sticky tape before to be sealed into 1-inch epoxy resin pucks.
Pucks were then polished by hand with a 0.25 micrometre finish.

EQUIPMENT:

- Zeiss EVO-MA15 Scanning Electron Microscope (Cathodoluminescence imaging)
- Laser system Photon-Machine Excite 193 excimer with Helex II ablation chamber
- Agilent 7700x ICP-MS

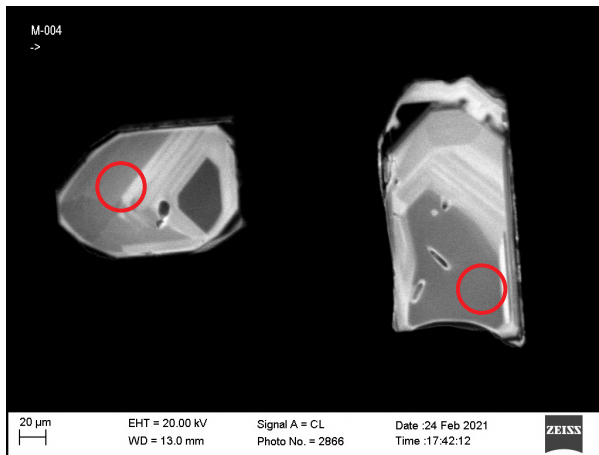
LASER PARAMETERS:

- **Carrier gas:** Helium
- **Helium flows:** MFC1: 0.45 L/min; MFC2: 0.40 L/min -> Total flow 0.85L/min
- **Laser spot diameter:** 40 micrometres for all samples except C.026 at 35 micrometres
- **Laser repetition rate:** 5 Hz
- **Fluence:** 9.45 J.cm⁻²

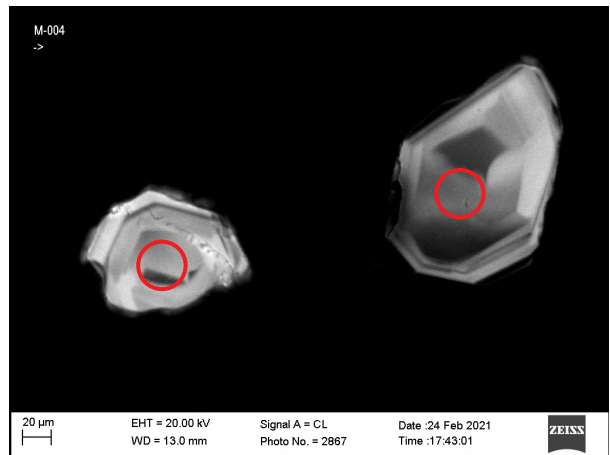
ANALYTICAL PARAMETERS:

- 60 seconds background followed by 120 seconds of ablation
- **Mass measured:** ²⁰⁴Pb; ²⁰⁶Pb; ²⁰⁷Pb; ²⁰⁸Pb; ²³²Th; ²³⁵U
- **Calibrating Reference Material:** GJ-1
- **Reference Materials:** 91500; Mud Tank (MT); Temora-II (TEM)
- **Data reduction package:** Glitter®
- **Common Lead correction:** ComPbCorr (Excel; Anderson 2002)

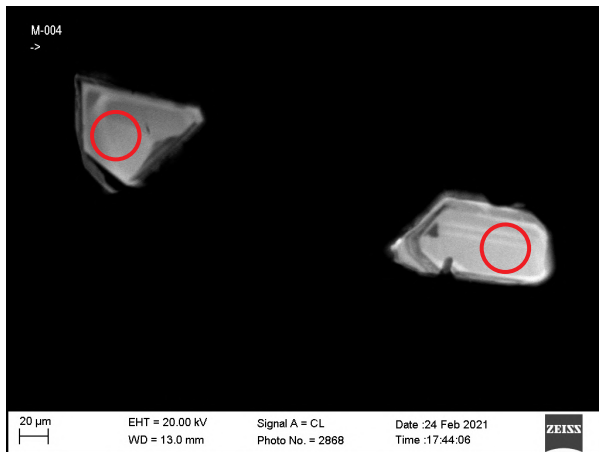
CATHODOLUMINESCENCE IMAGES



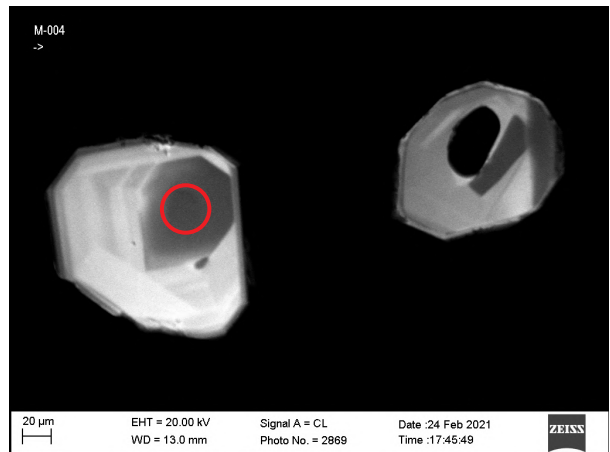
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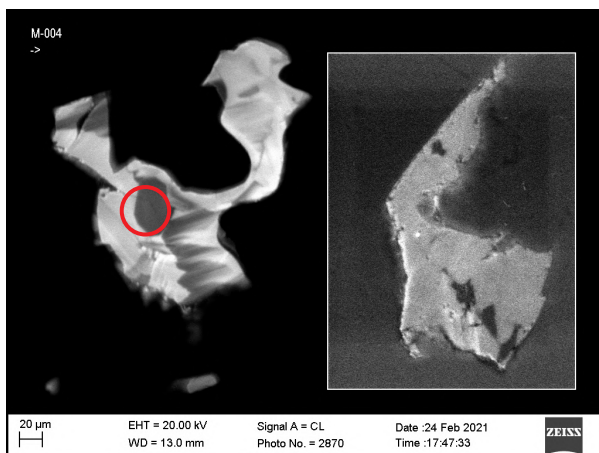
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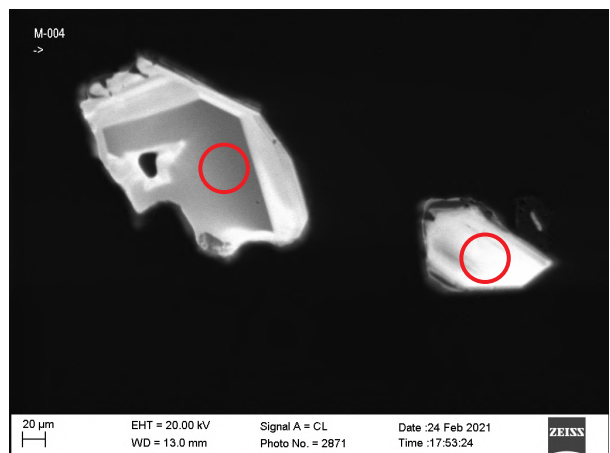
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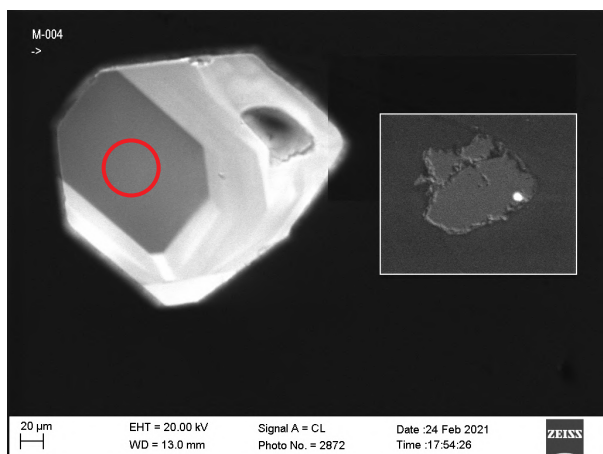
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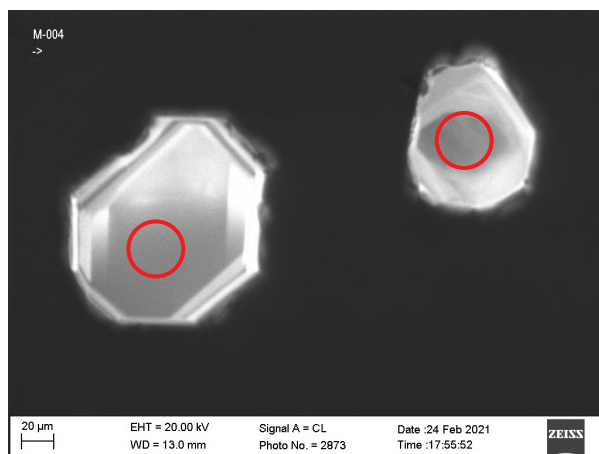
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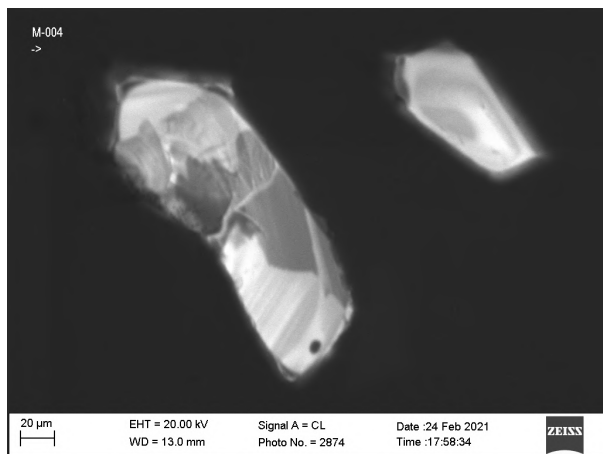
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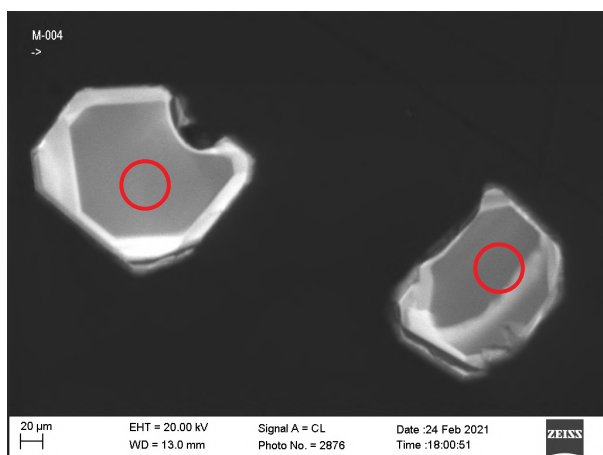
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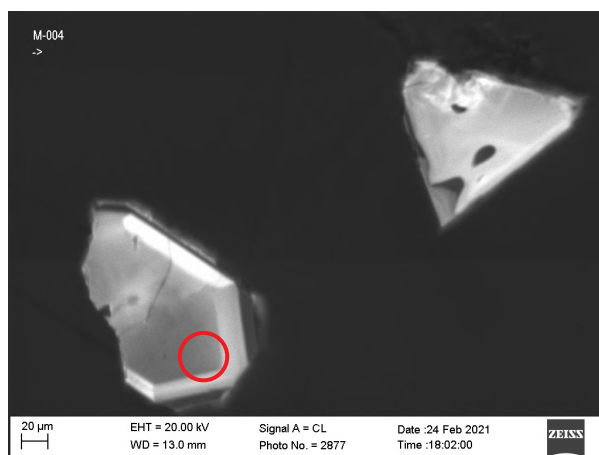
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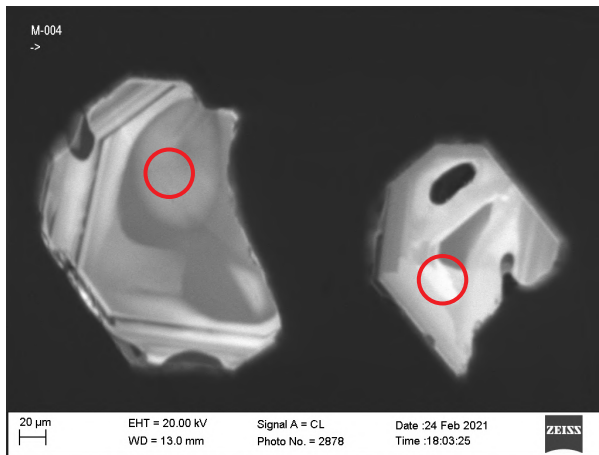
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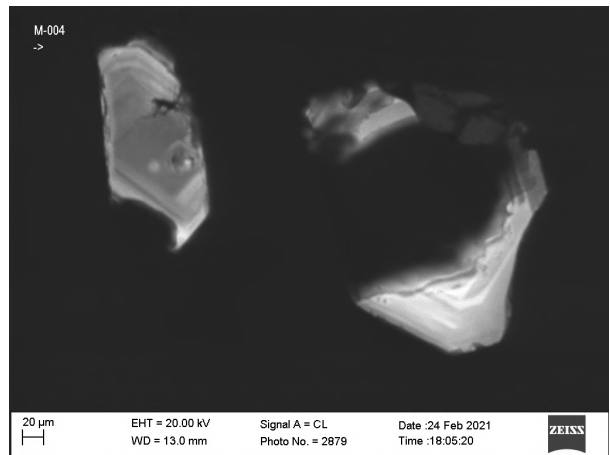
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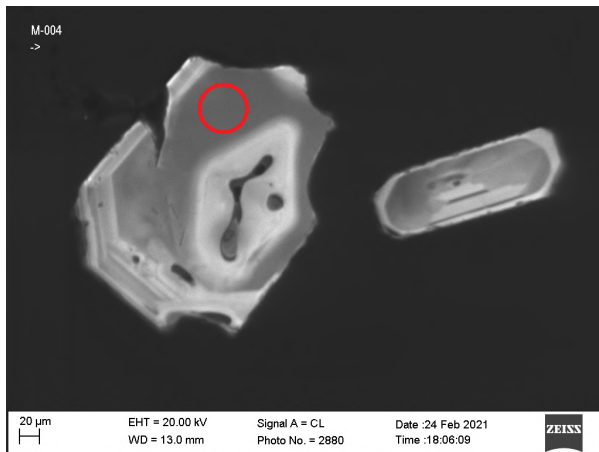
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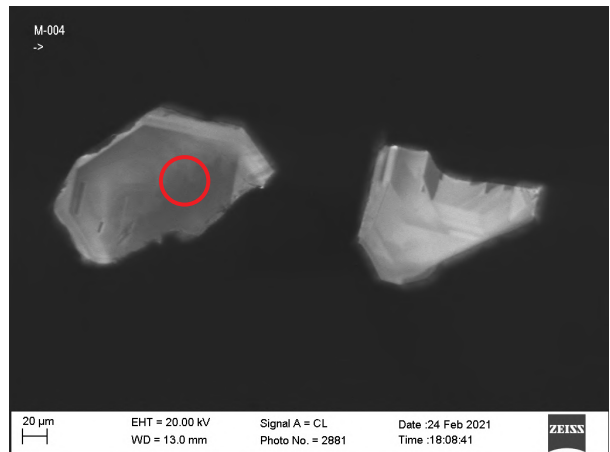
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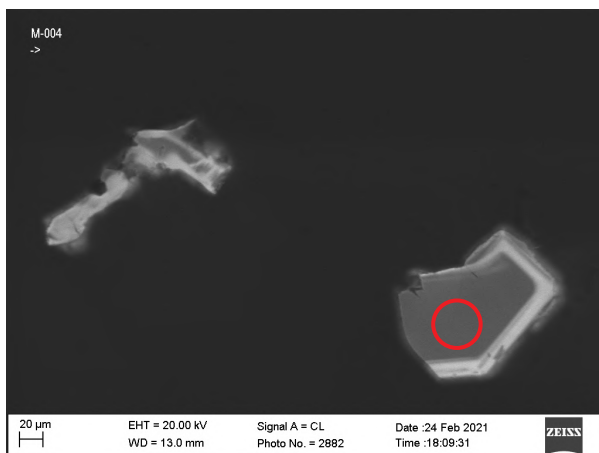
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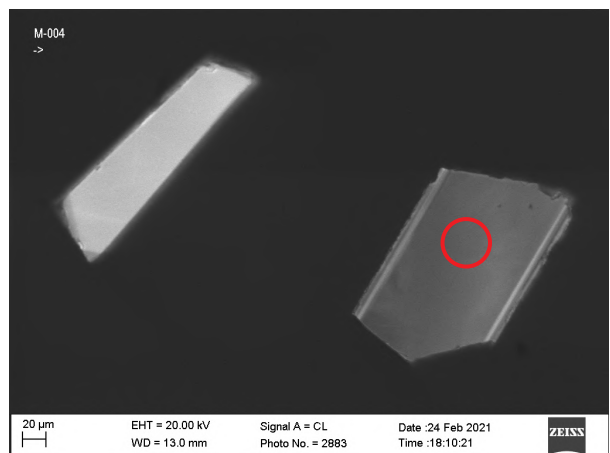
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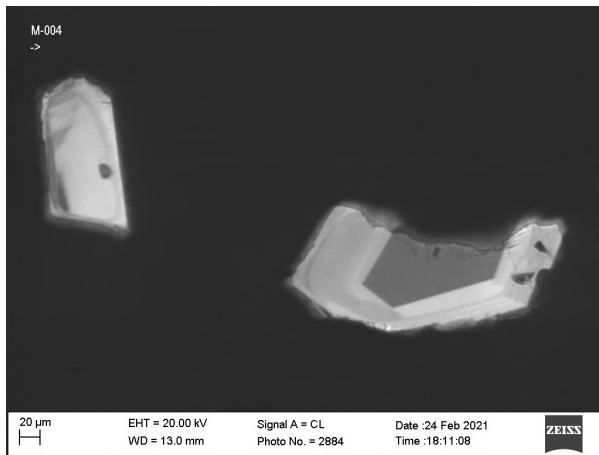
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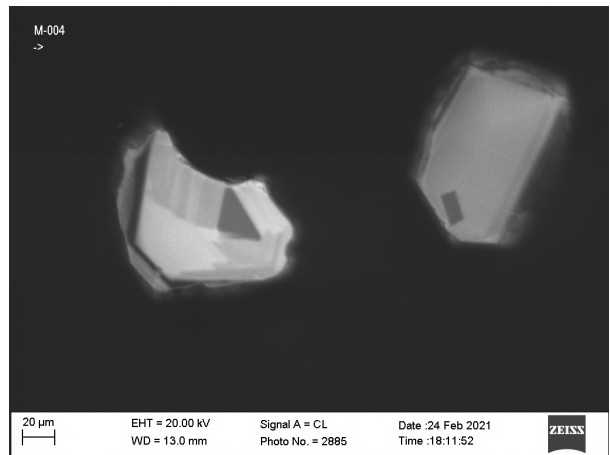
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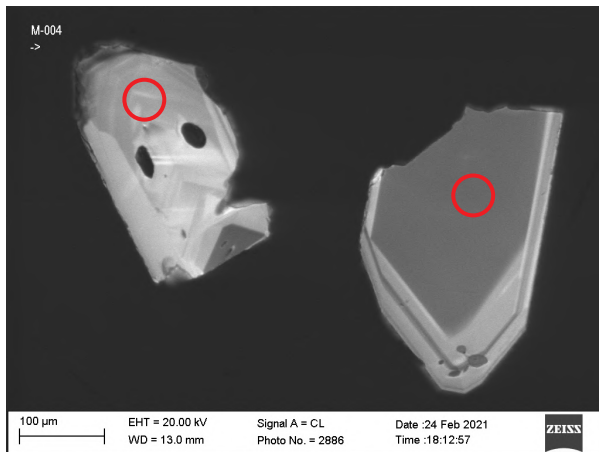
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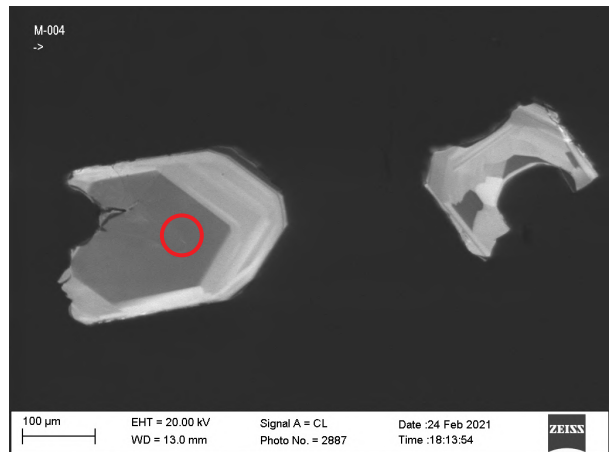
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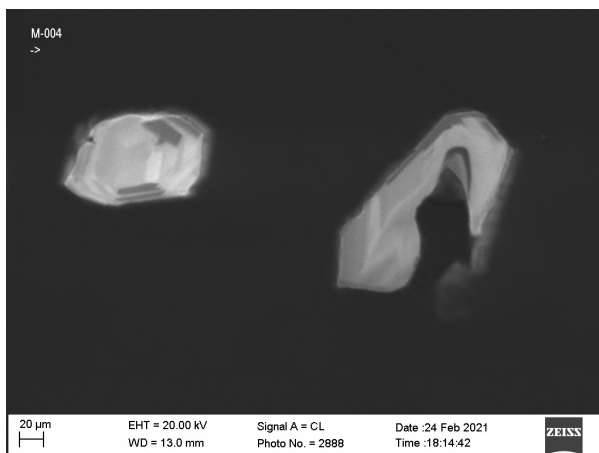
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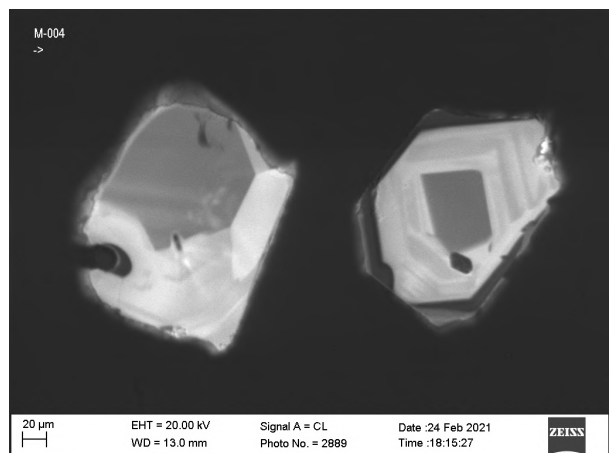
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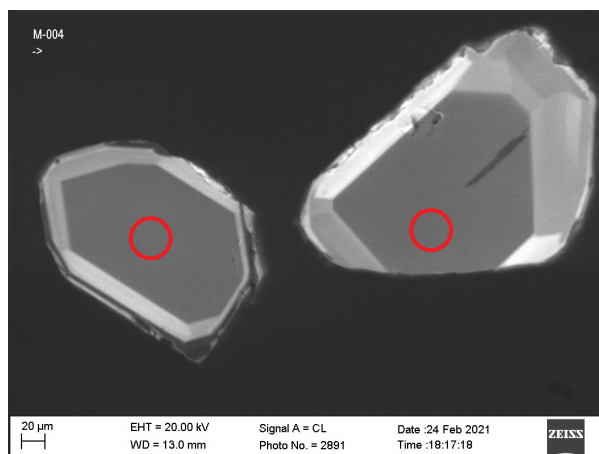
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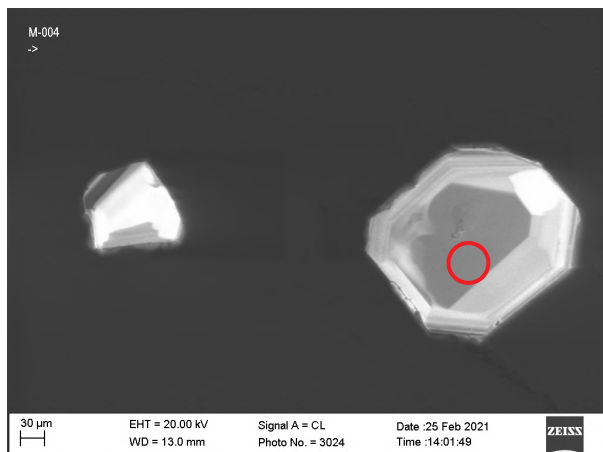
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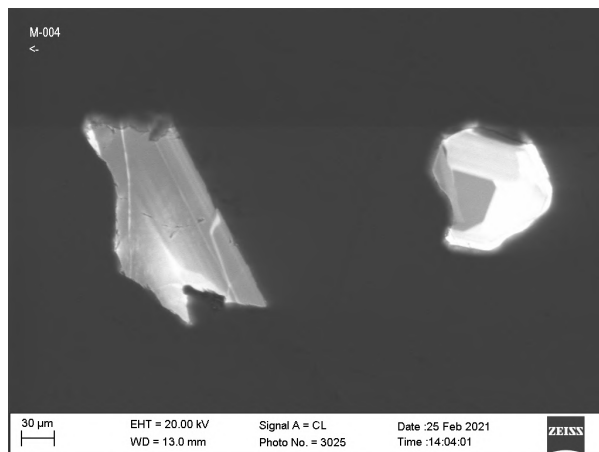
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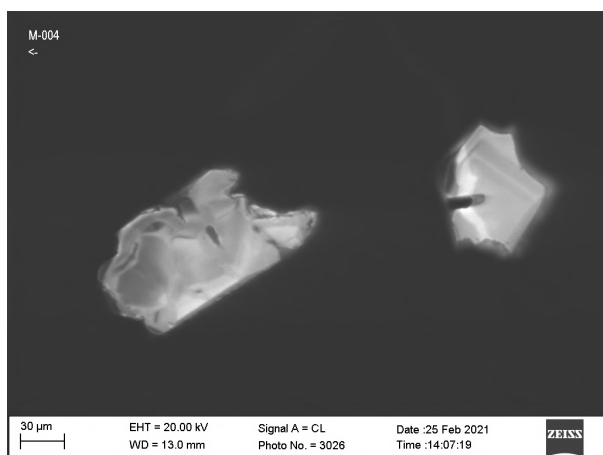
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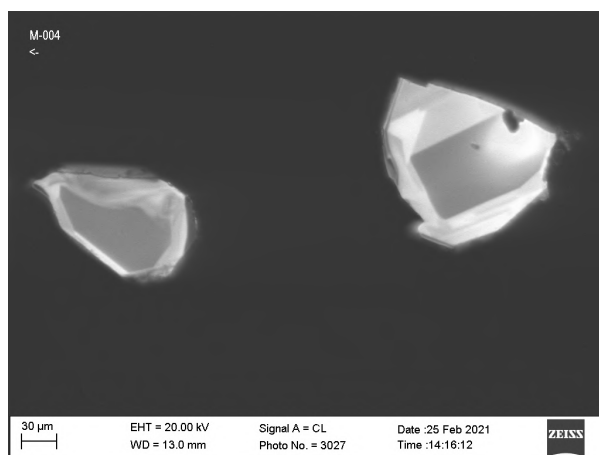
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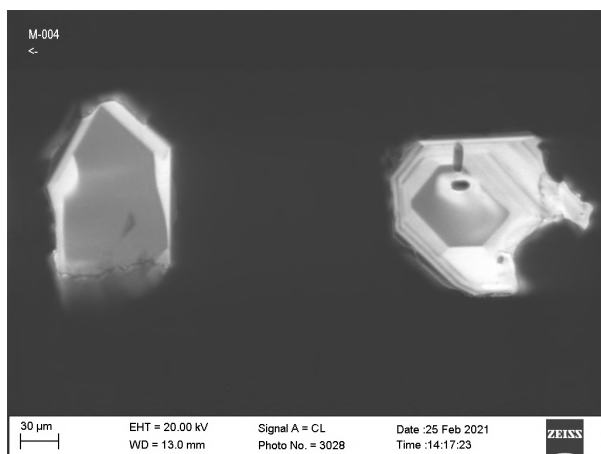
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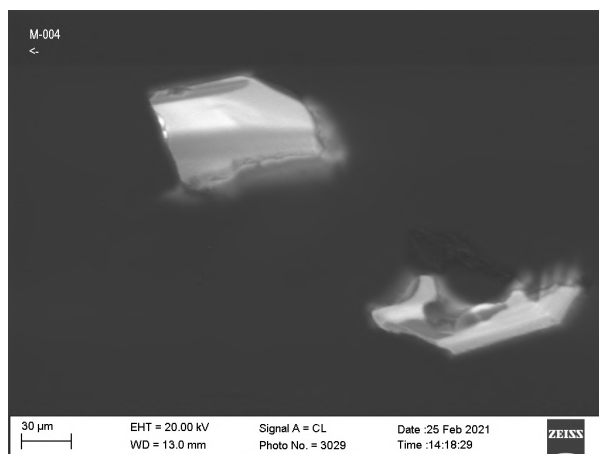
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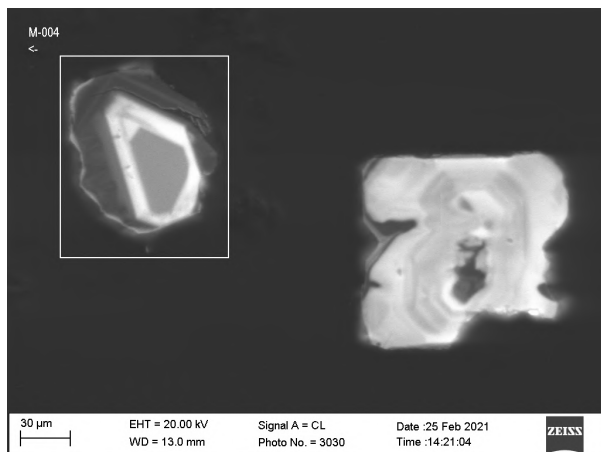
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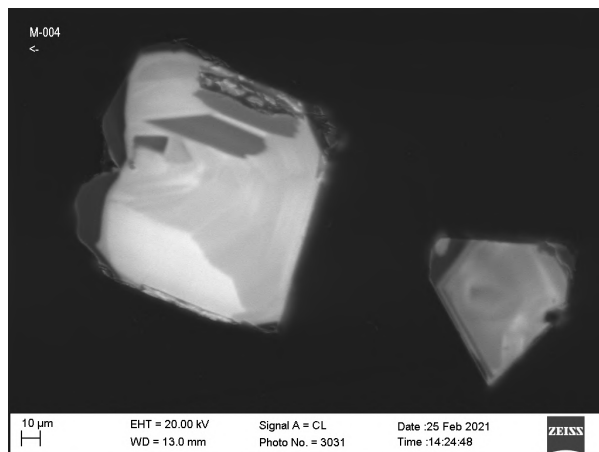
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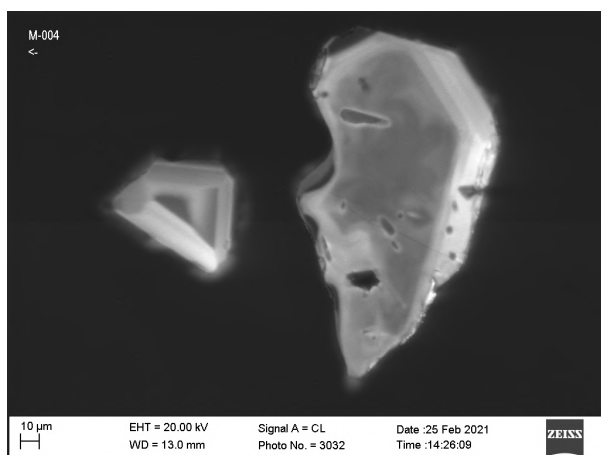
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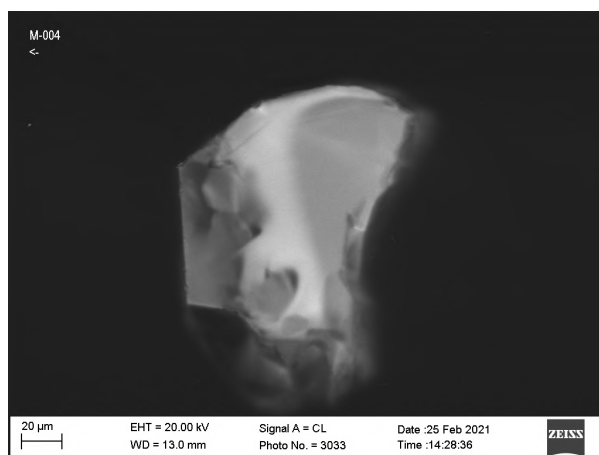
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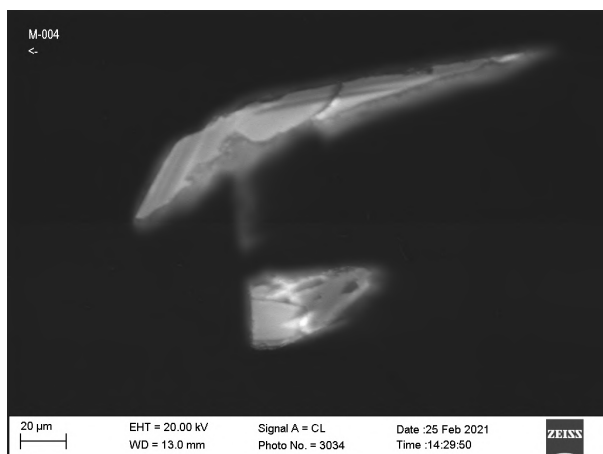
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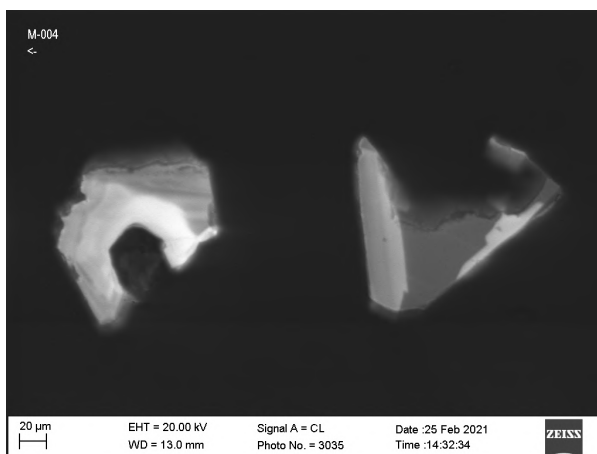
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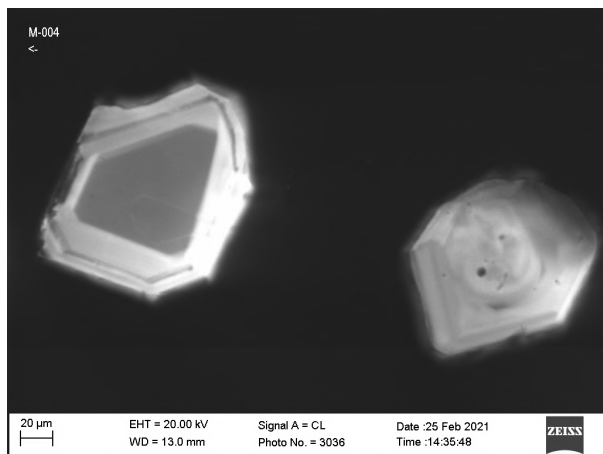
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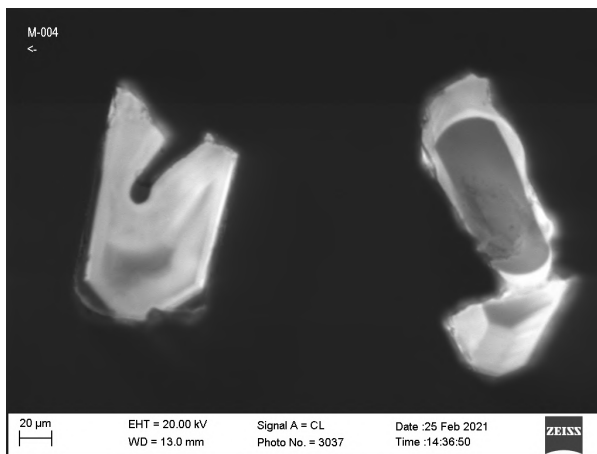
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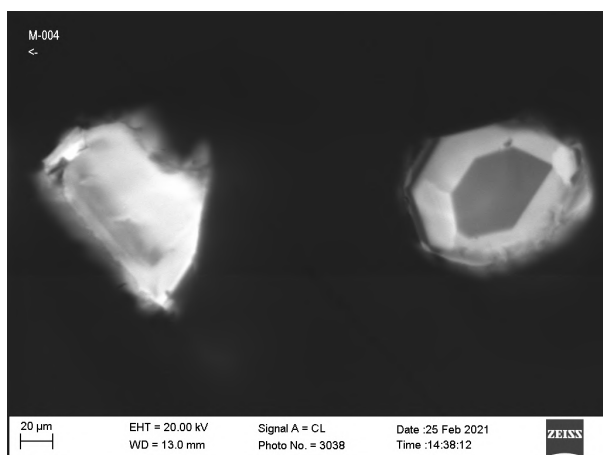
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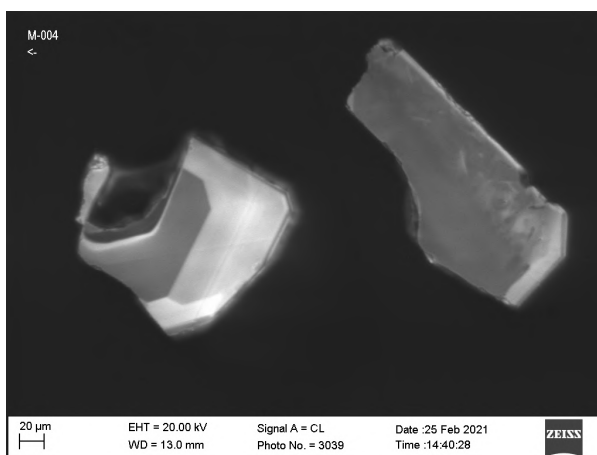
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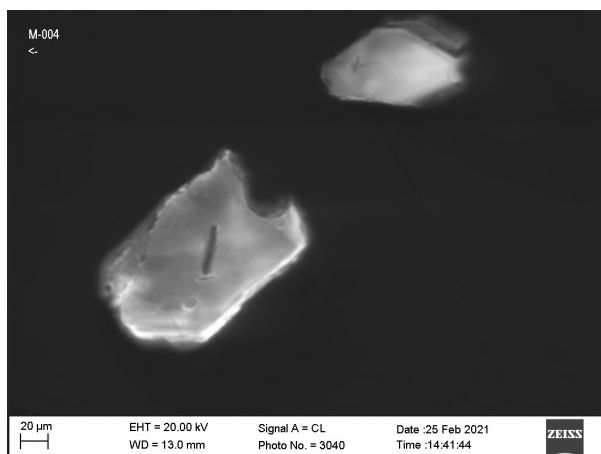
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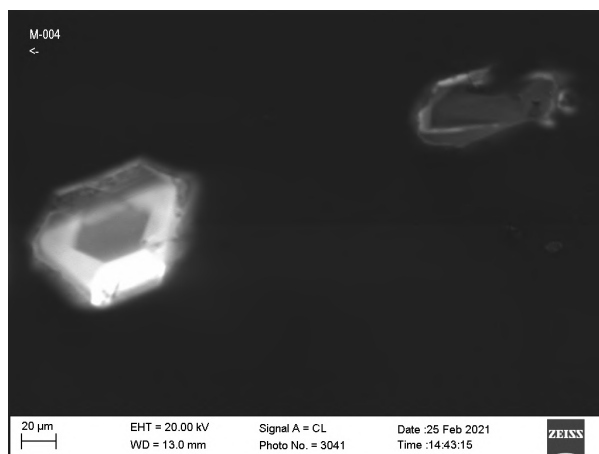
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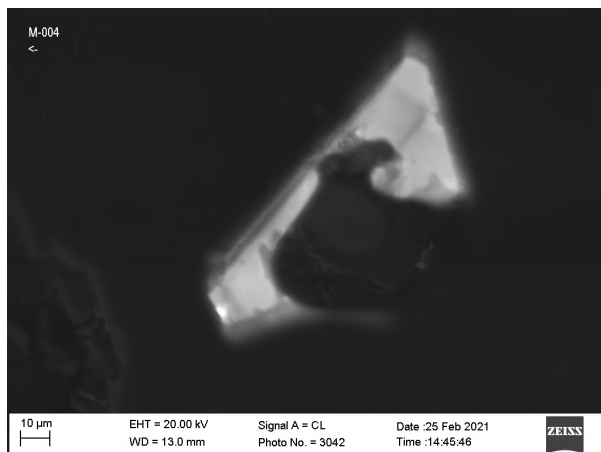
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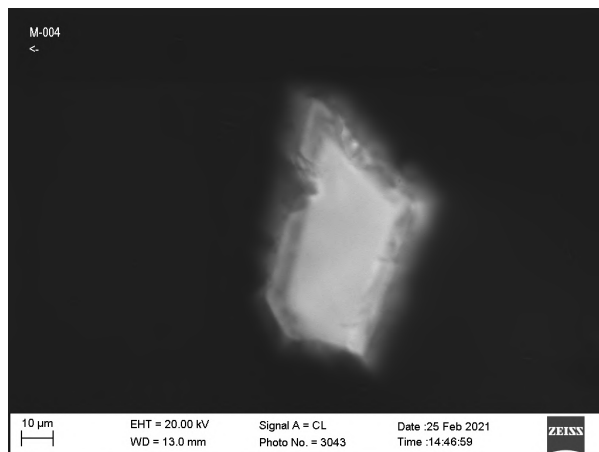
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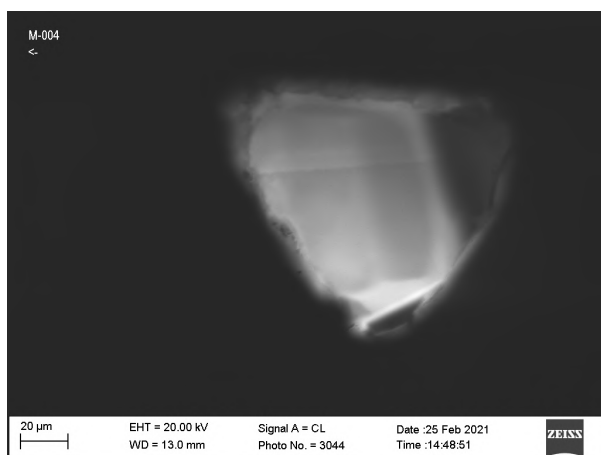
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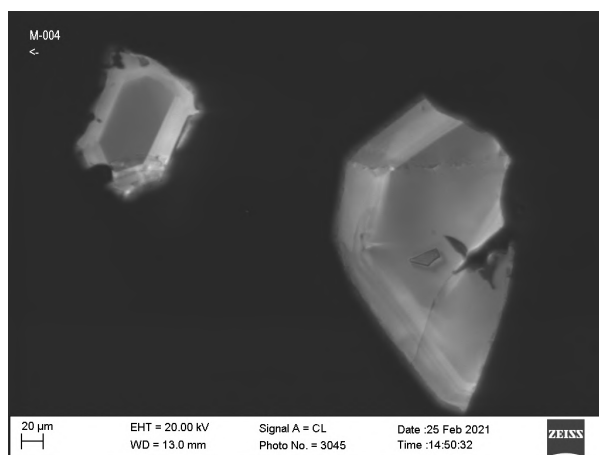
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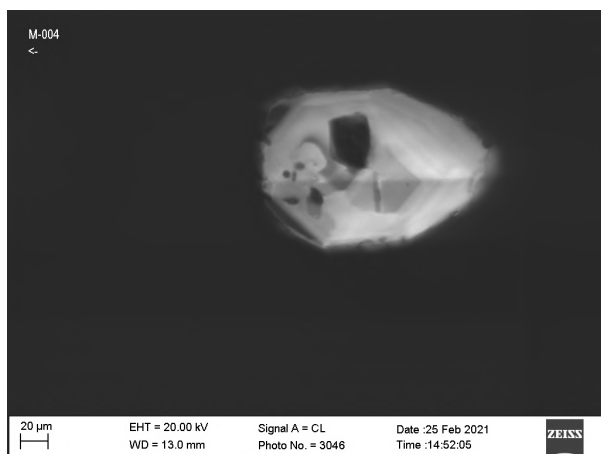
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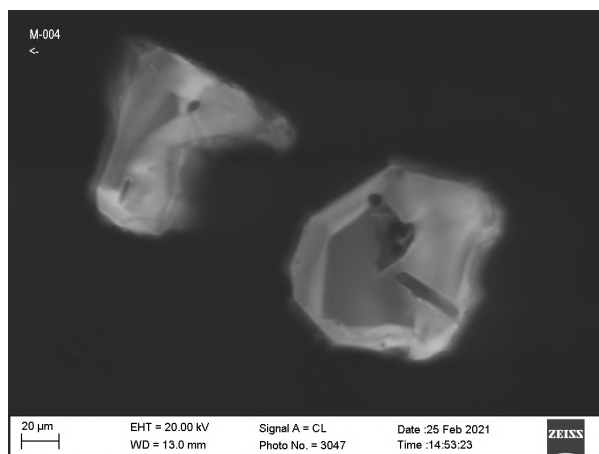
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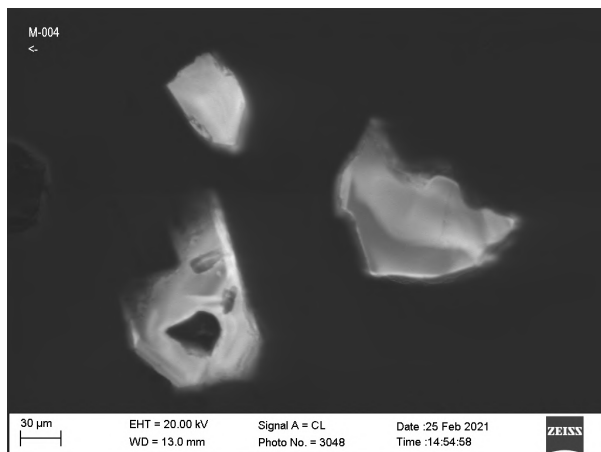
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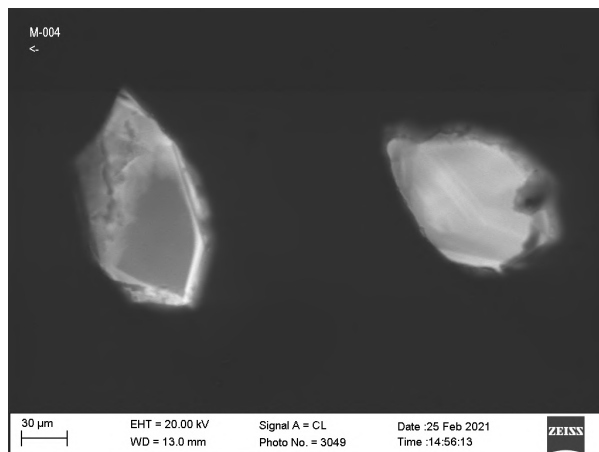
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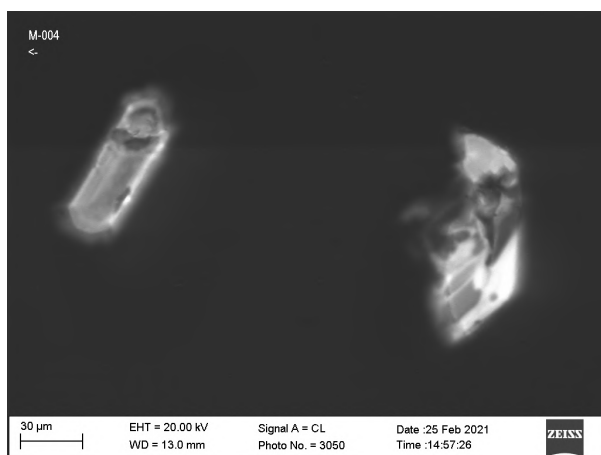
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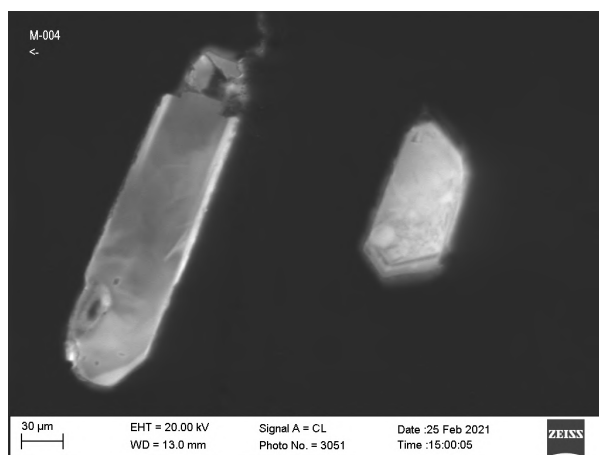
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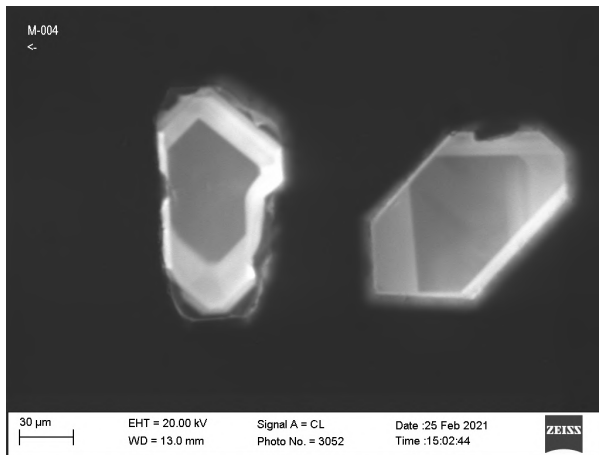
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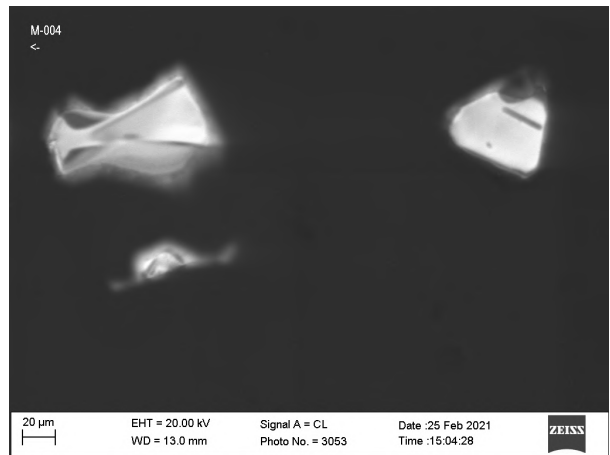
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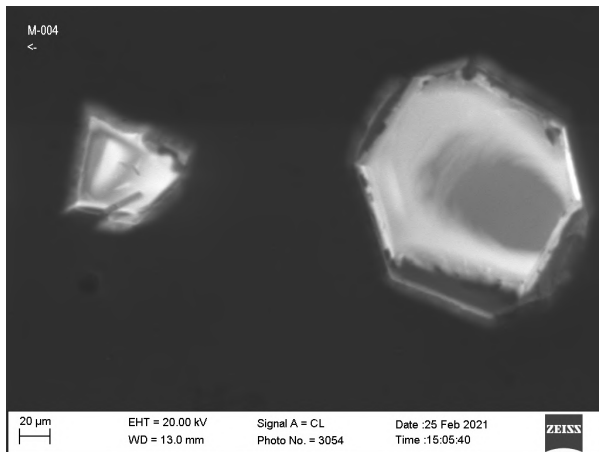
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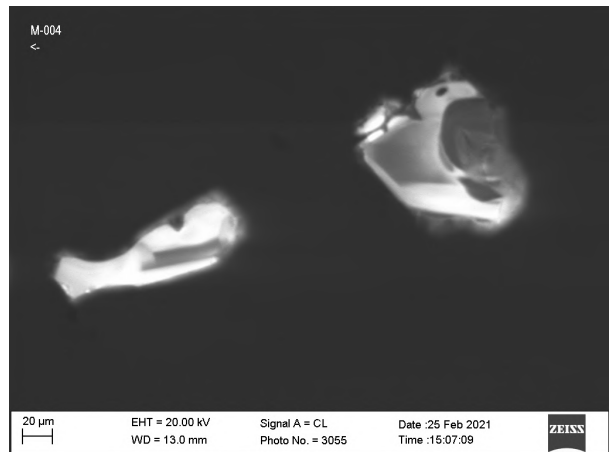
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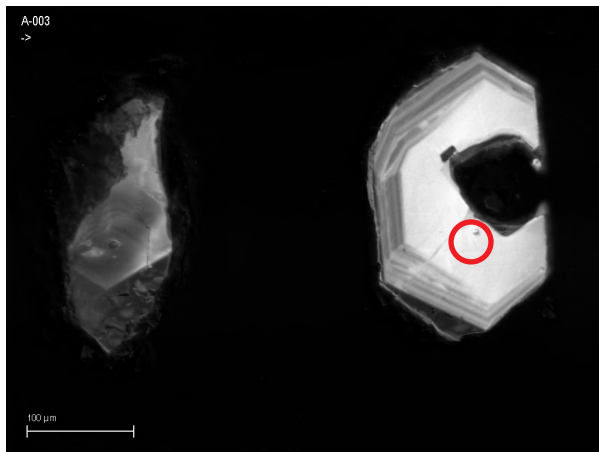
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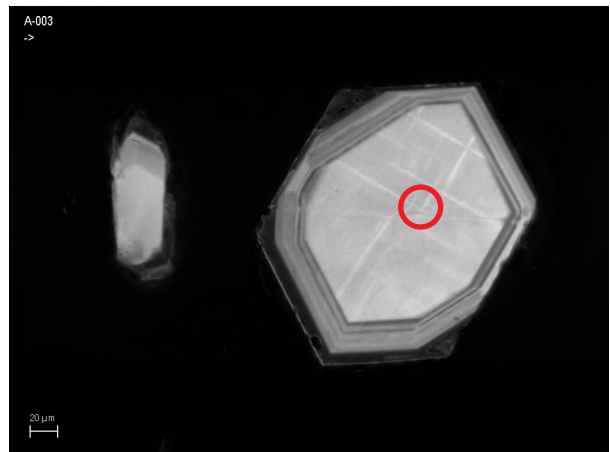
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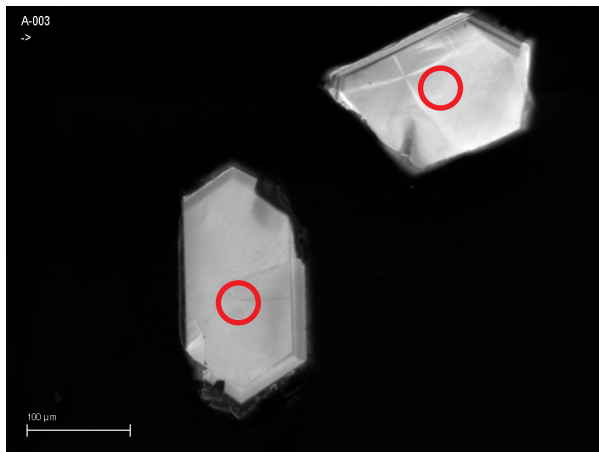
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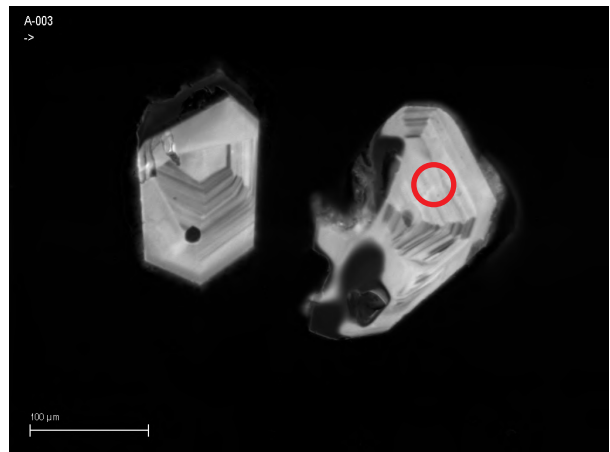
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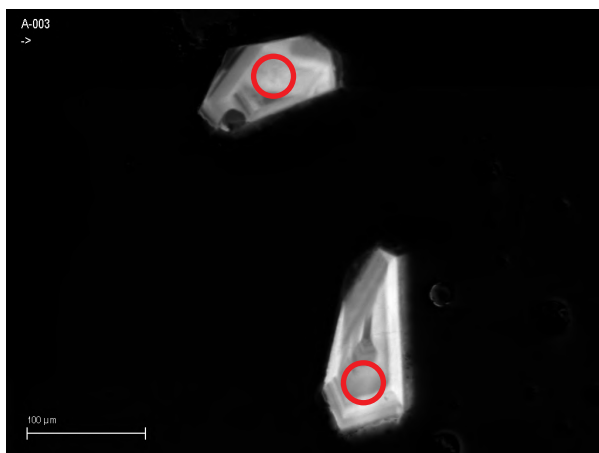
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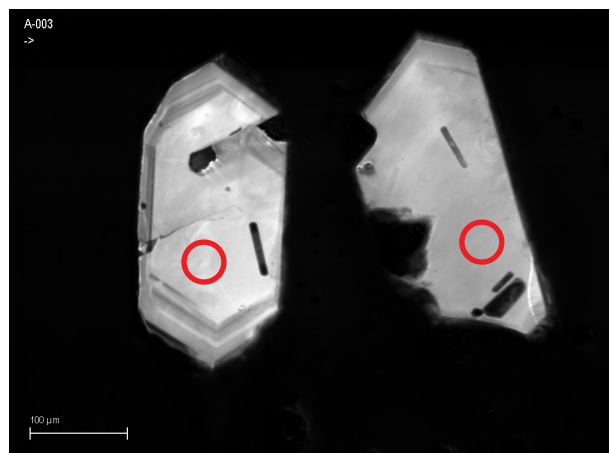
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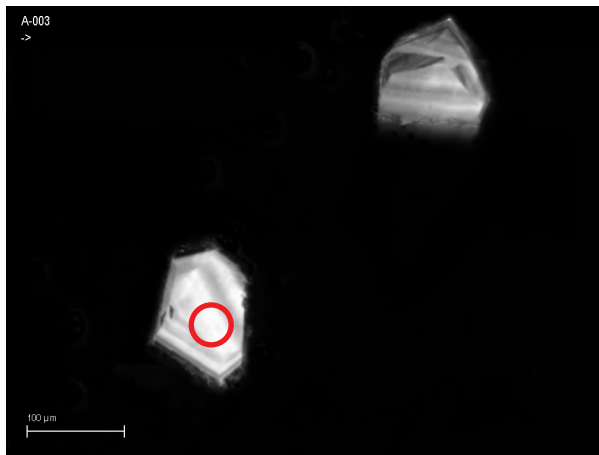
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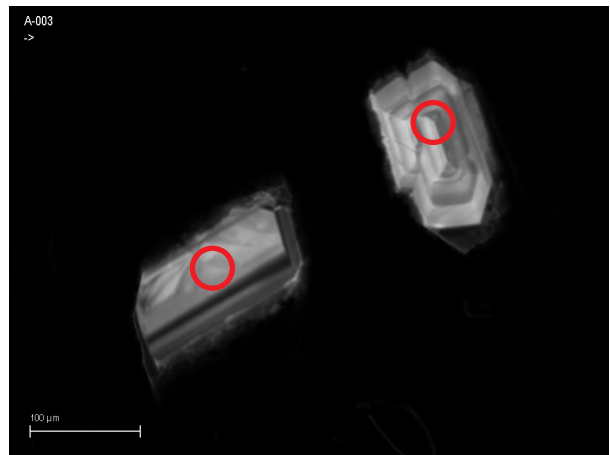
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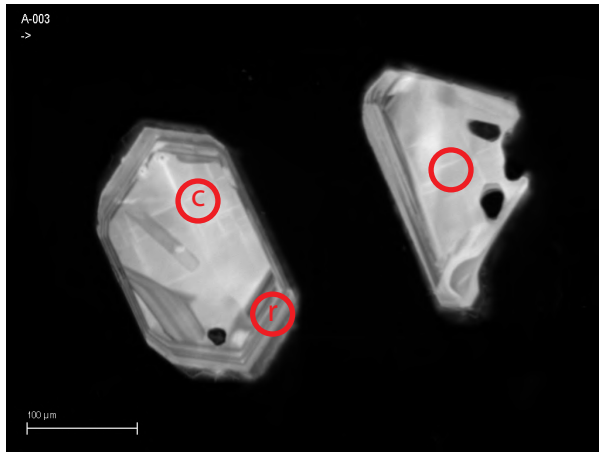
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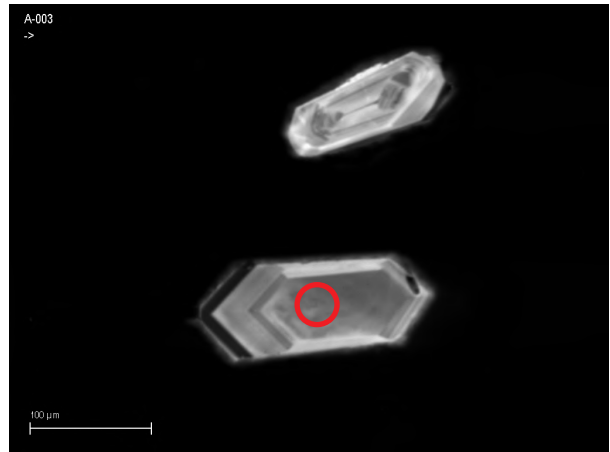
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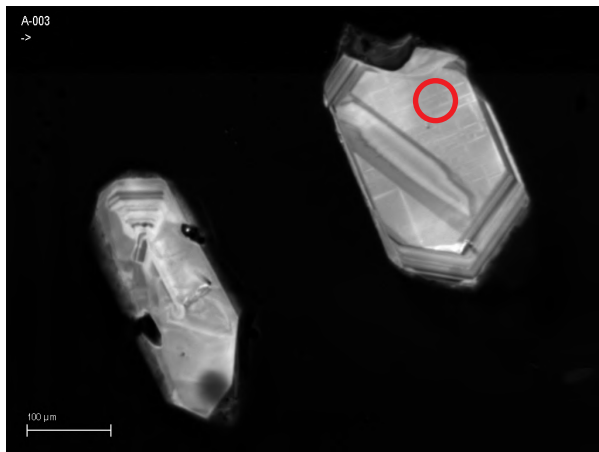
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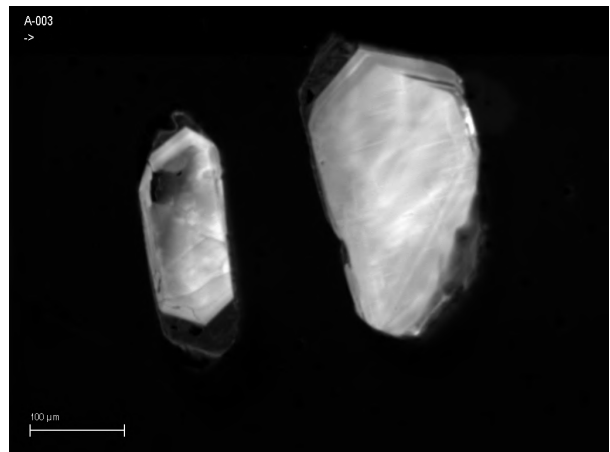
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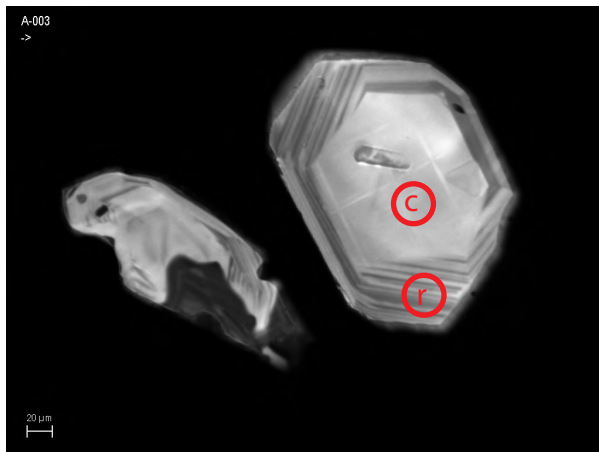
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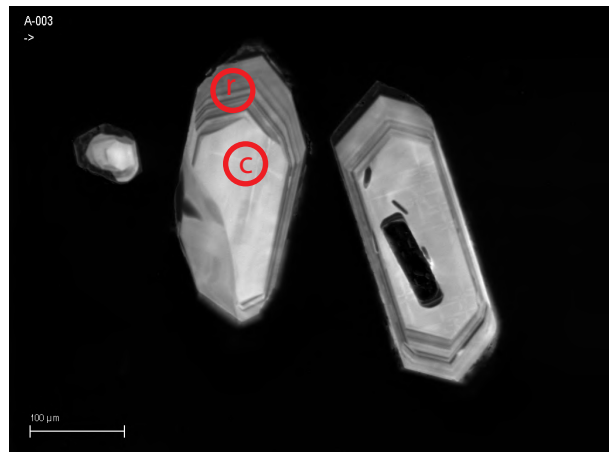
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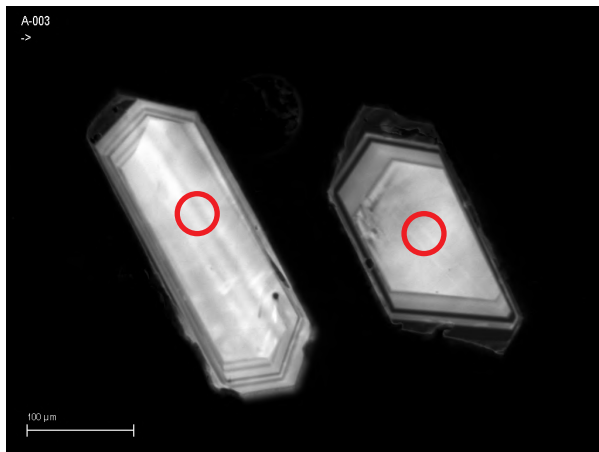
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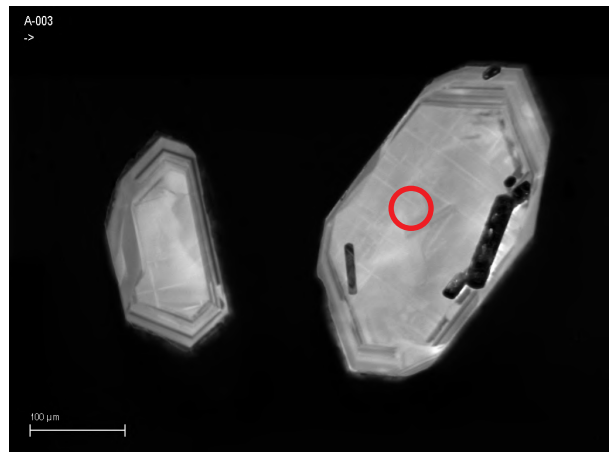
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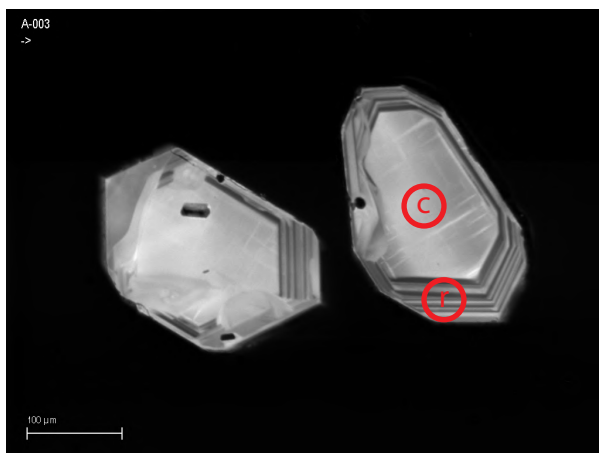
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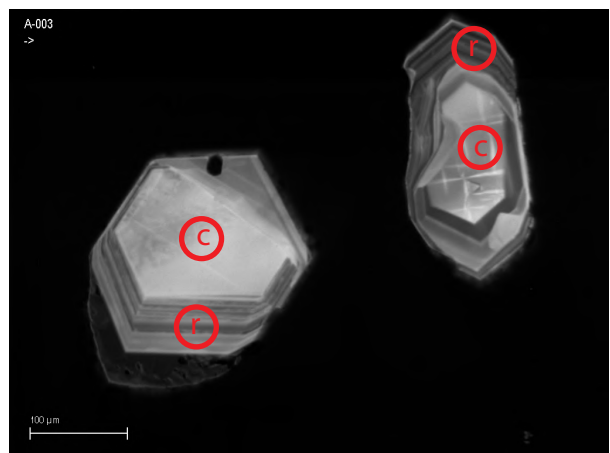
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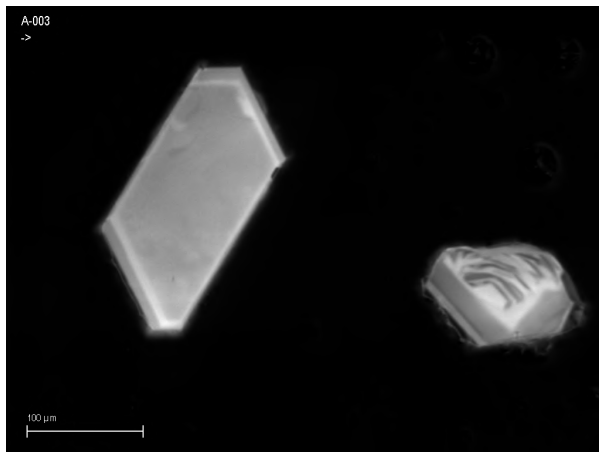
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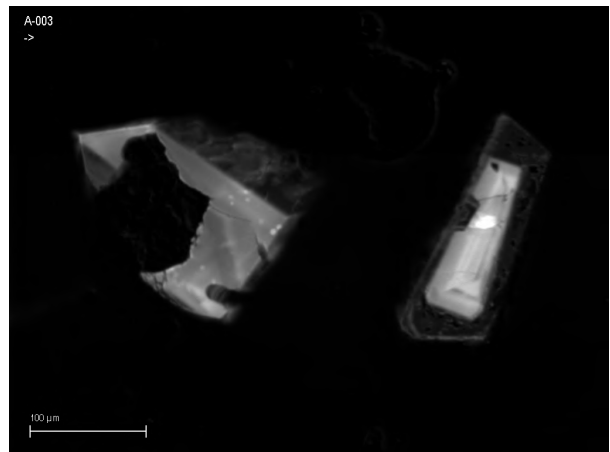
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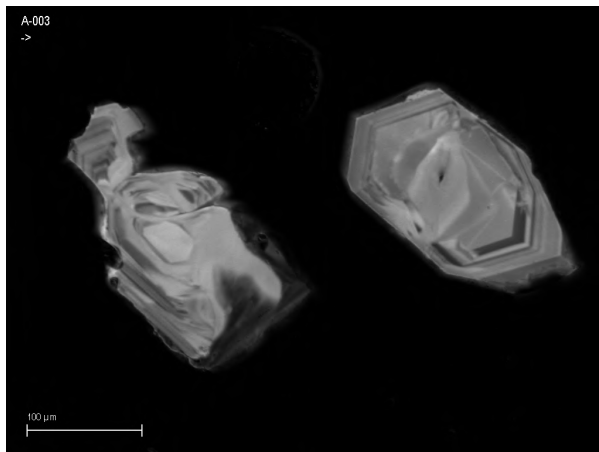
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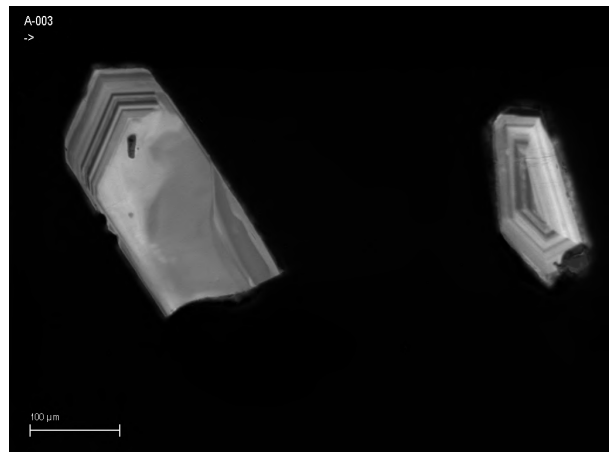
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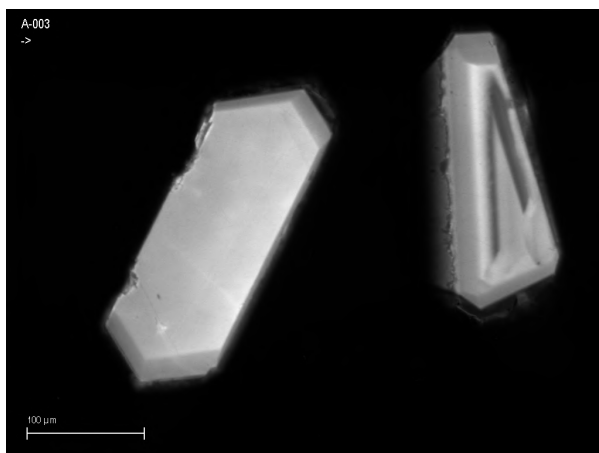
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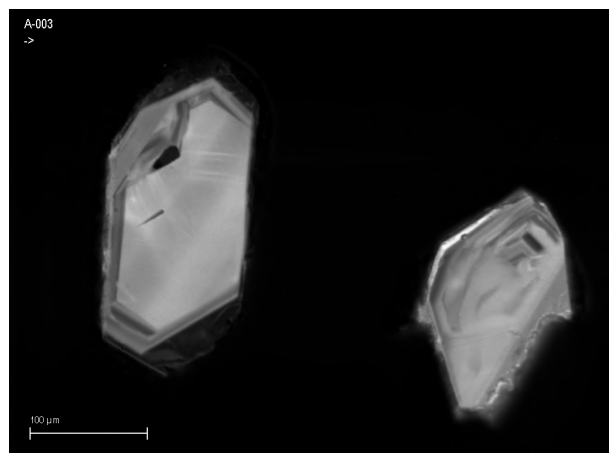
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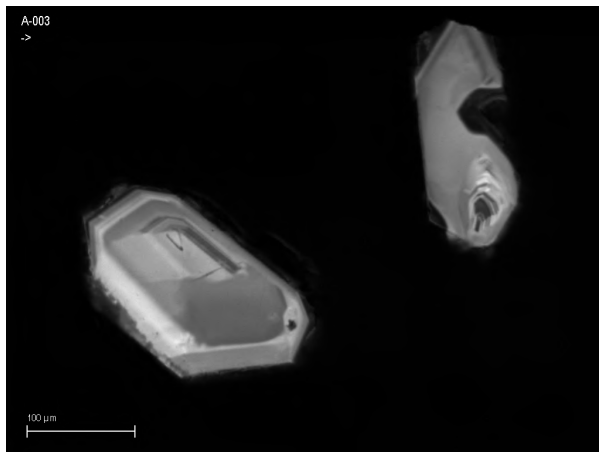
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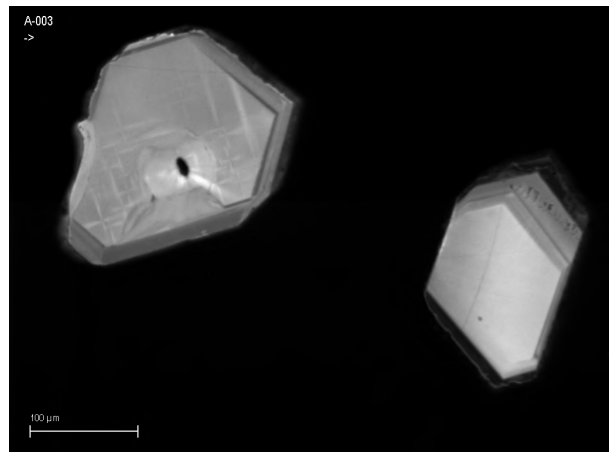
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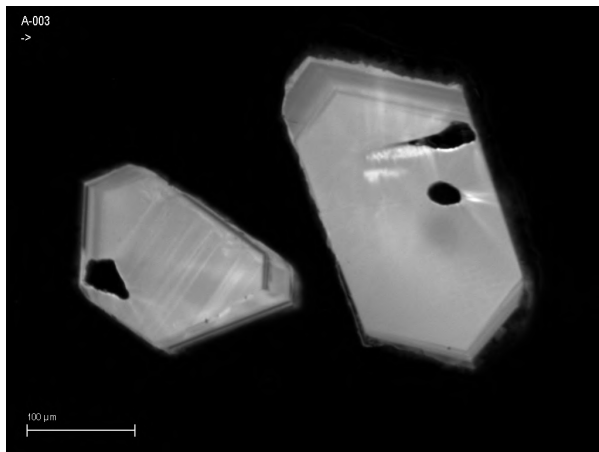
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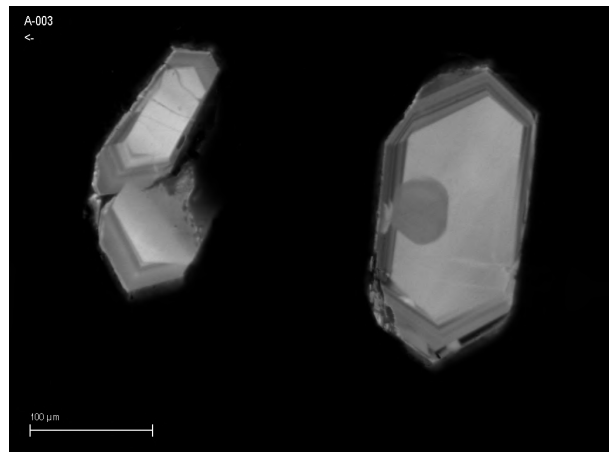
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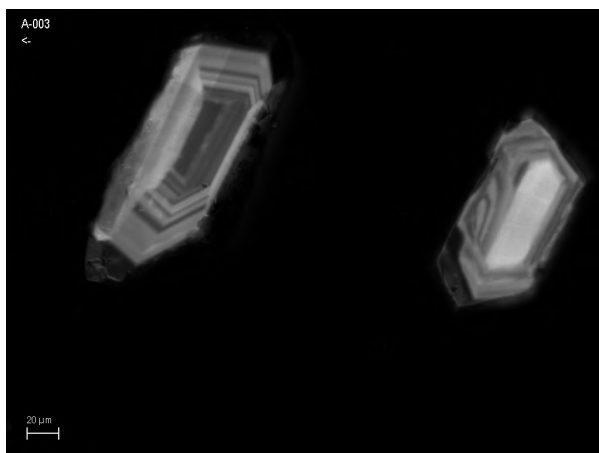
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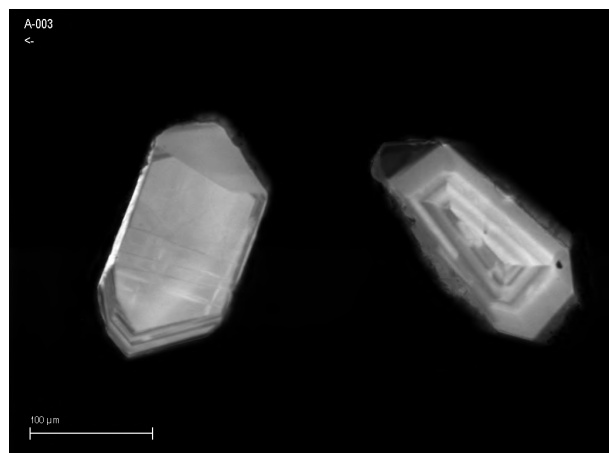
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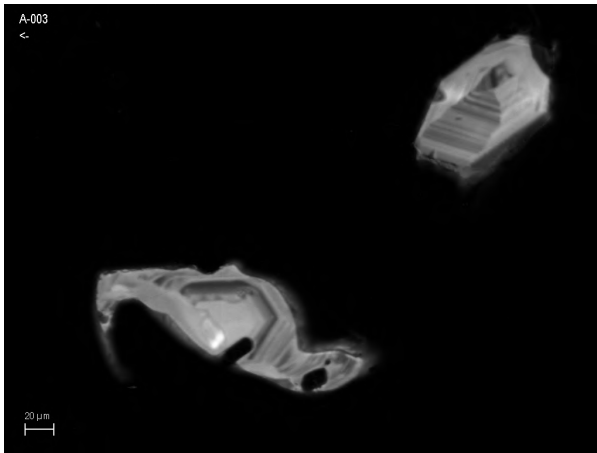
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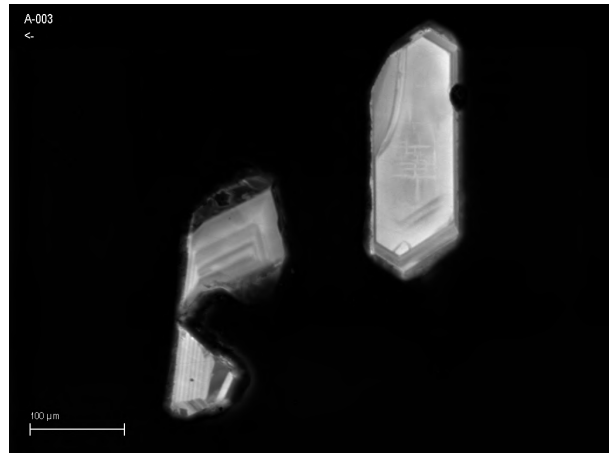
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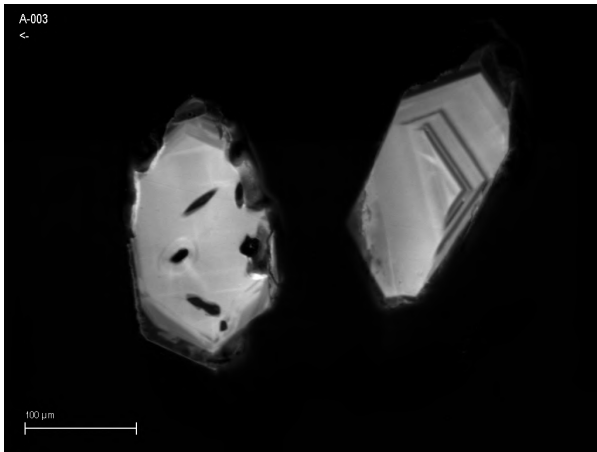
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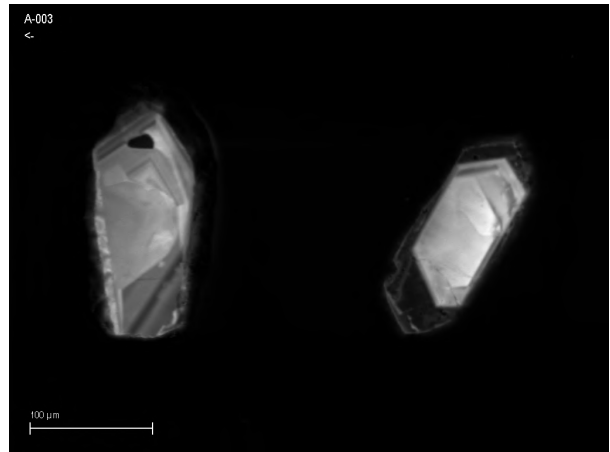
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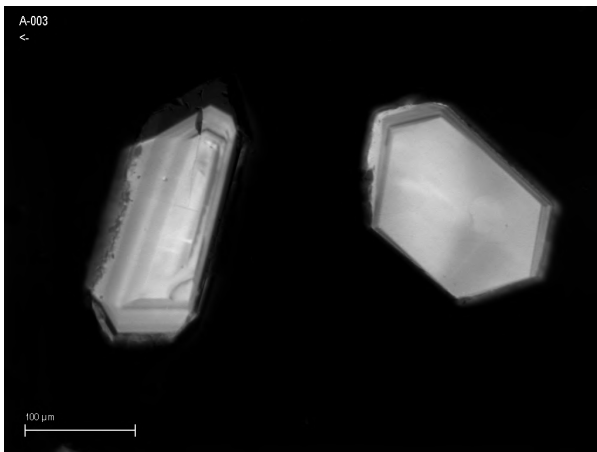
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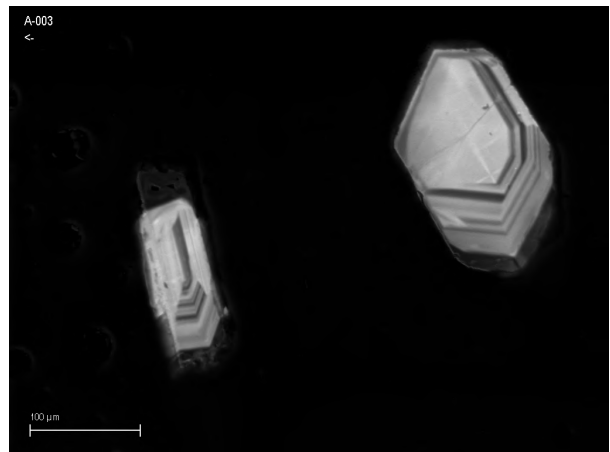
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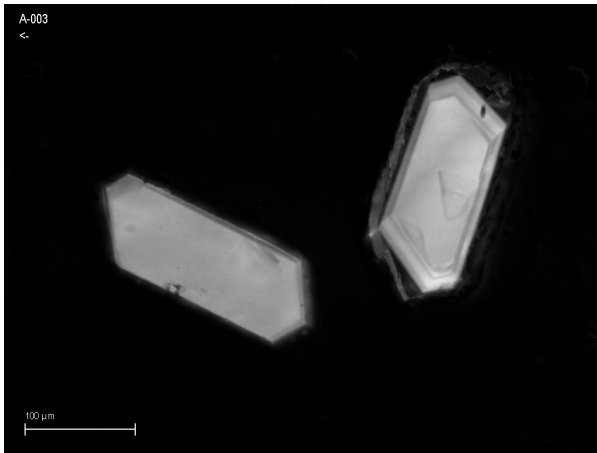
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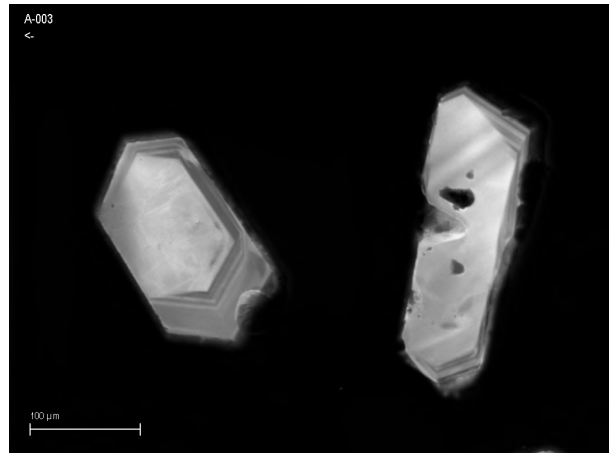
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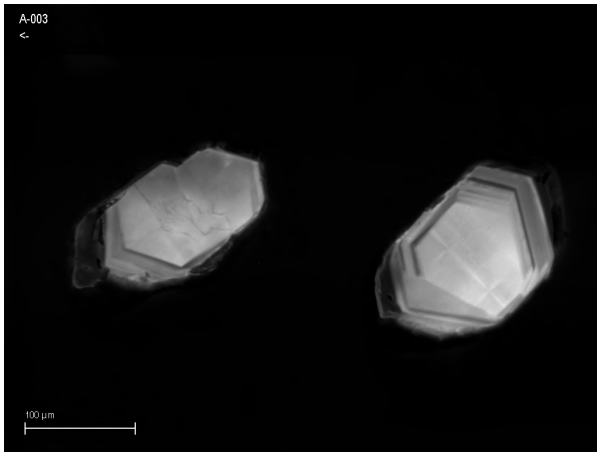
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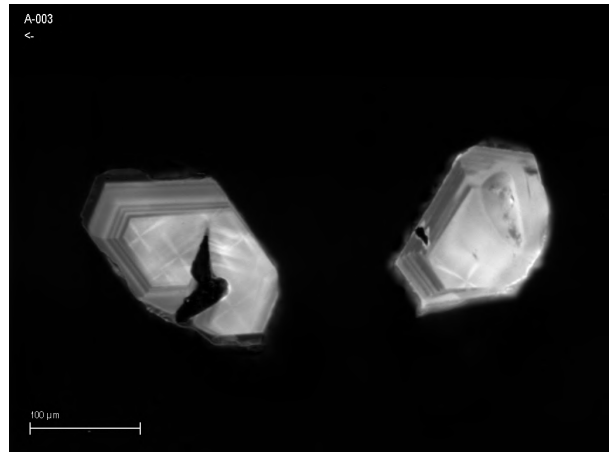
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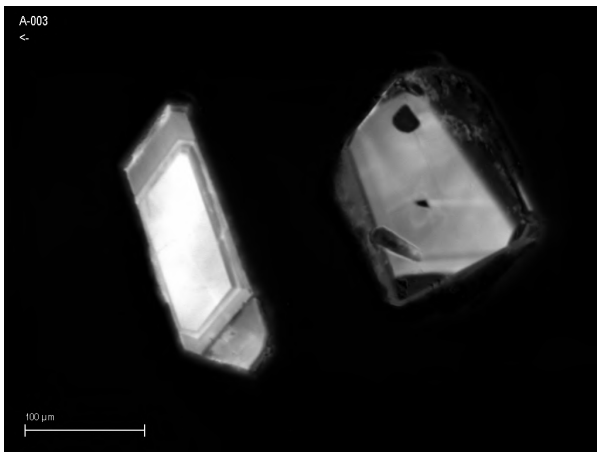
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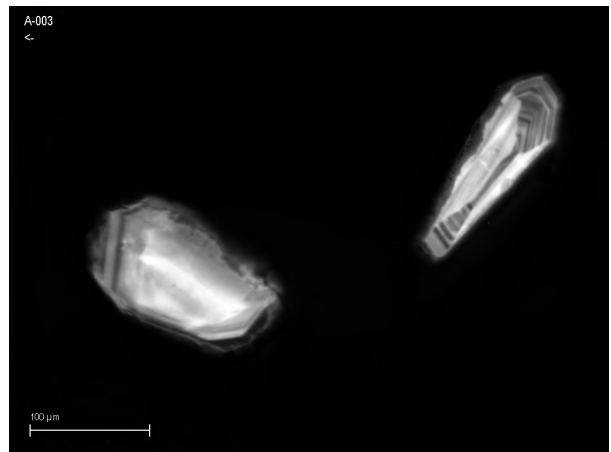
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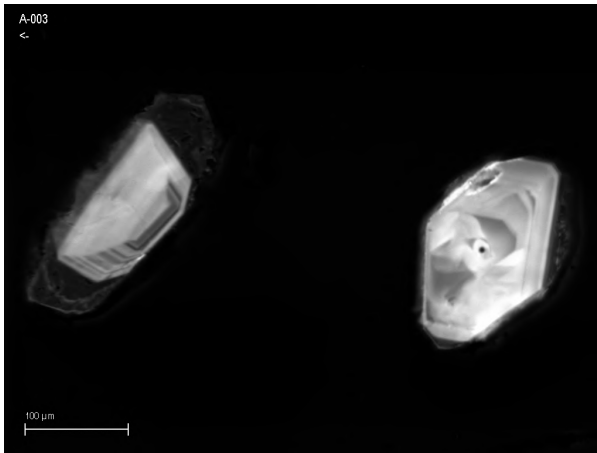
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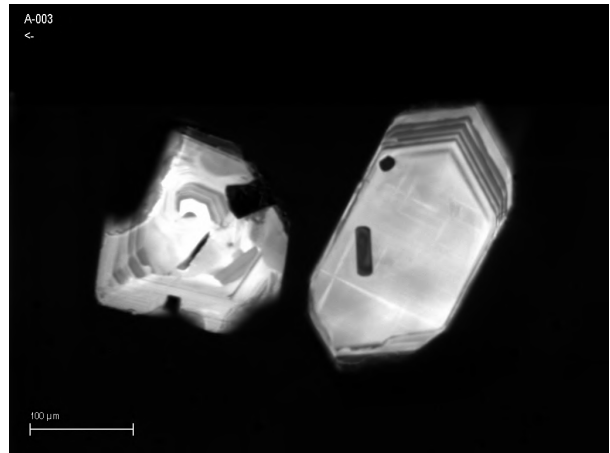
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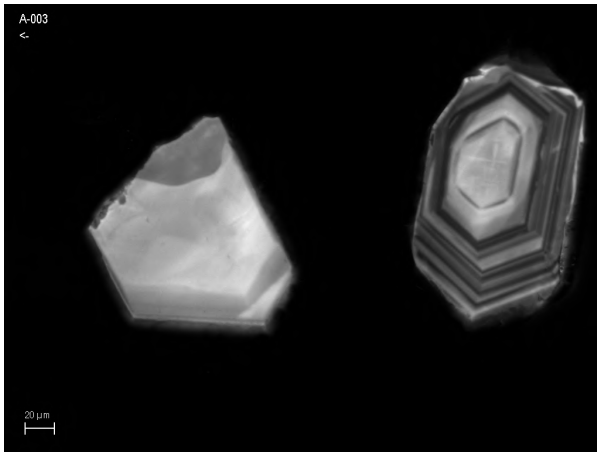
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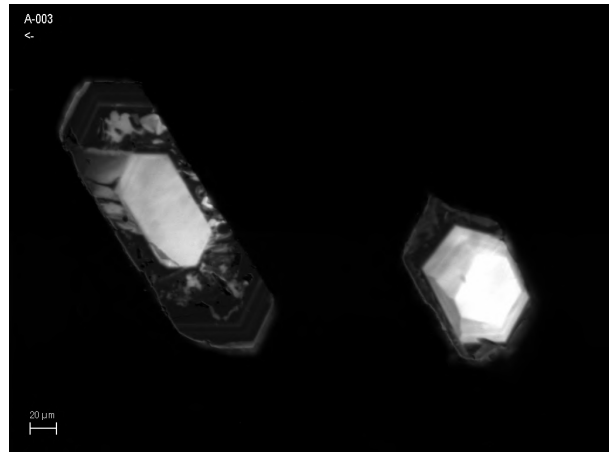
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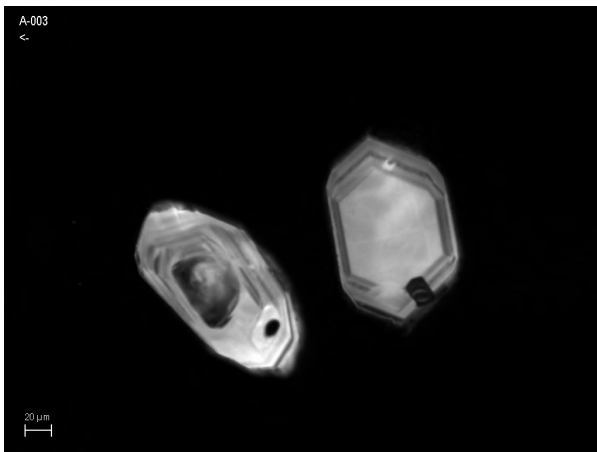
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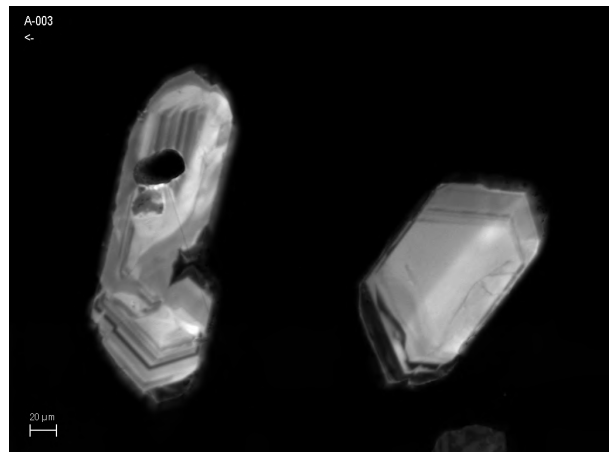
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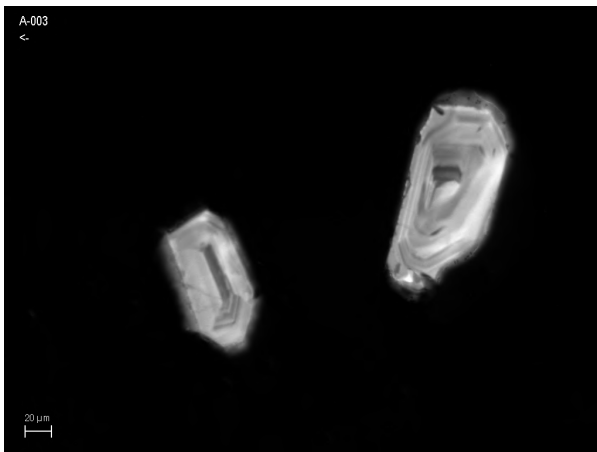
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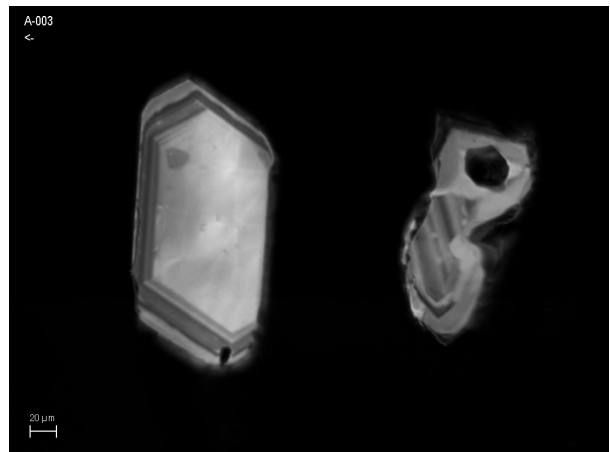
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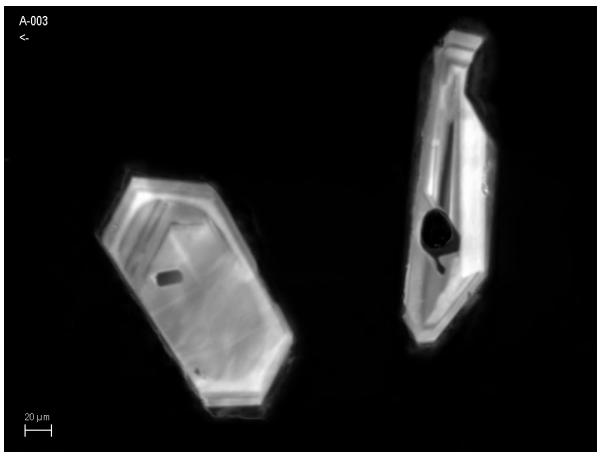
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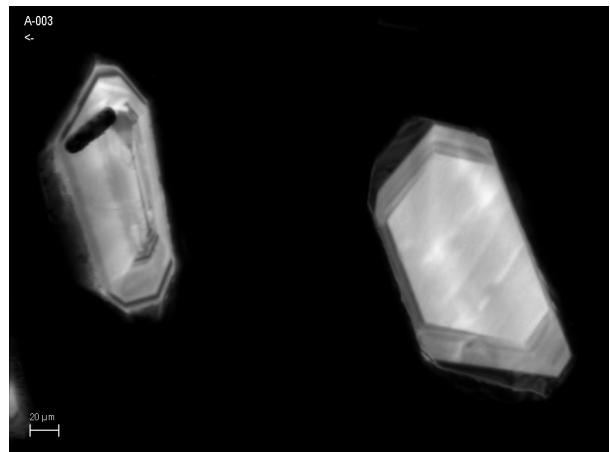
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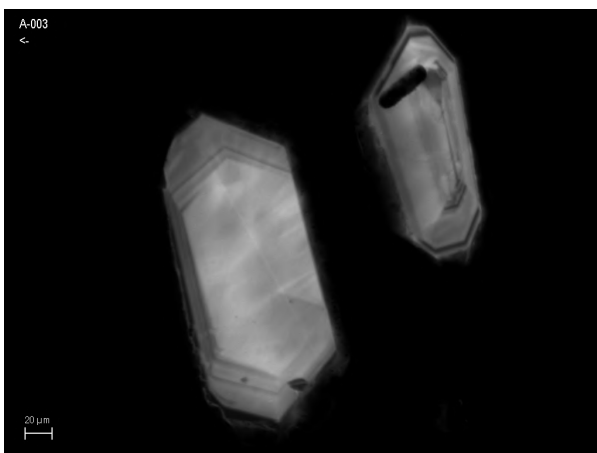
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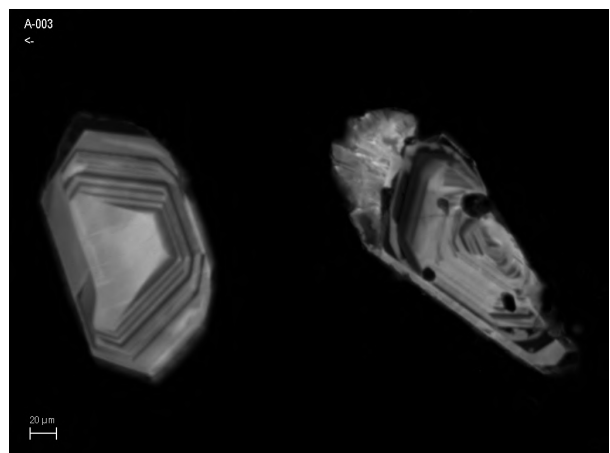
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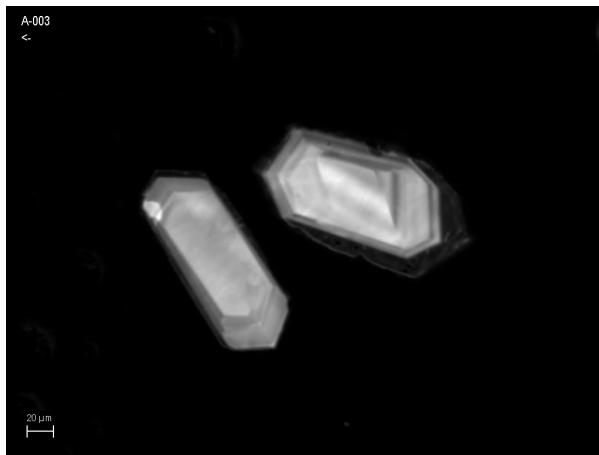
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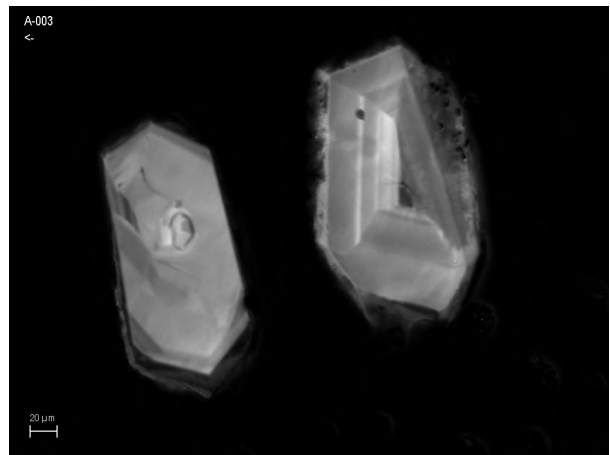
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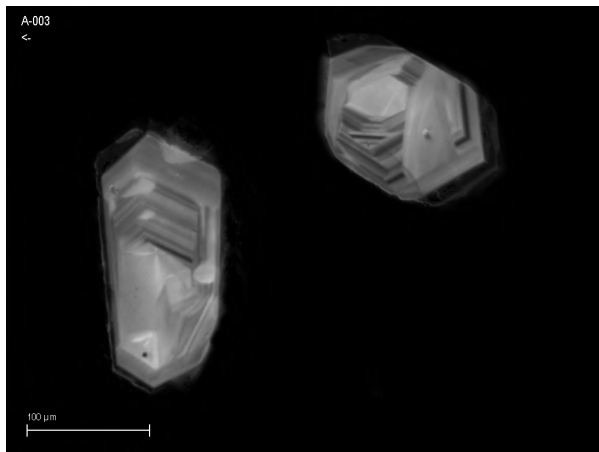
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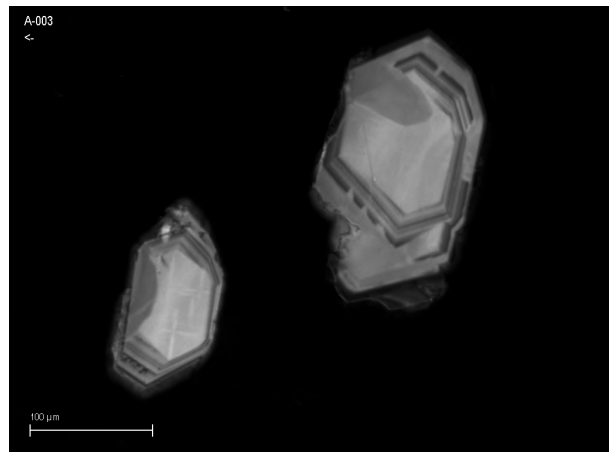
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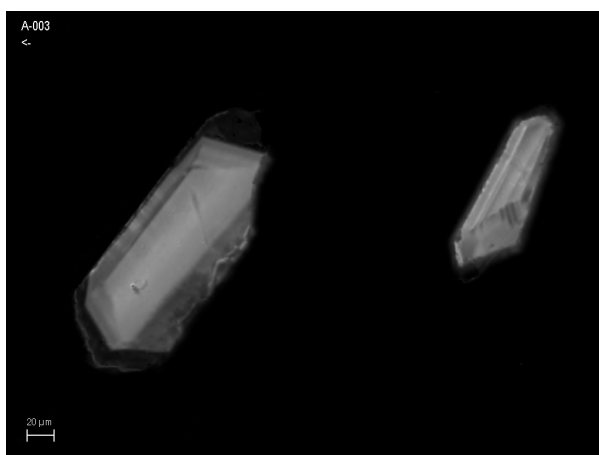
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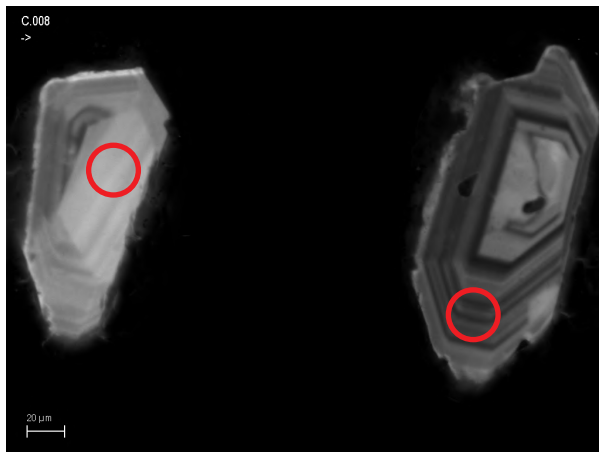
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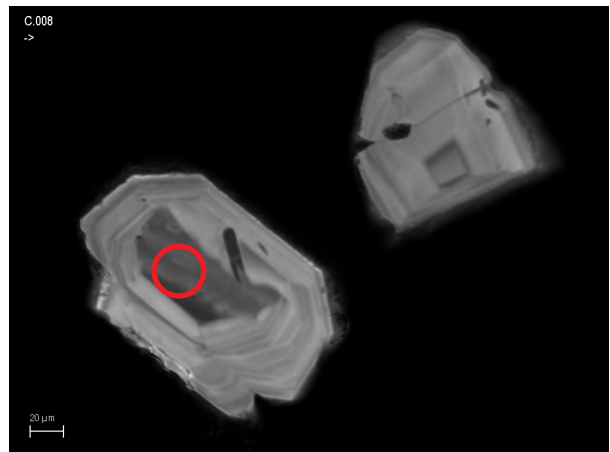
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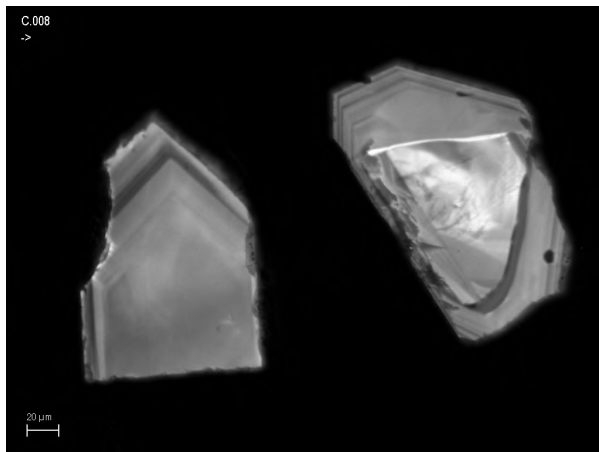
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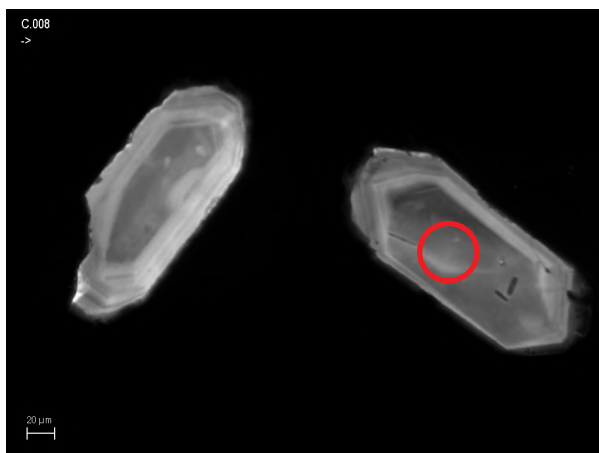
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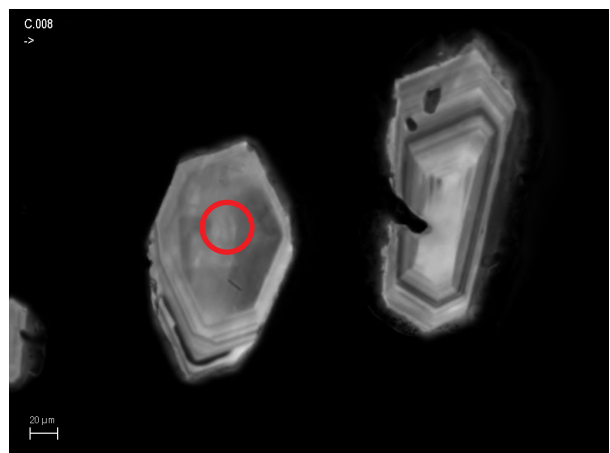
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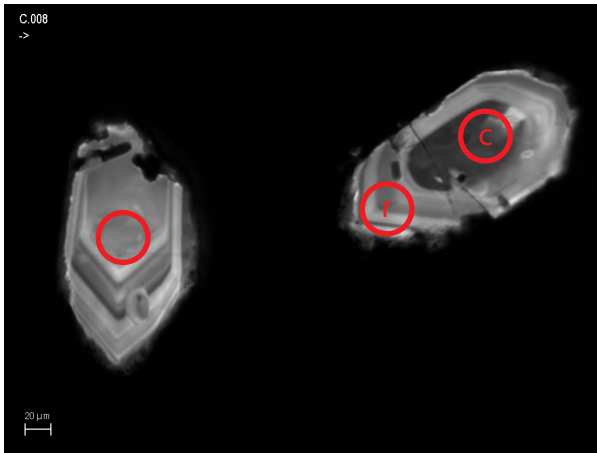
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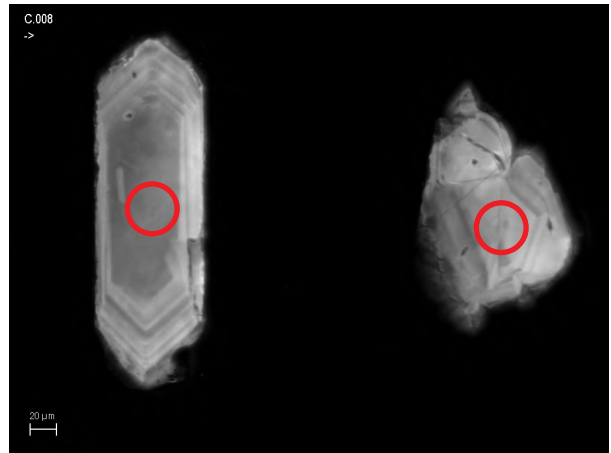
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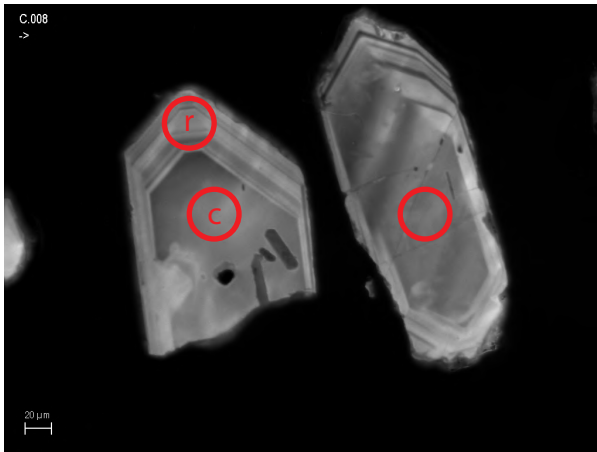
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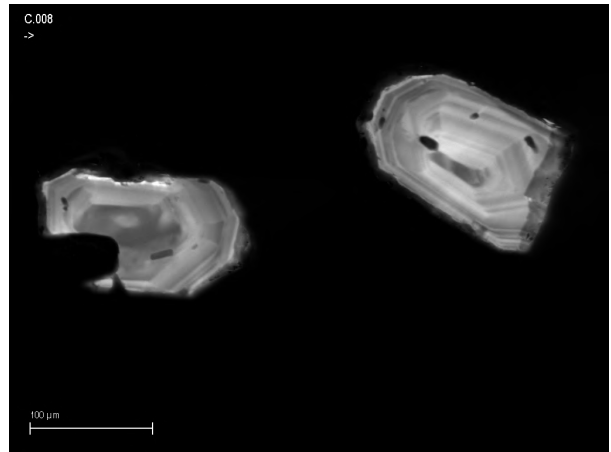
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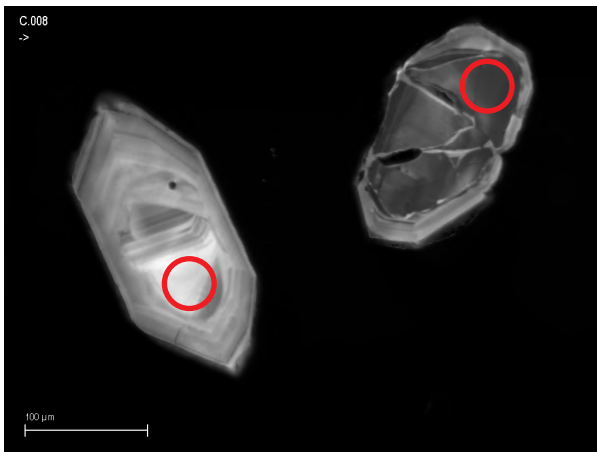
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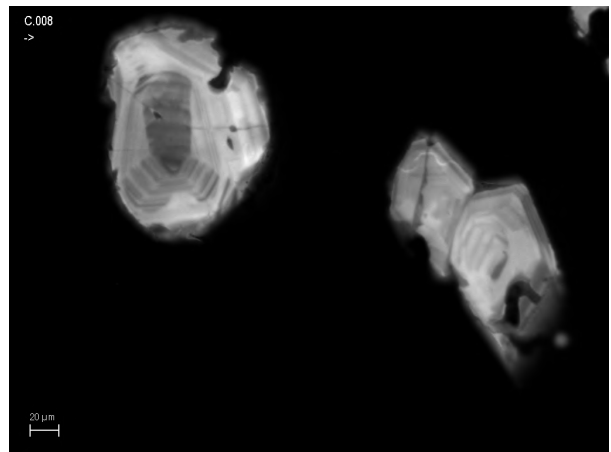
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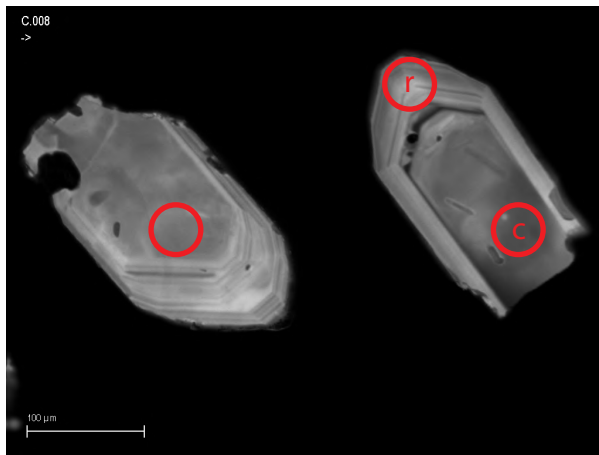
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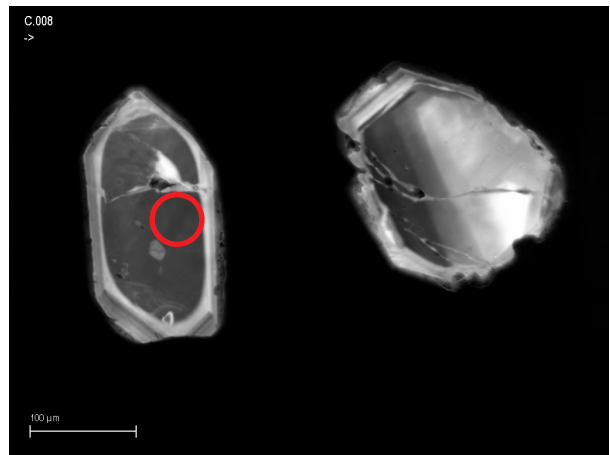
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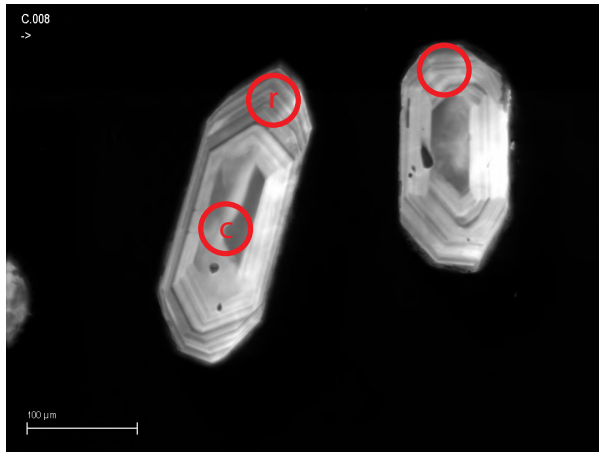
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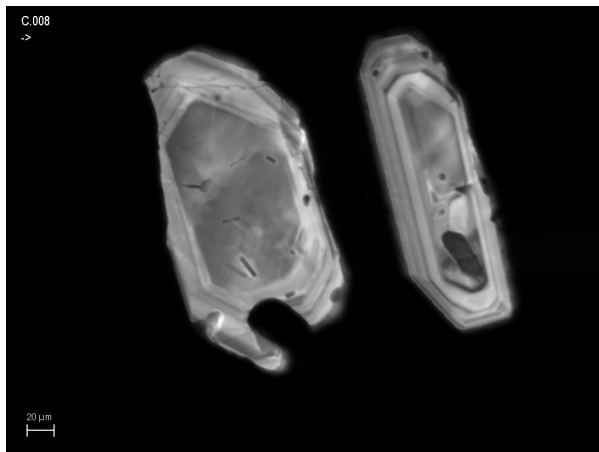
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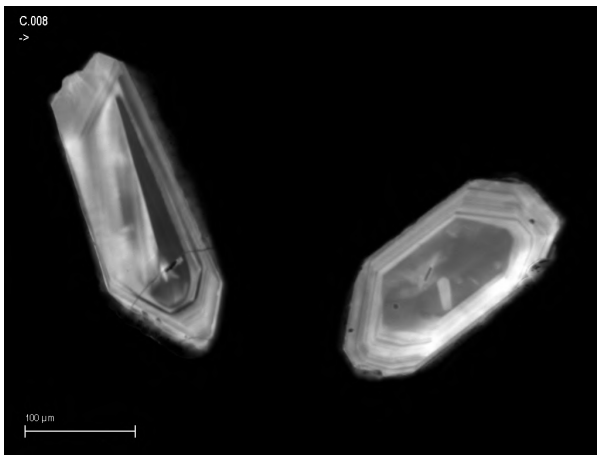
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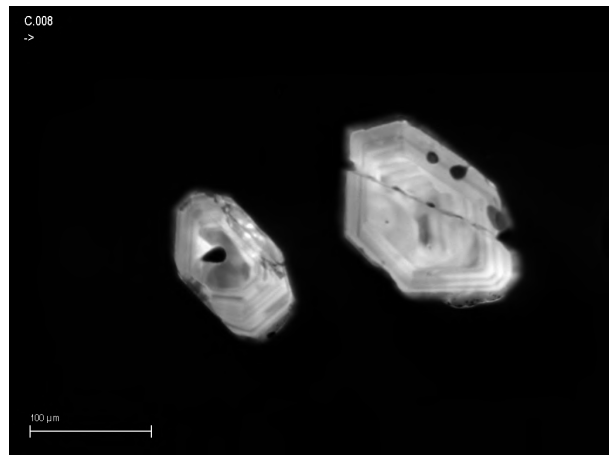
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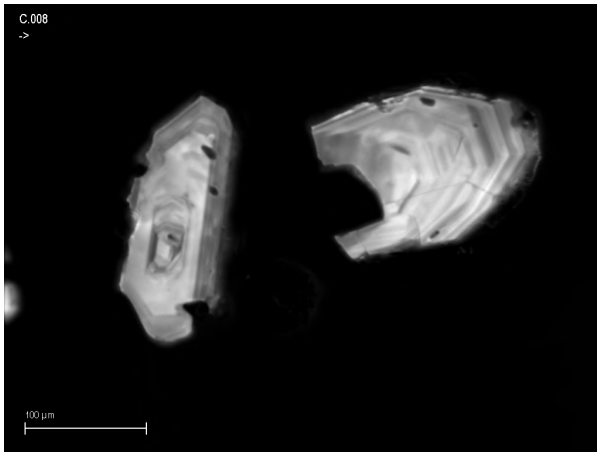
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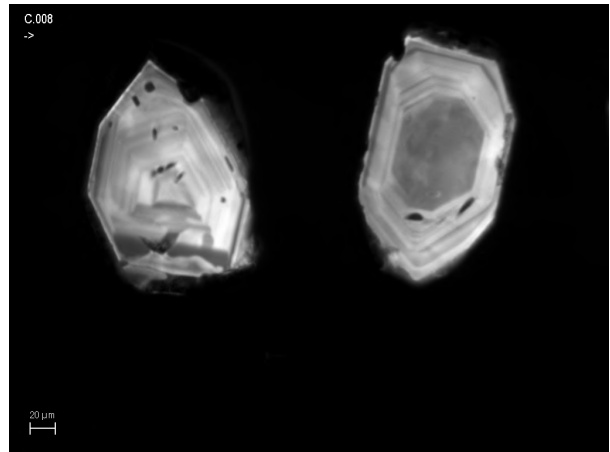
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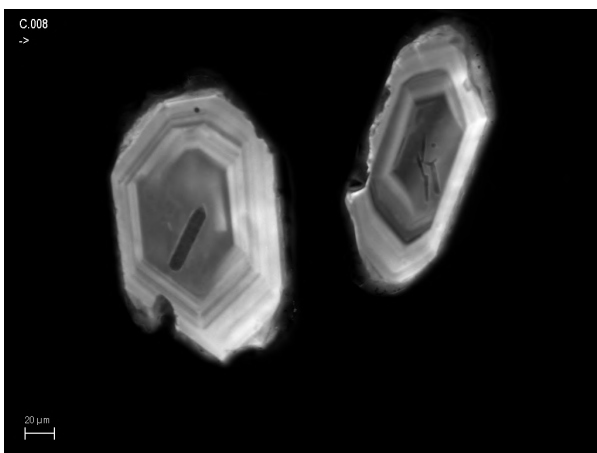
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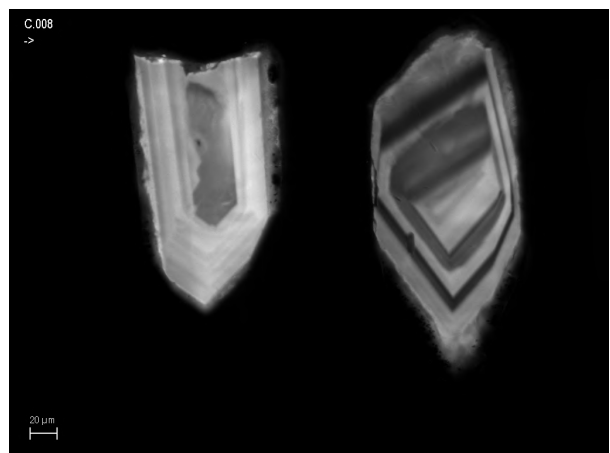
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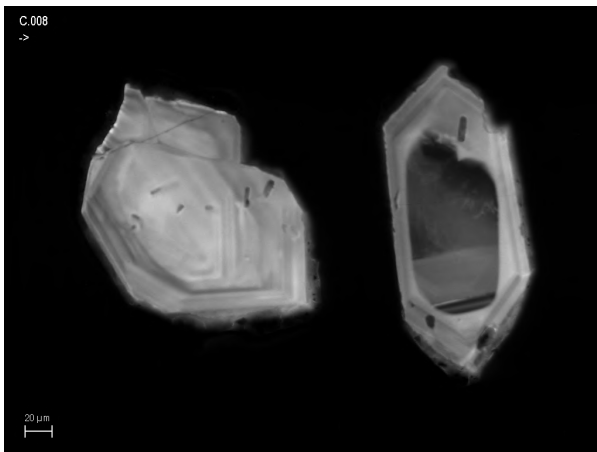
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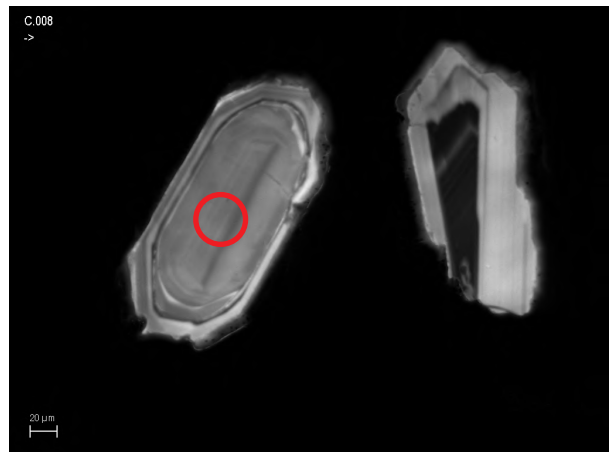
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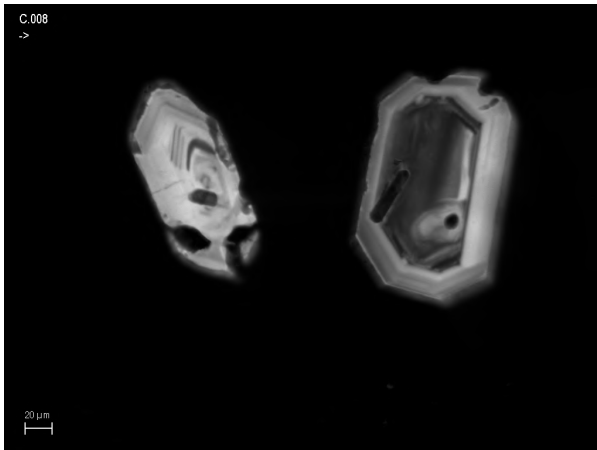
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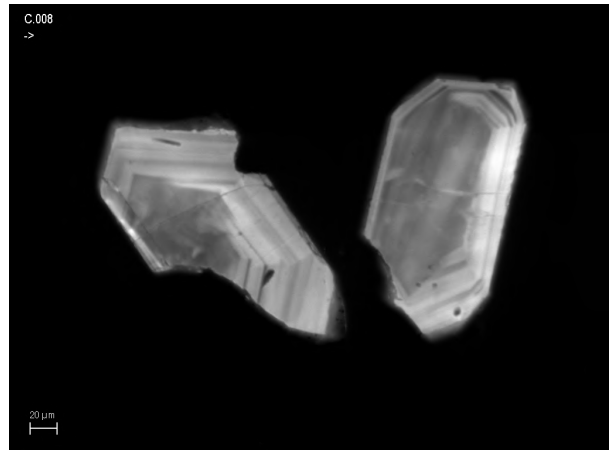
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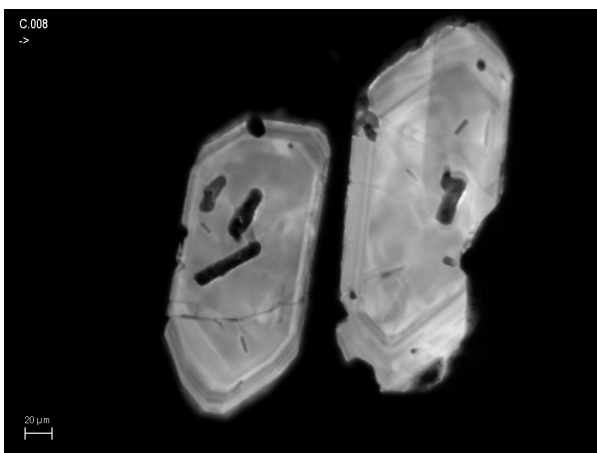
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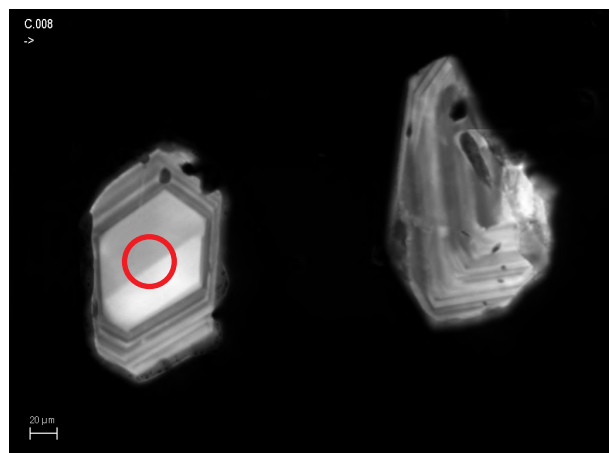
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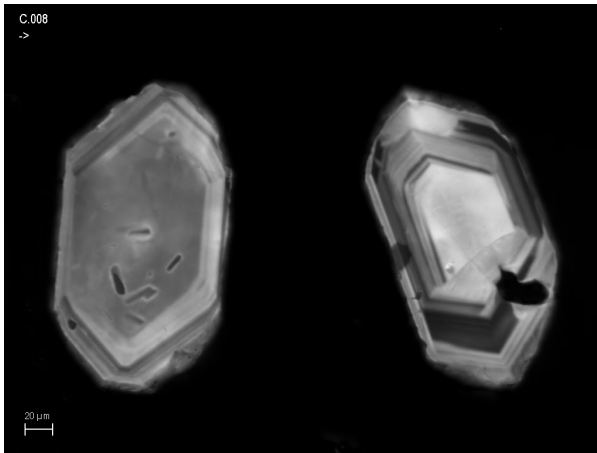
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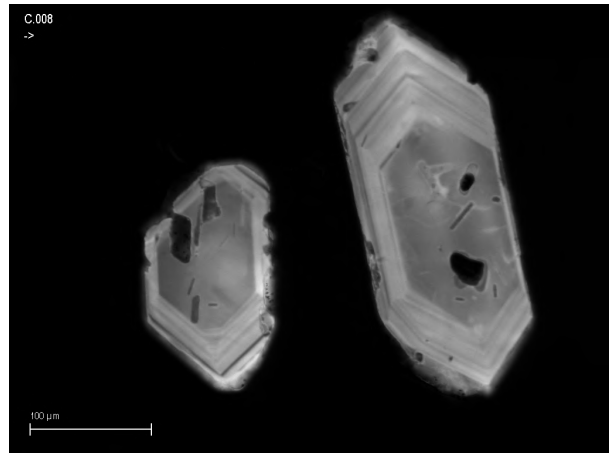
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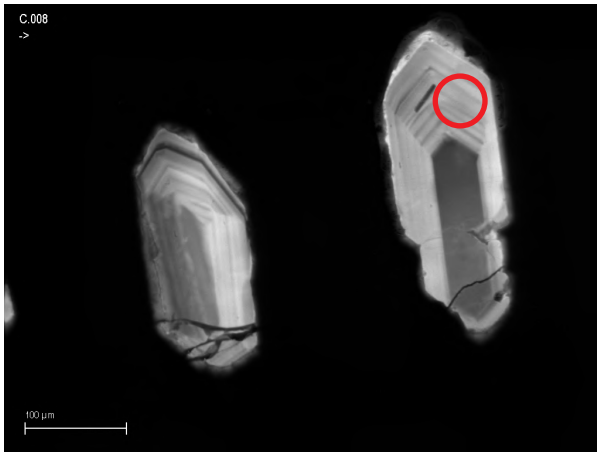
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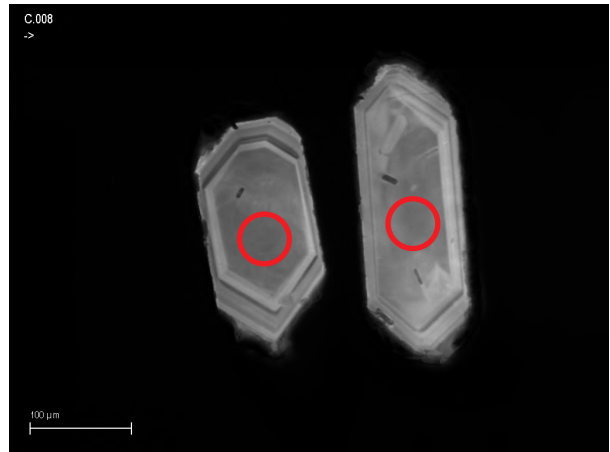
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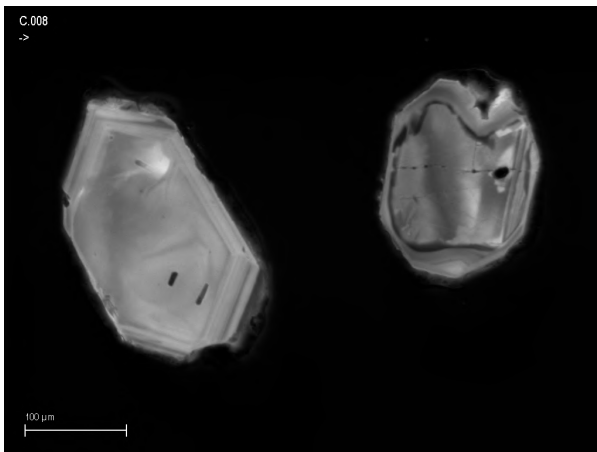
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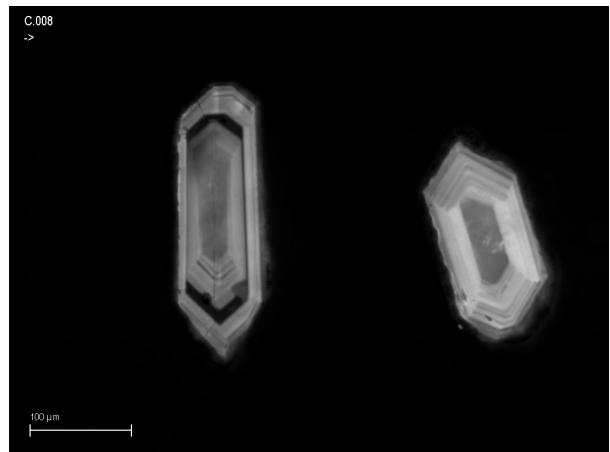
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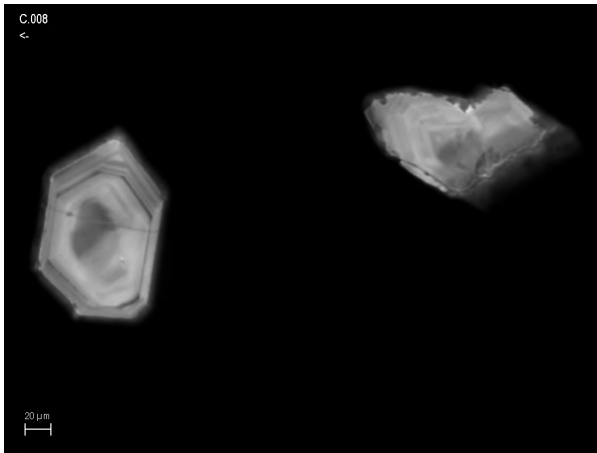
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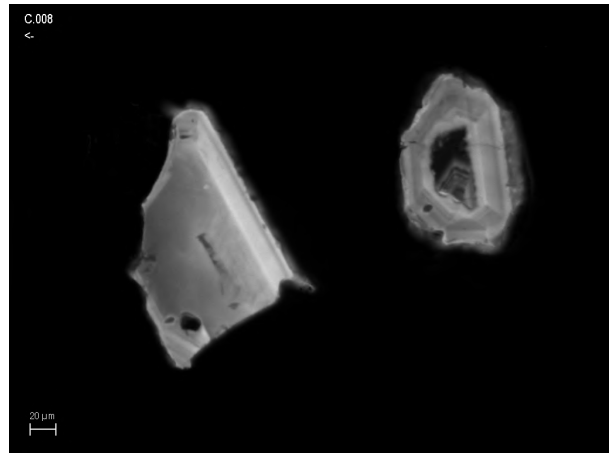
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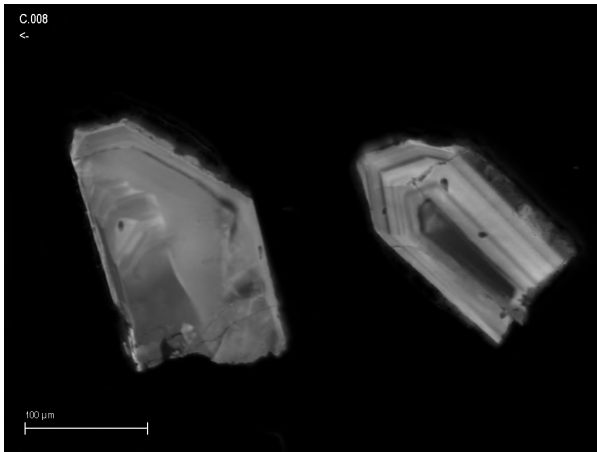
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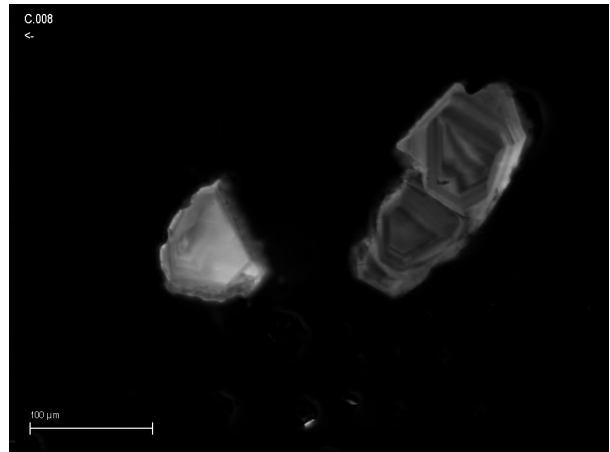
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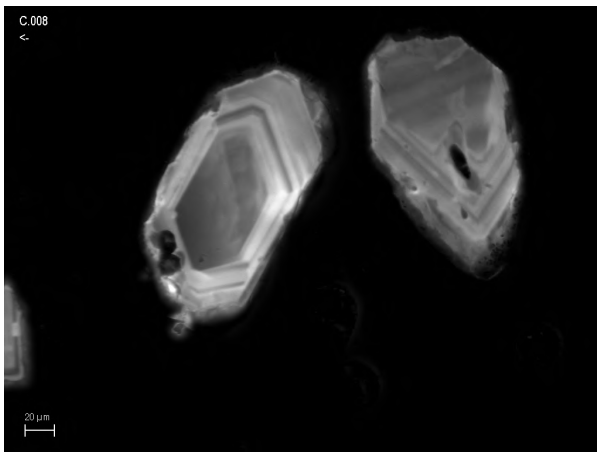
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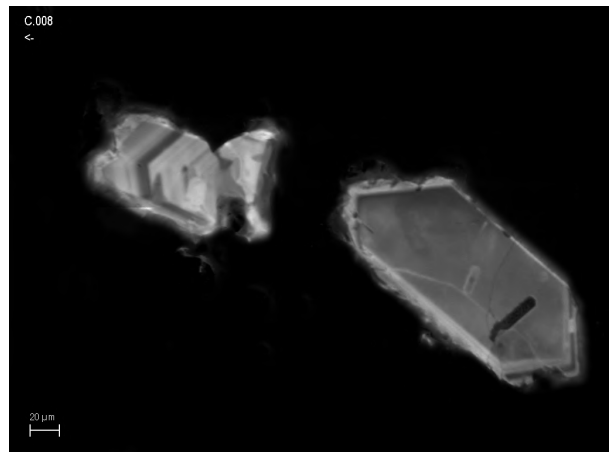
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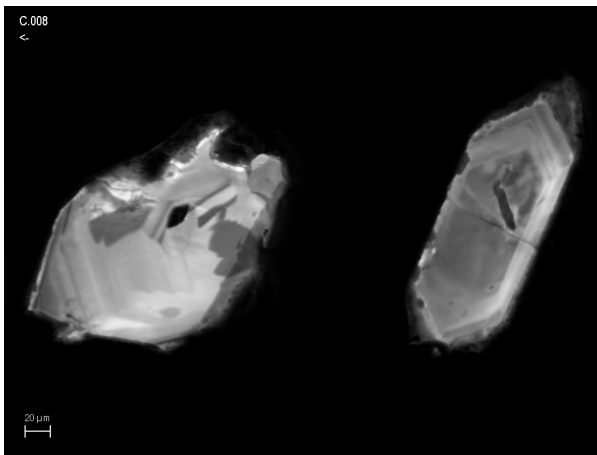
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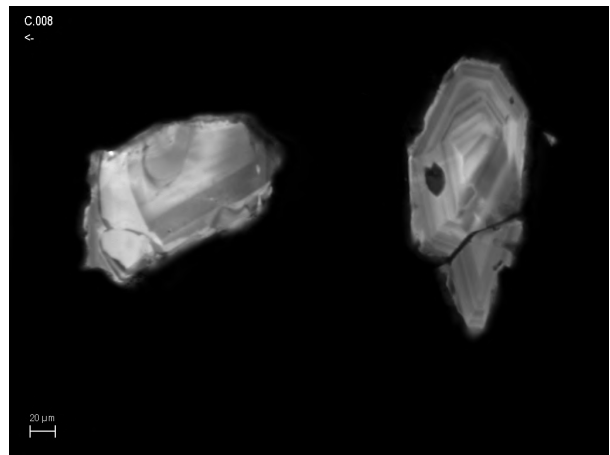
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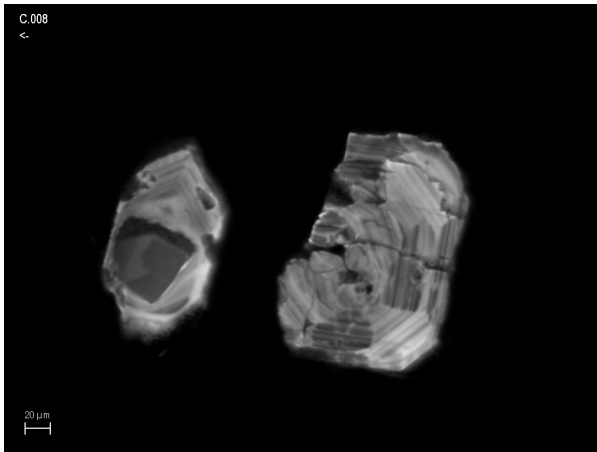
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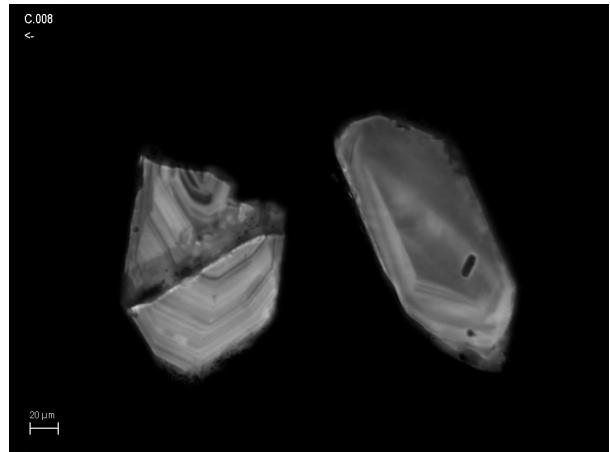
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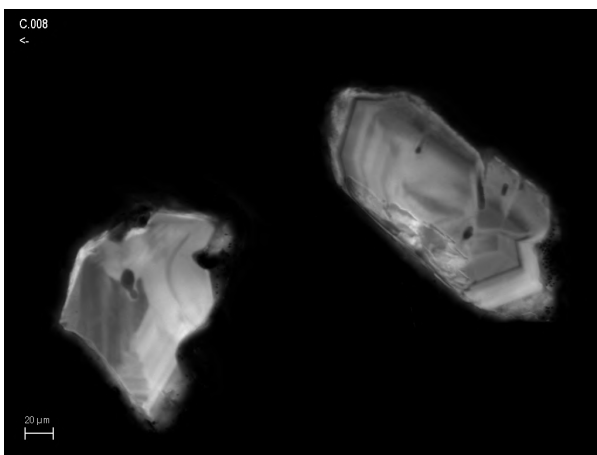
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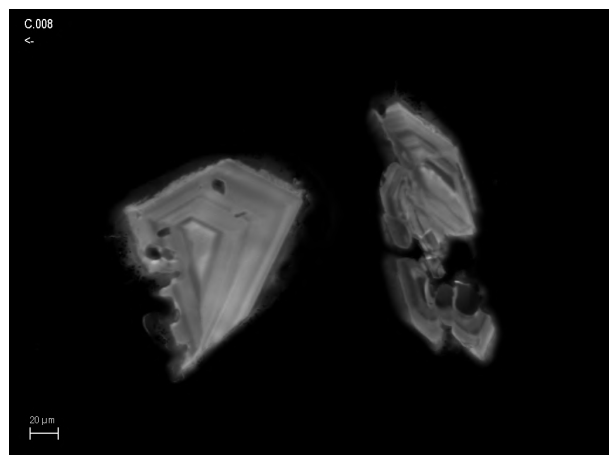
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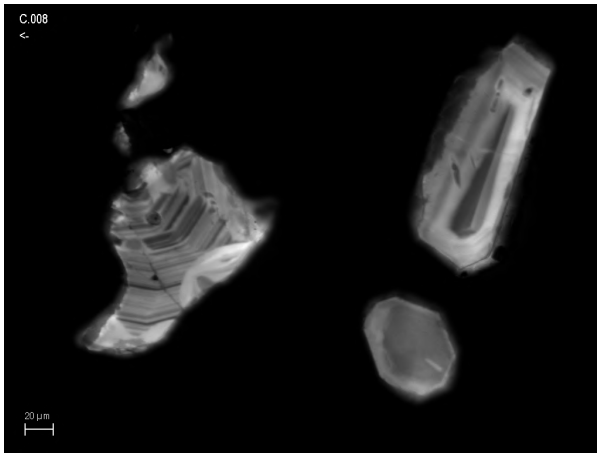
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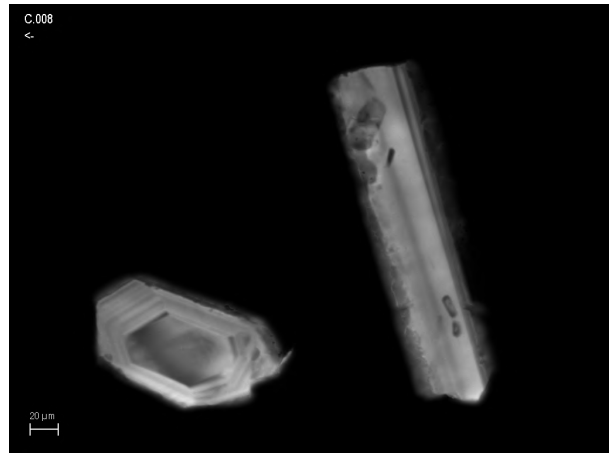
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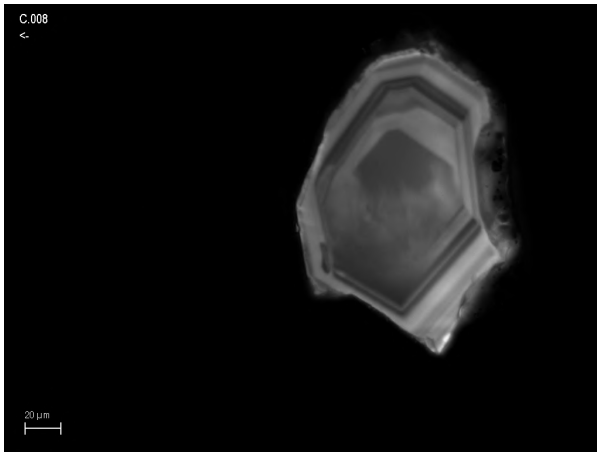
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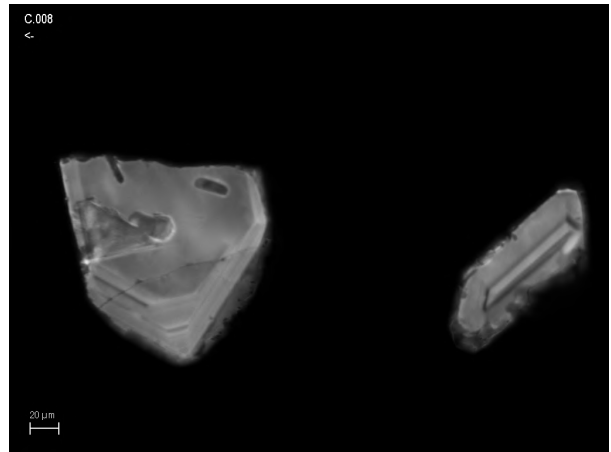
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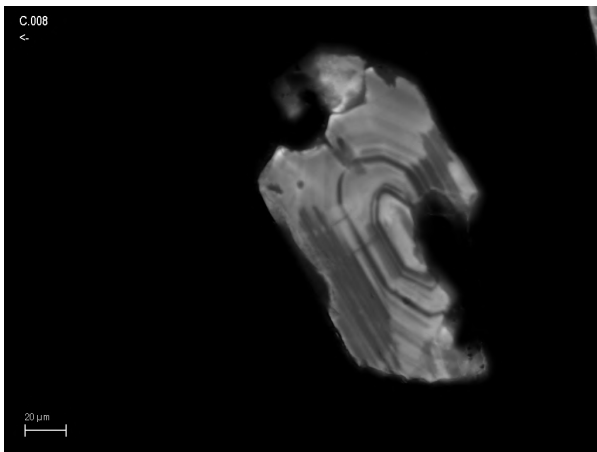
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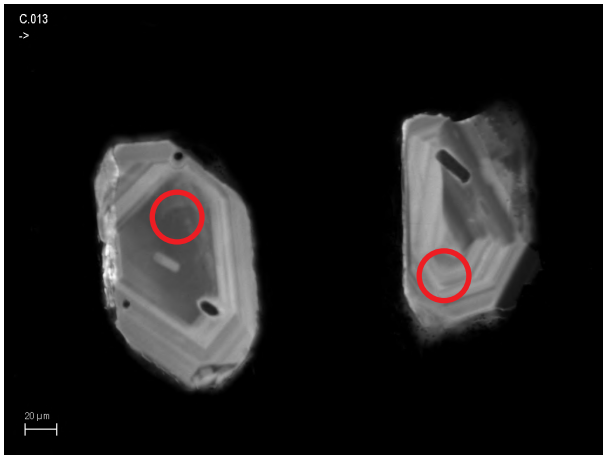
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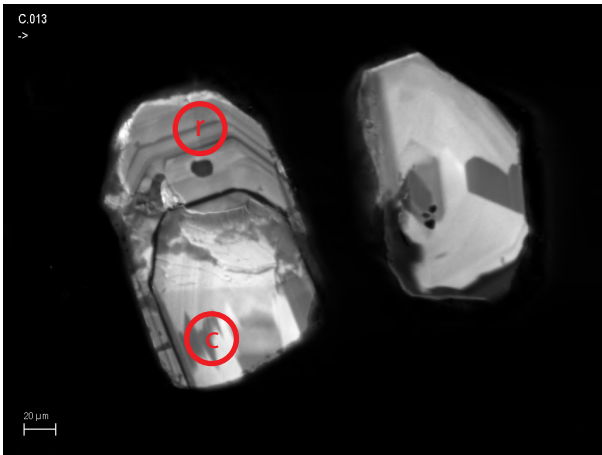
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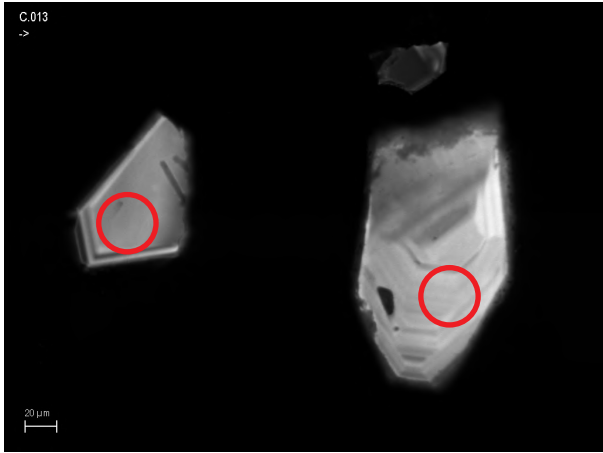
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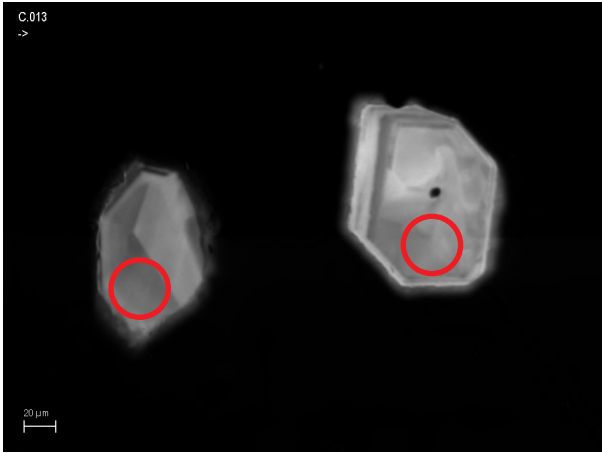
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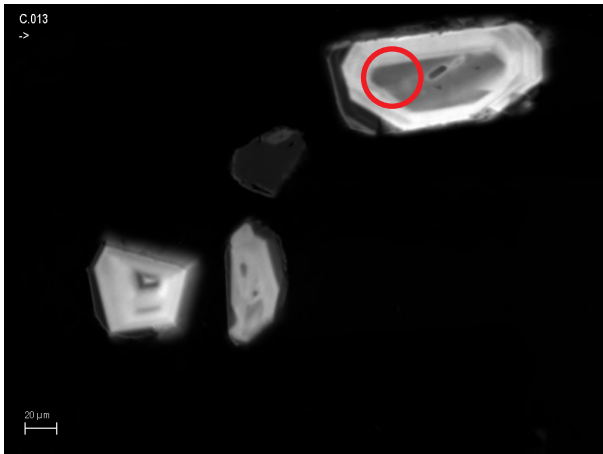
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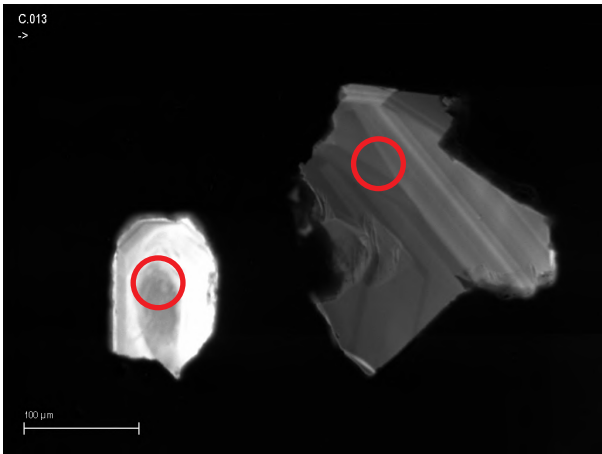
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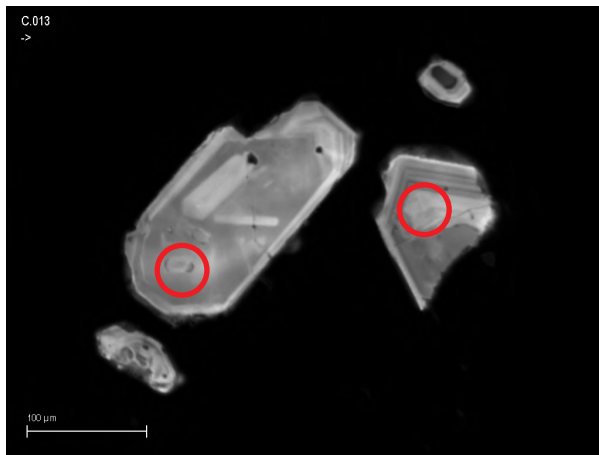
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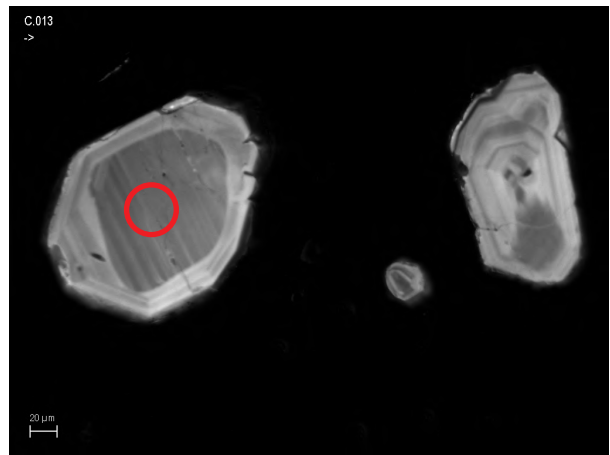
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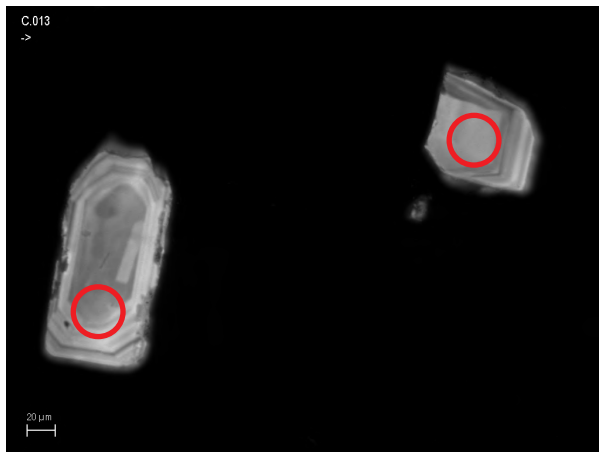
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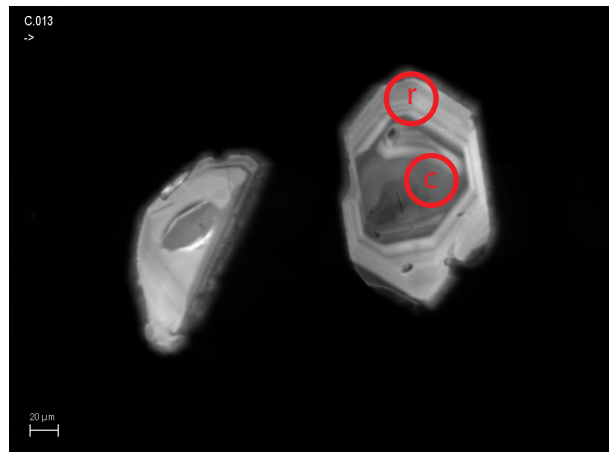
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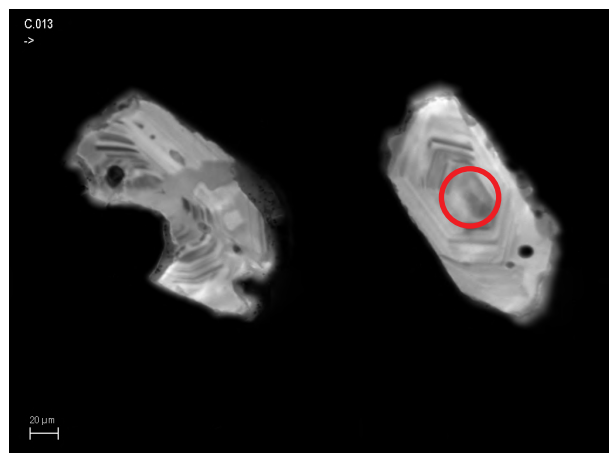
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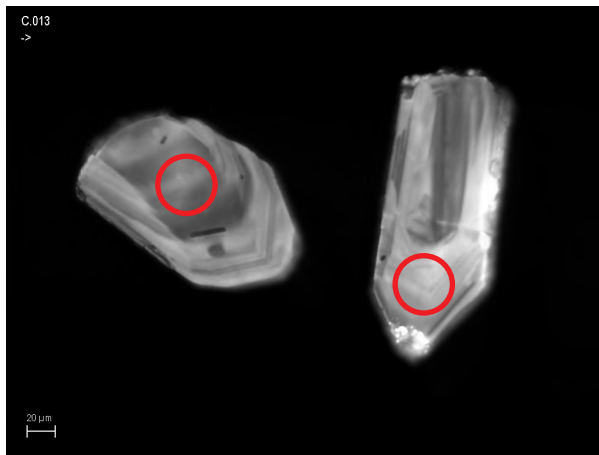
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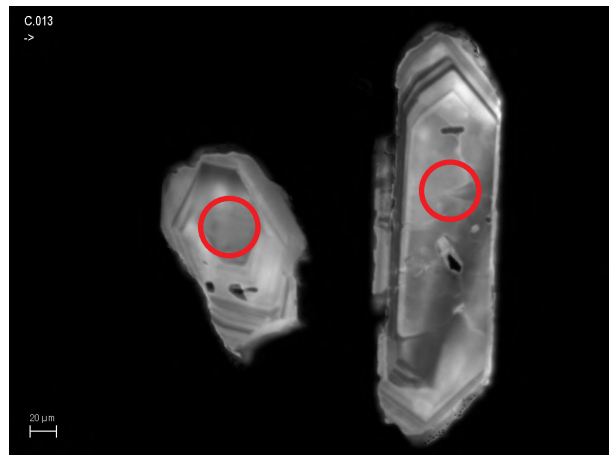
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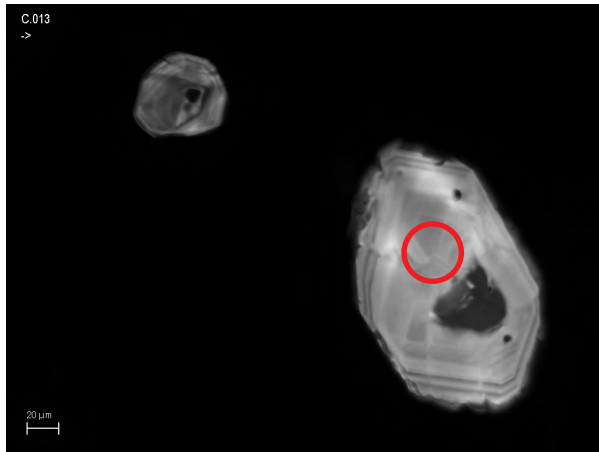
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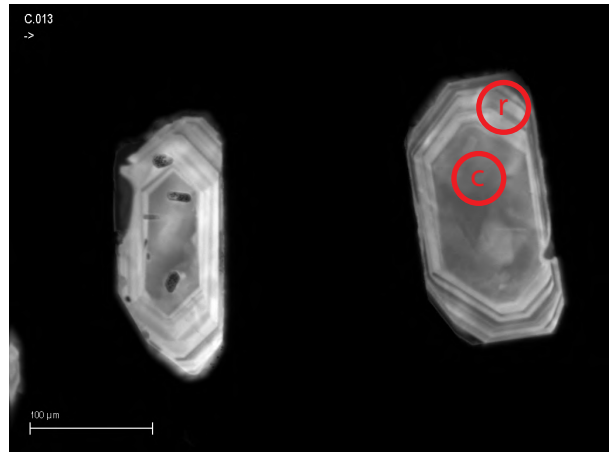
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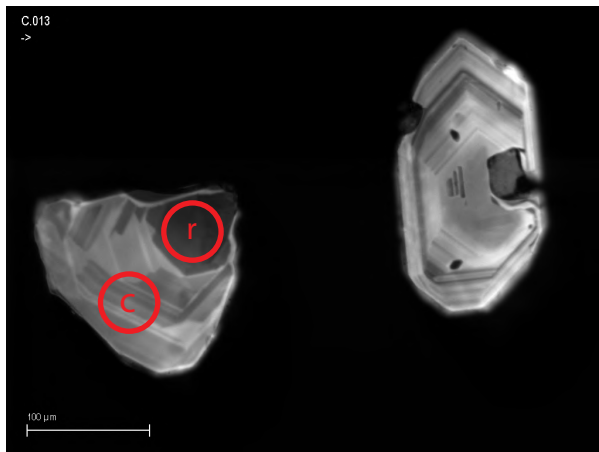
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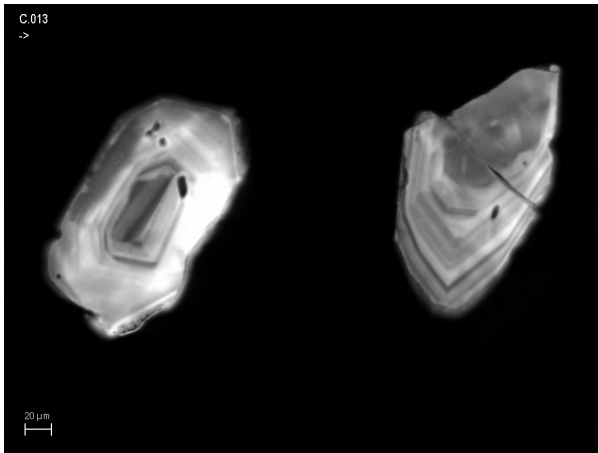
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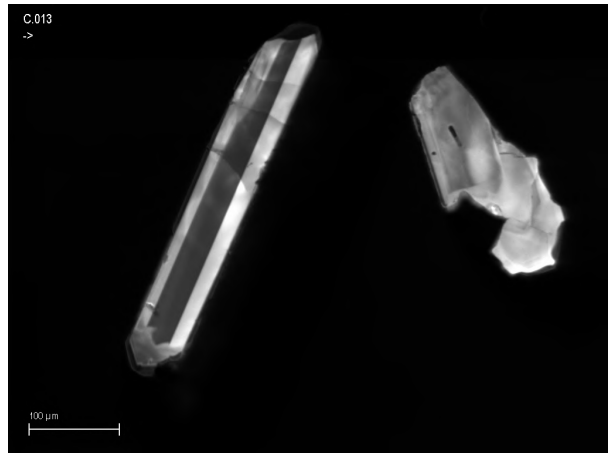
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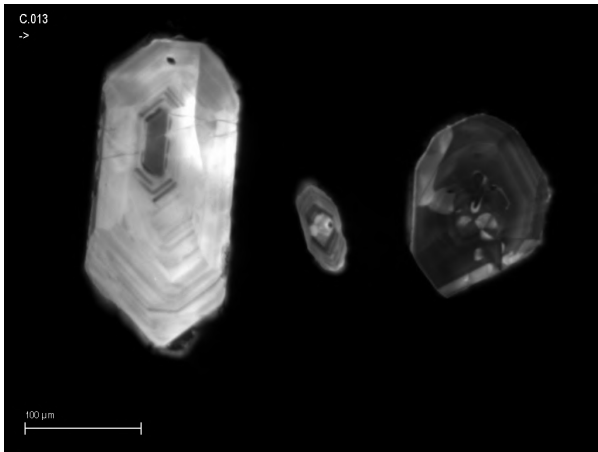
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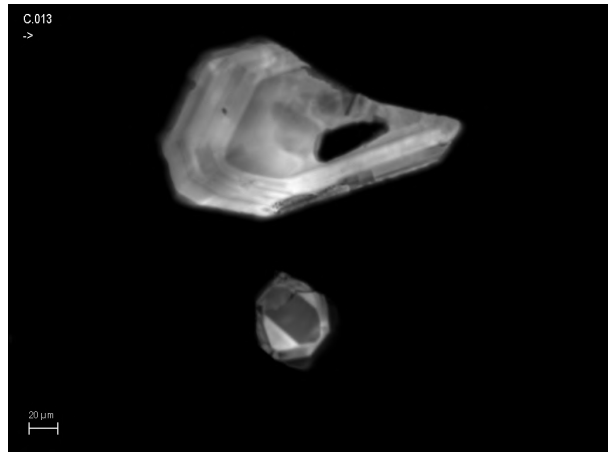
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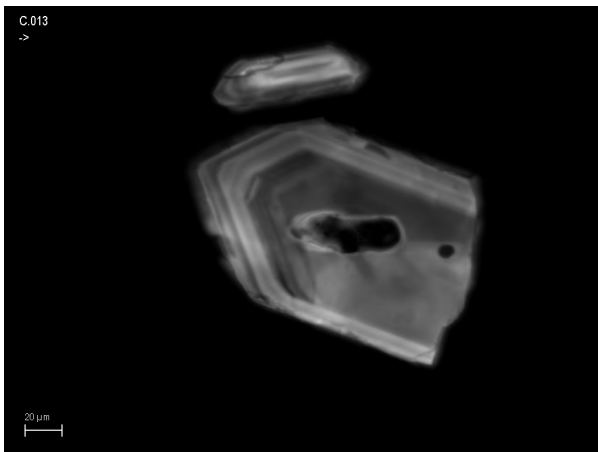
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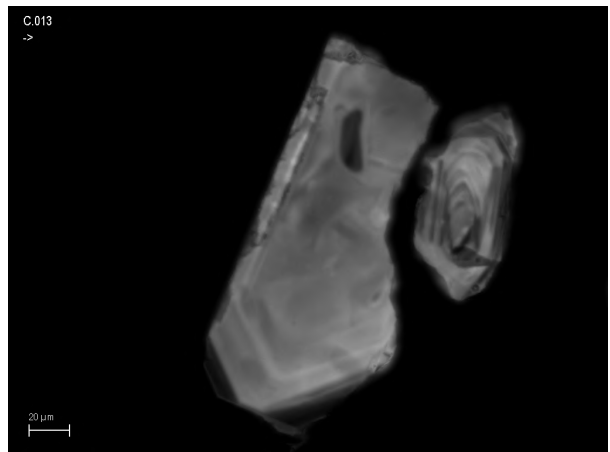
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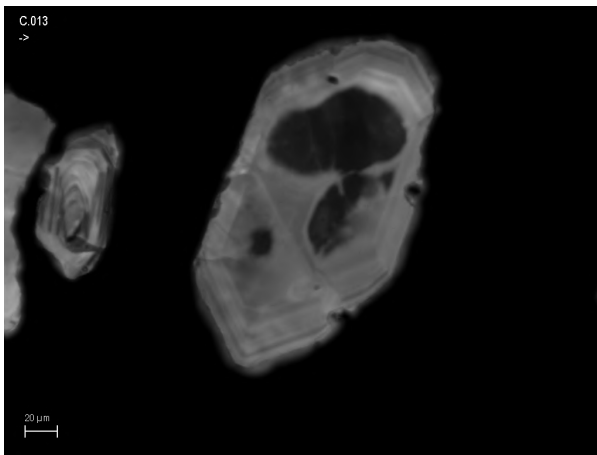
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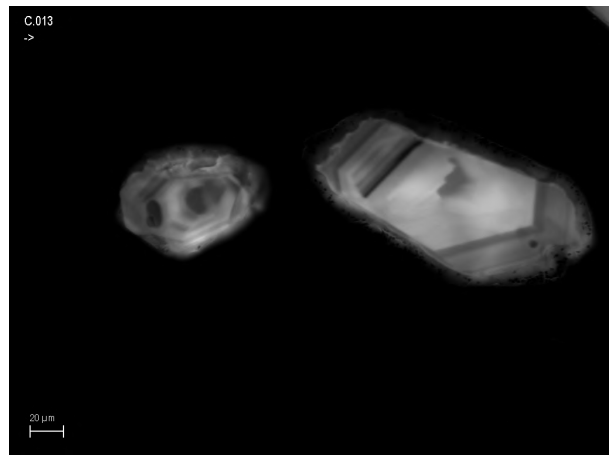
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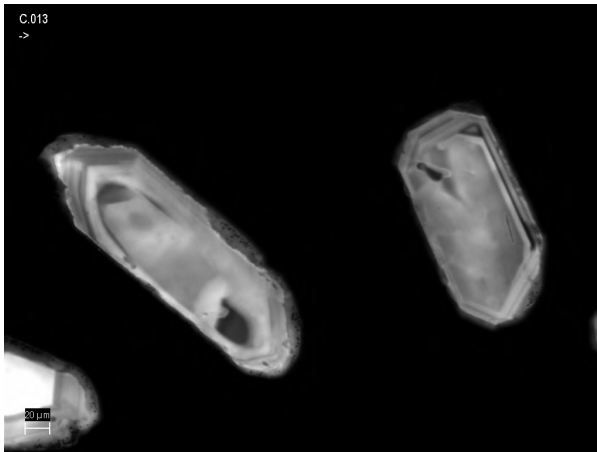
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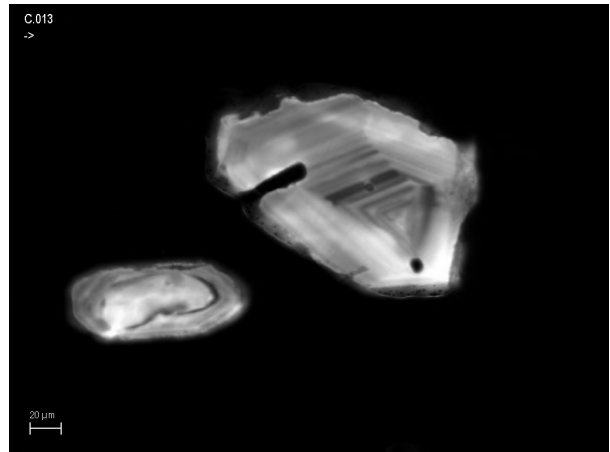
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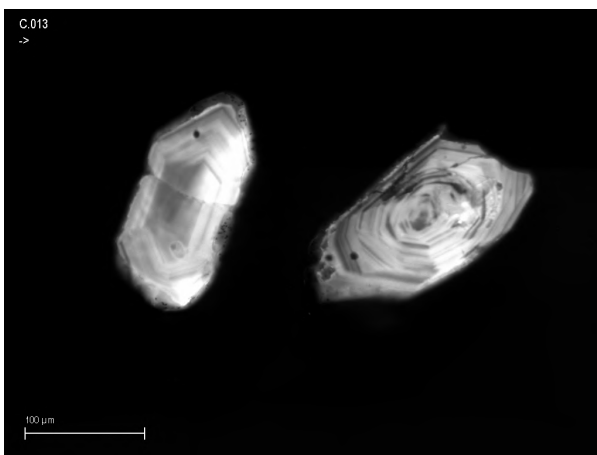
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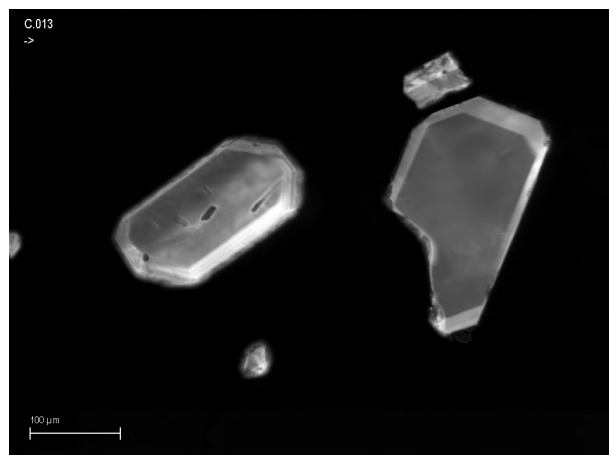
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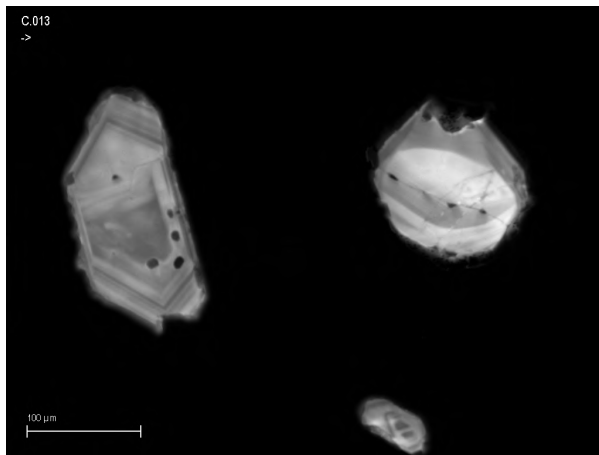
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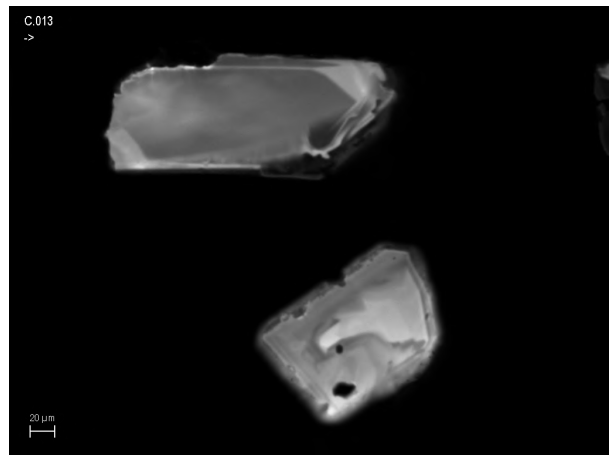
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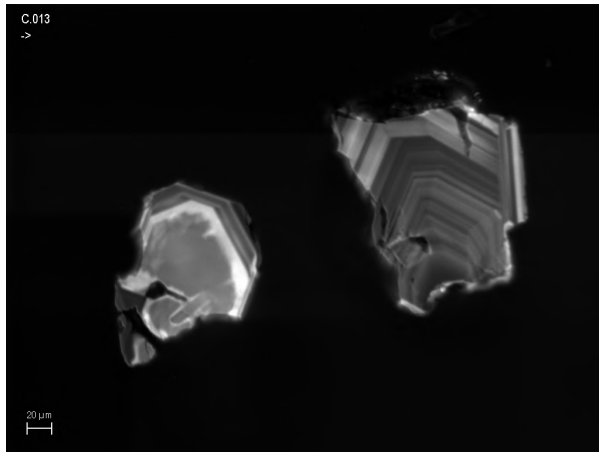
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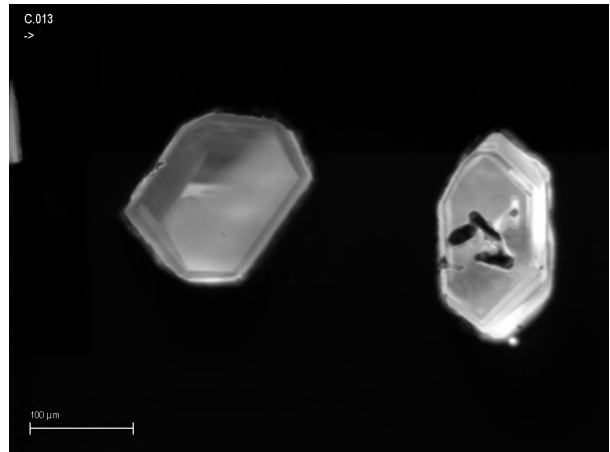
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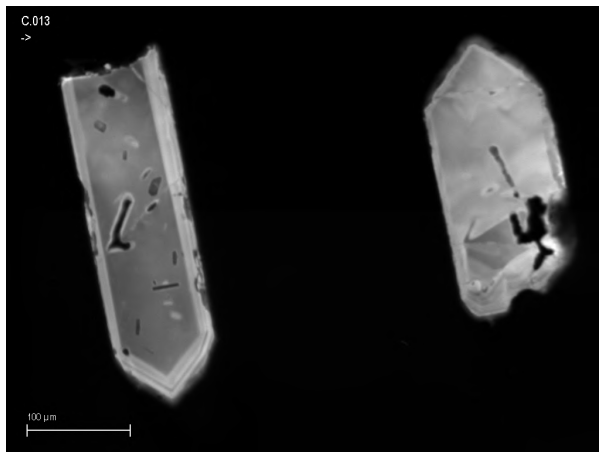
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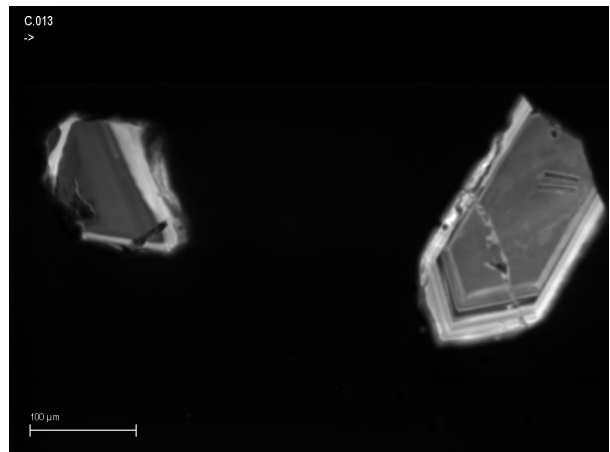
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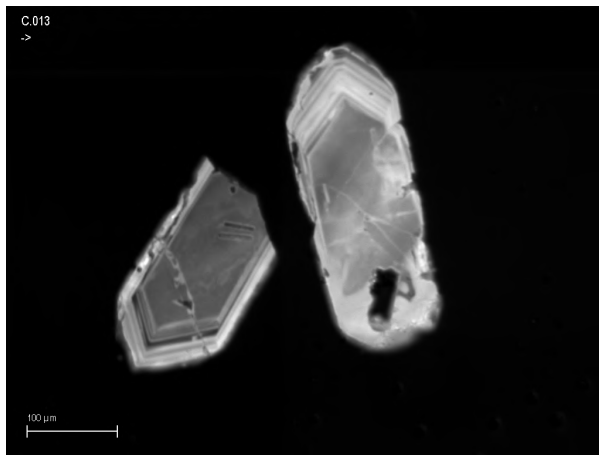
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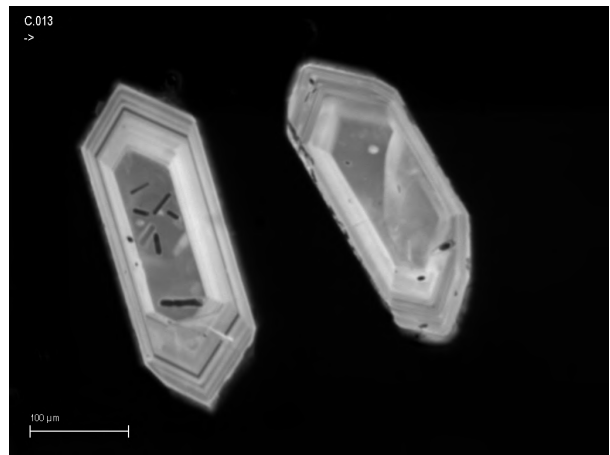
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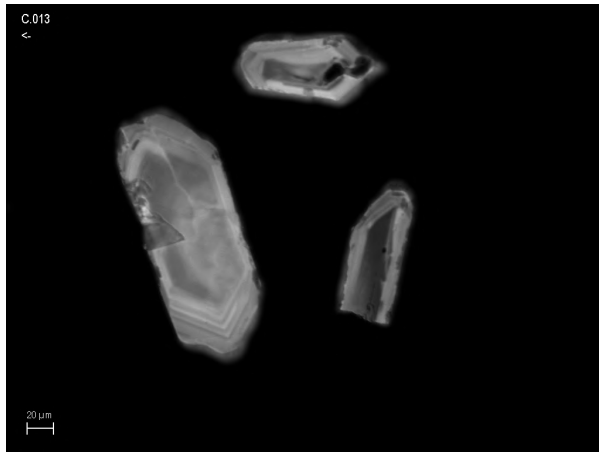
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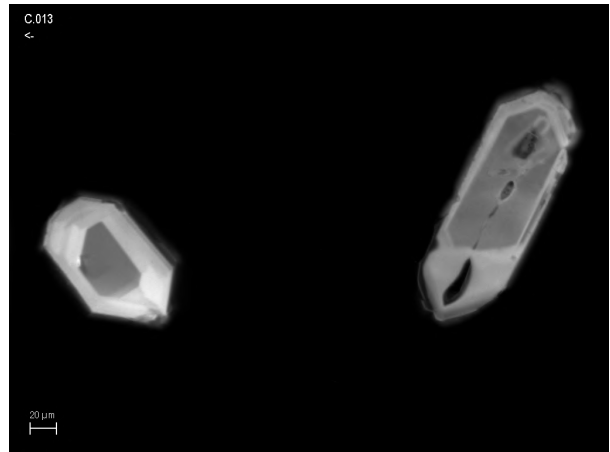
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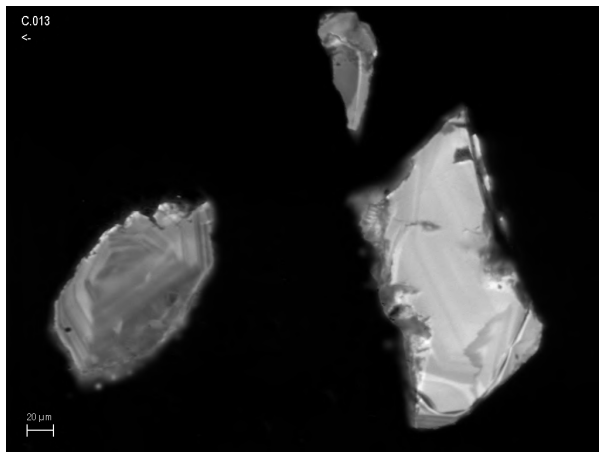
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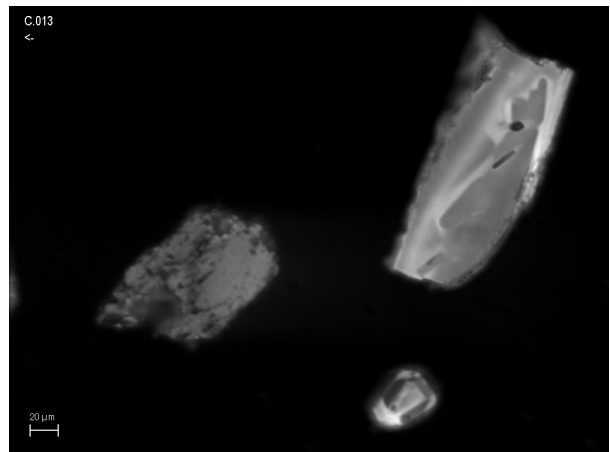
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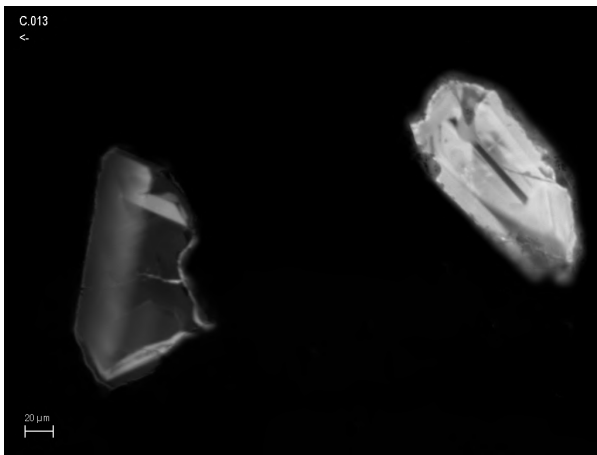
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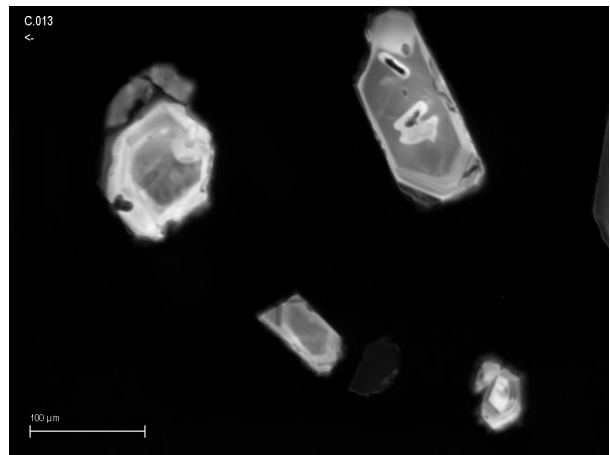
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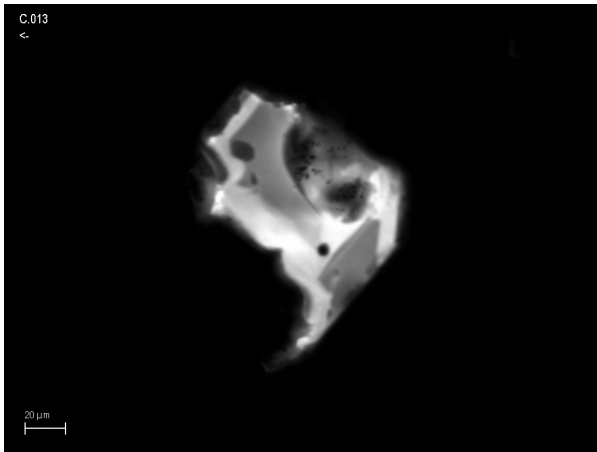
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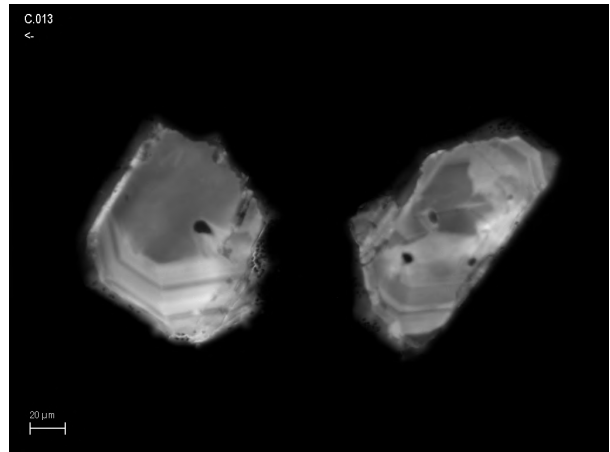
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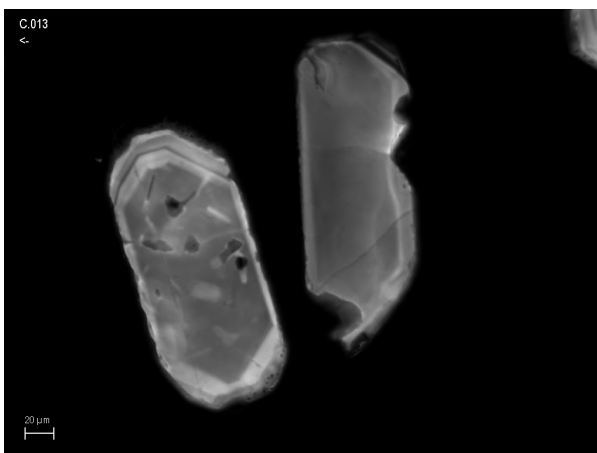
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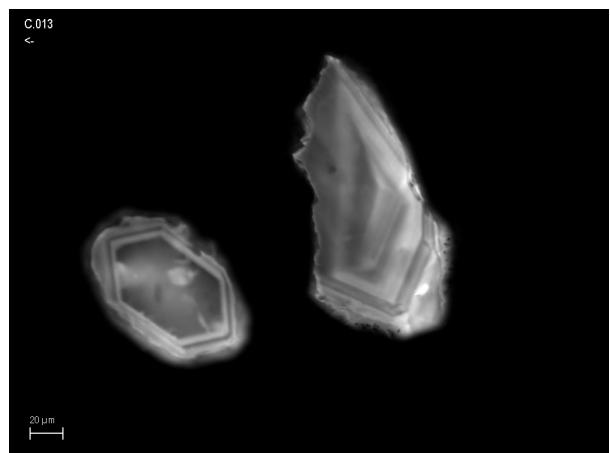
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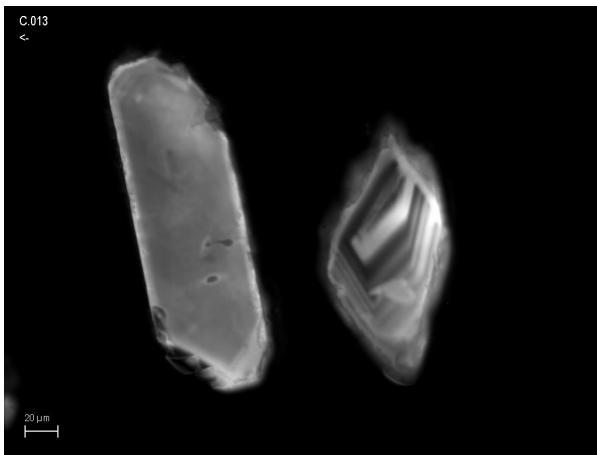
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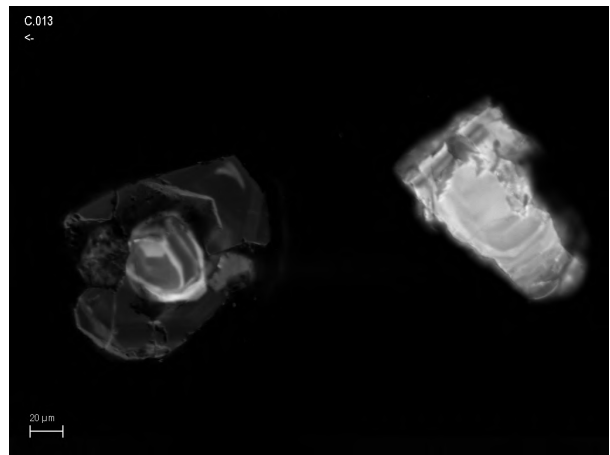
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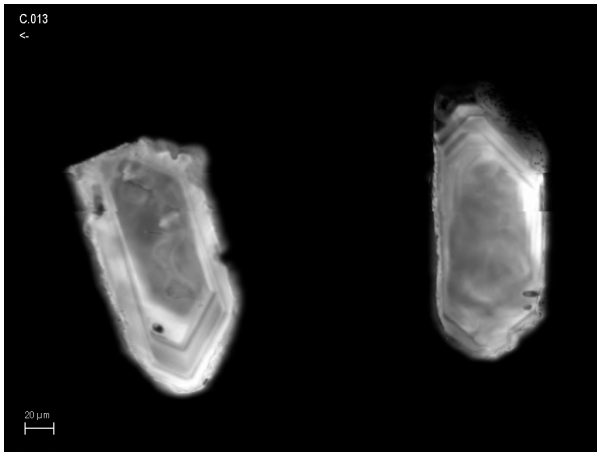
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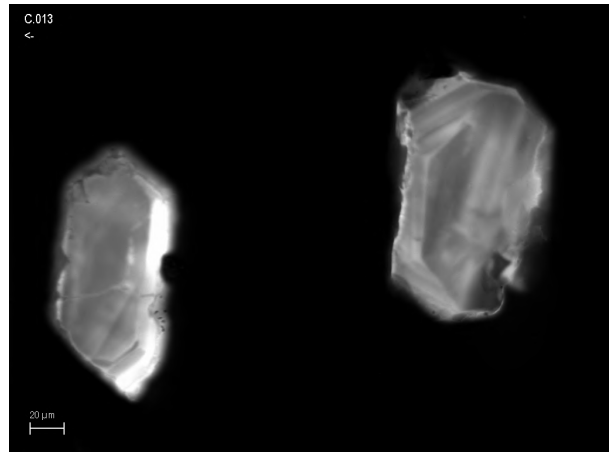
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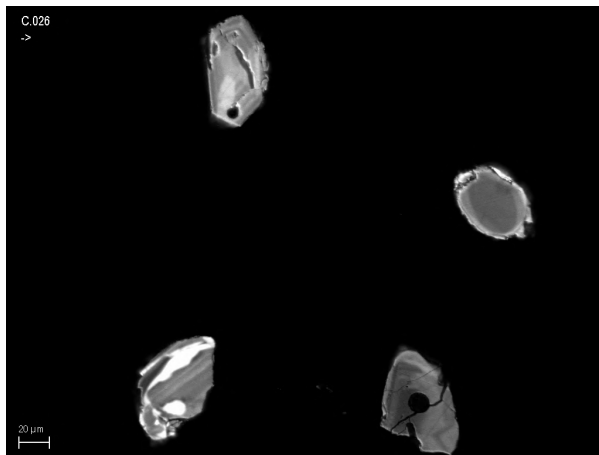
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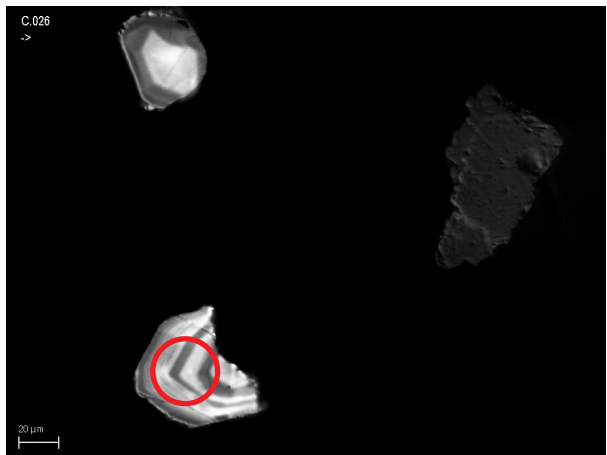
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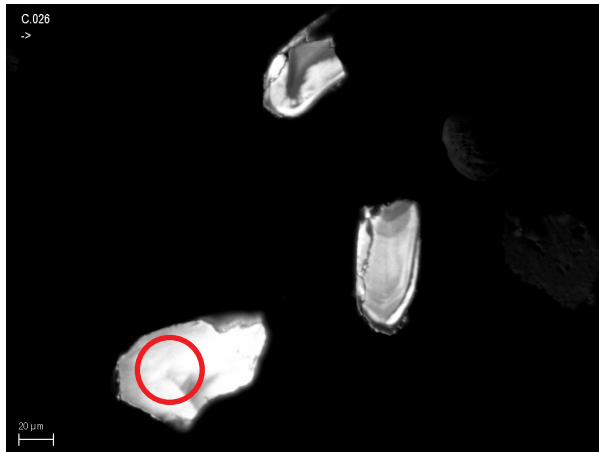
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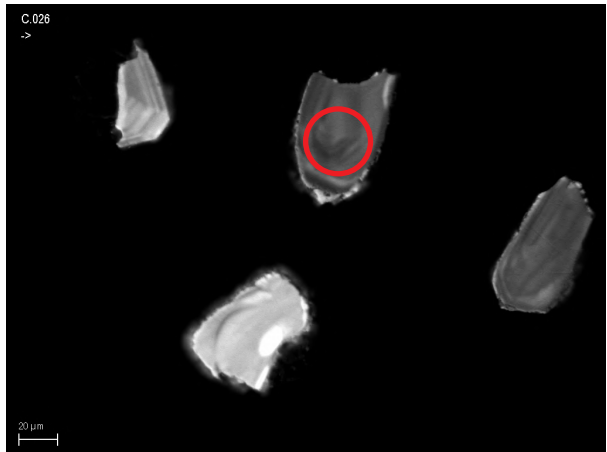
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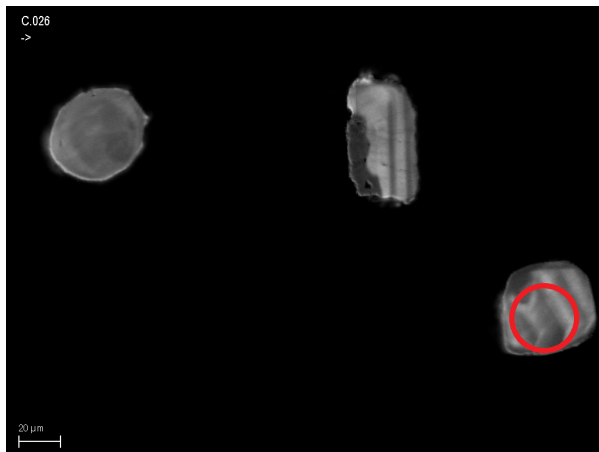
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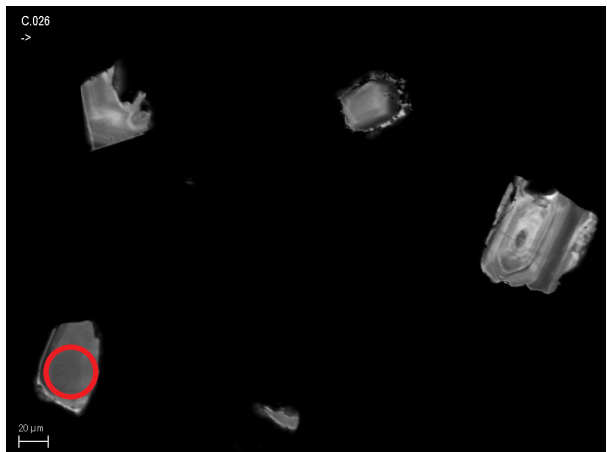
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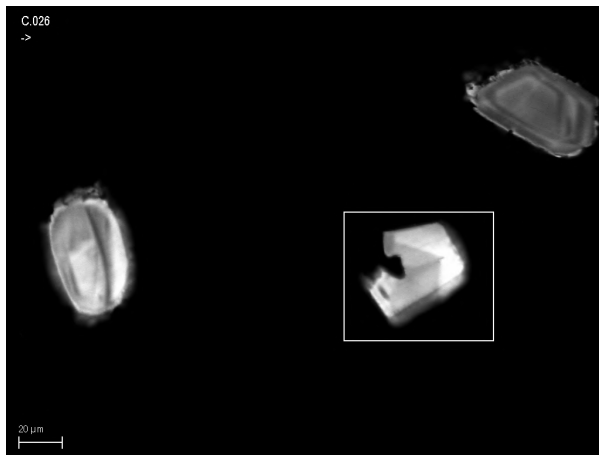
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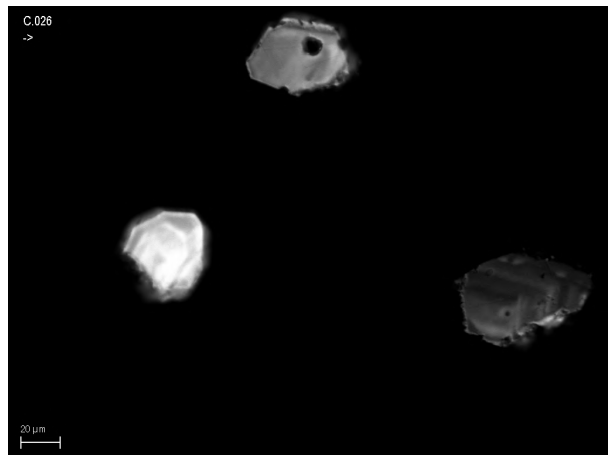
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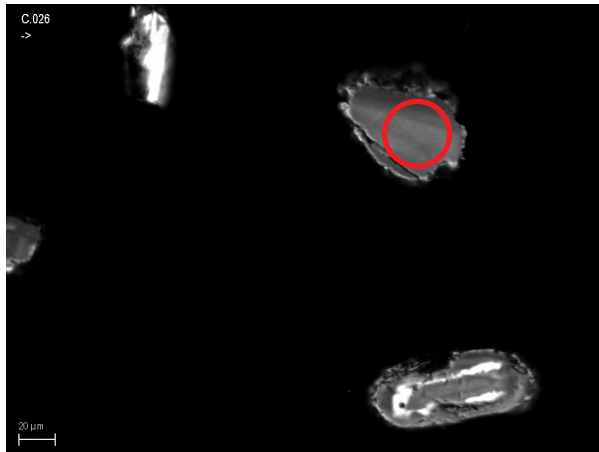
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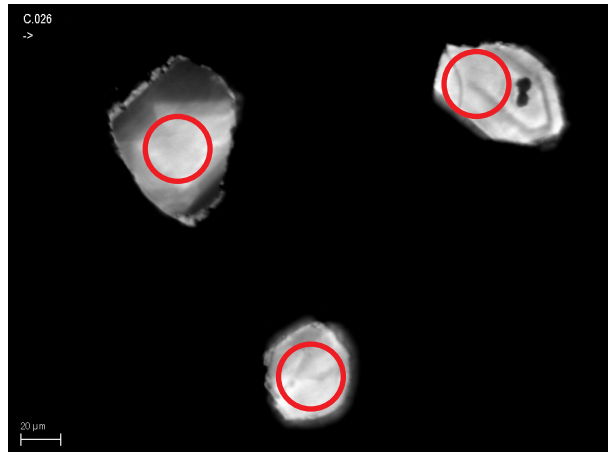
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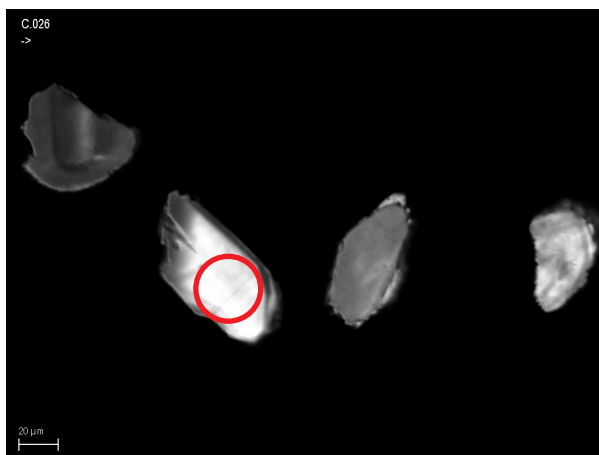
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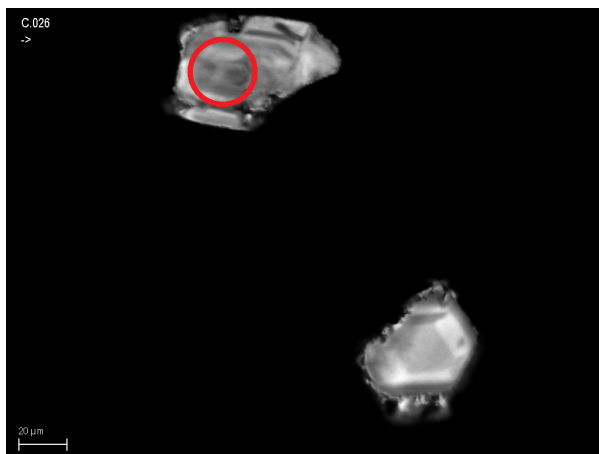
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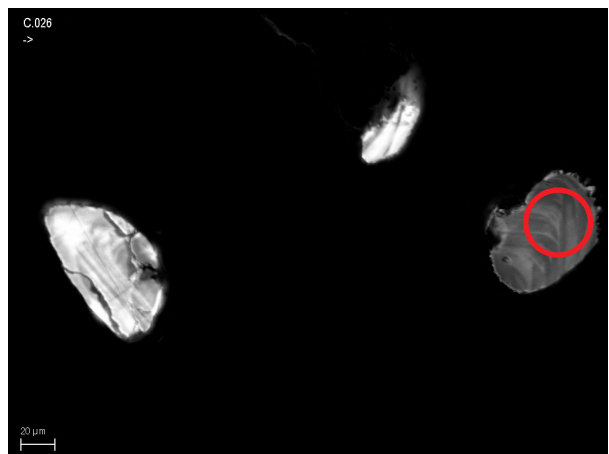
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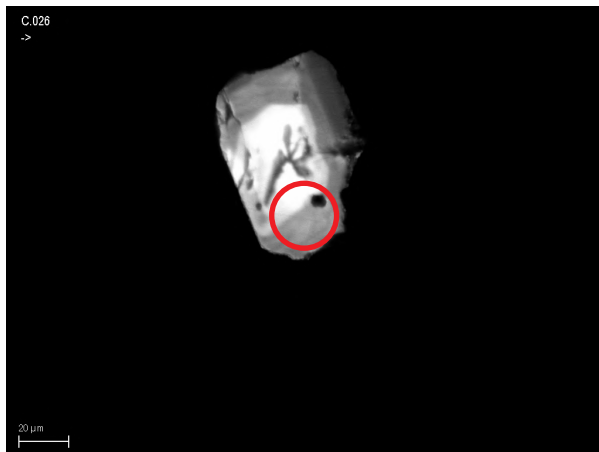
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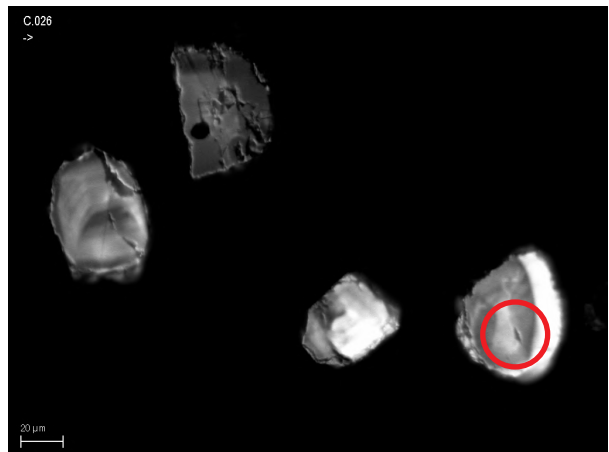
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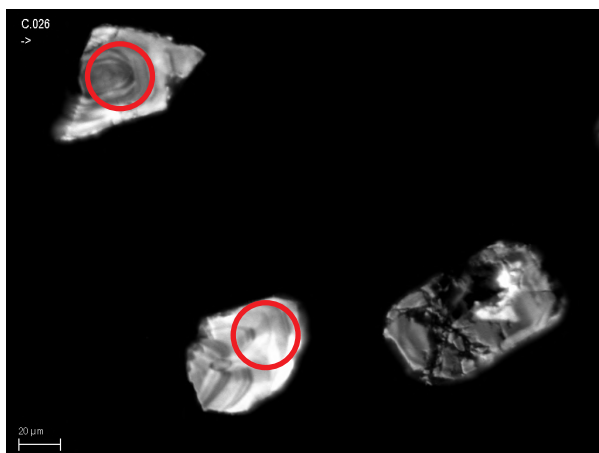
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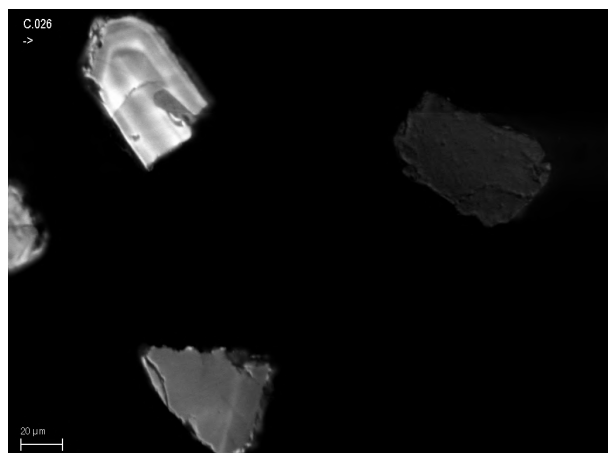
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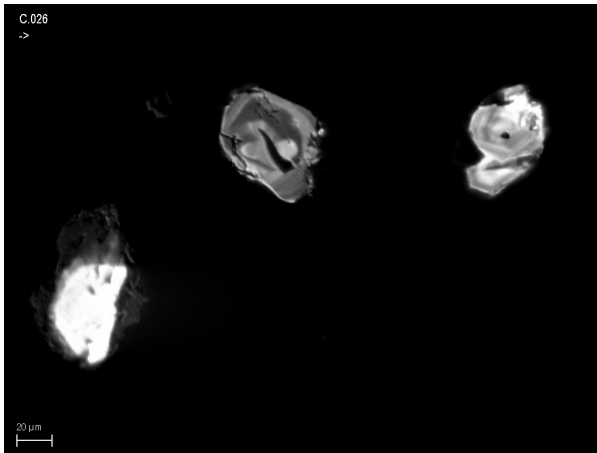
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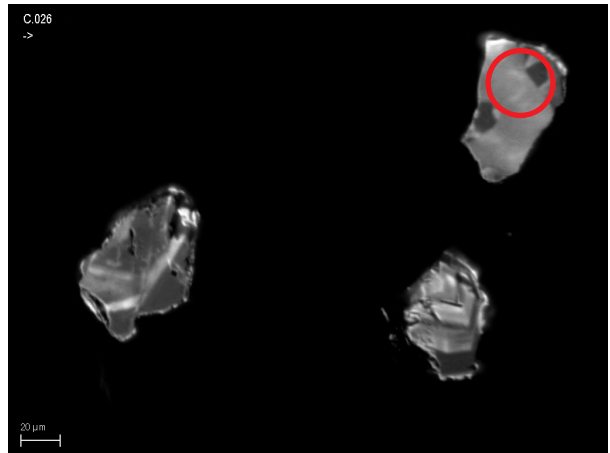
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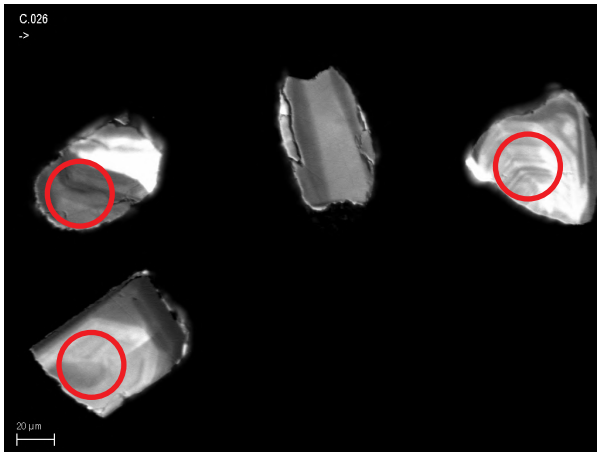
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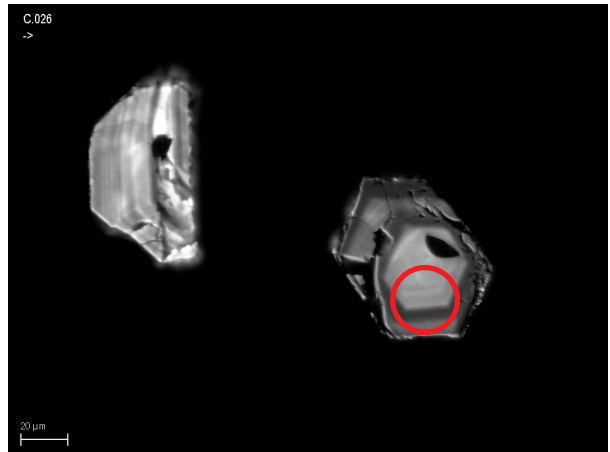
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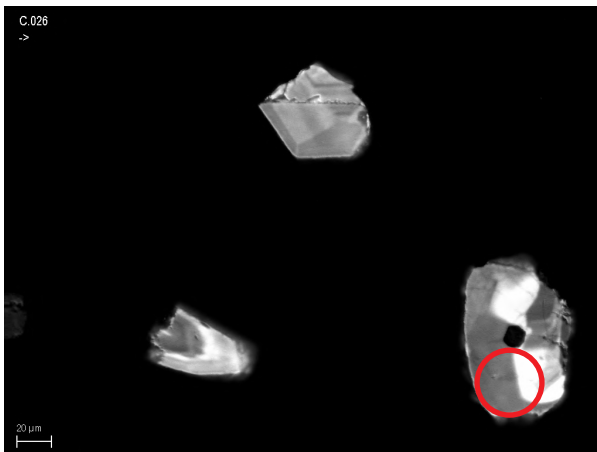
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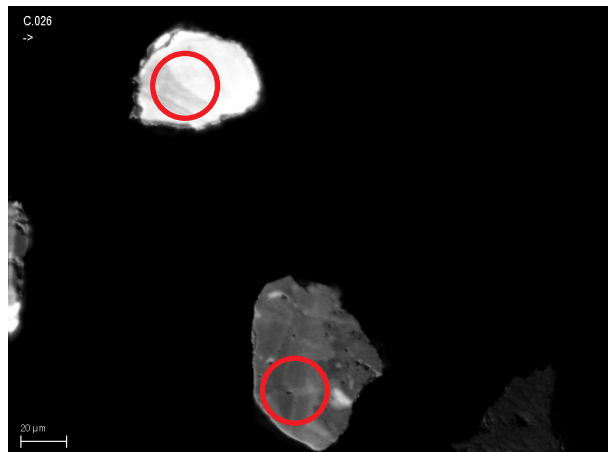
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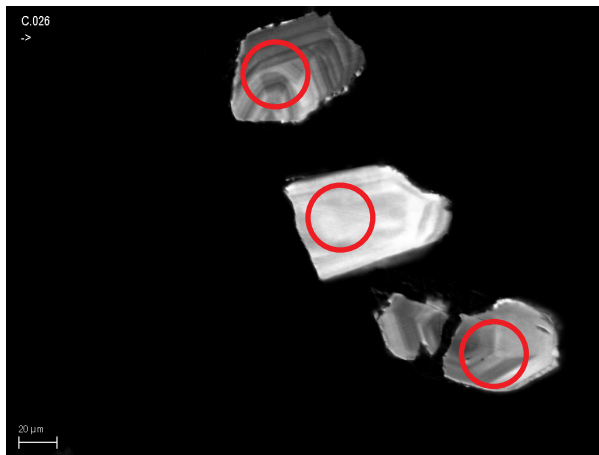
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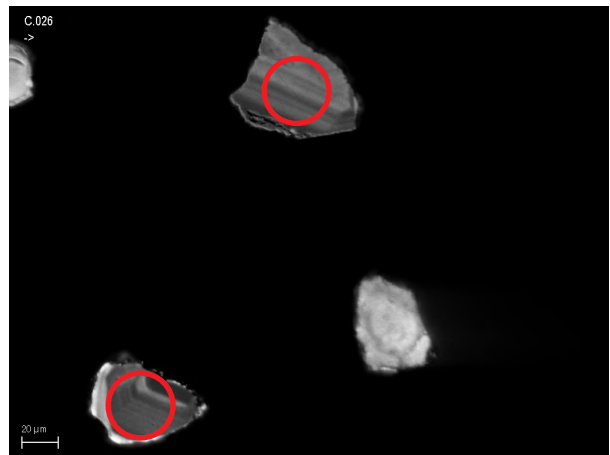
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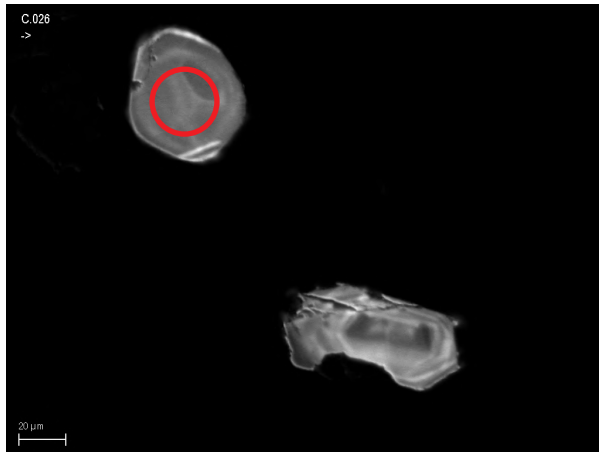
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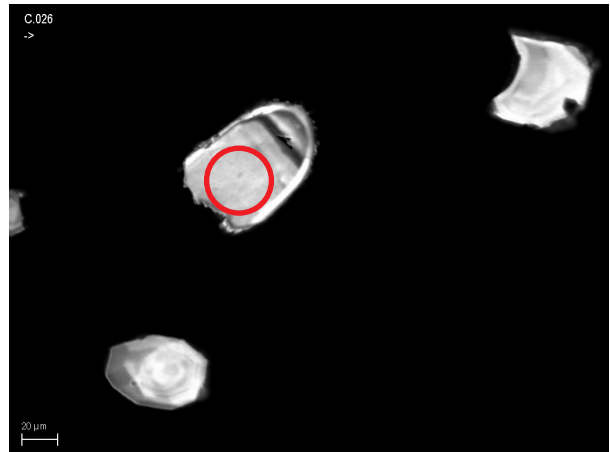
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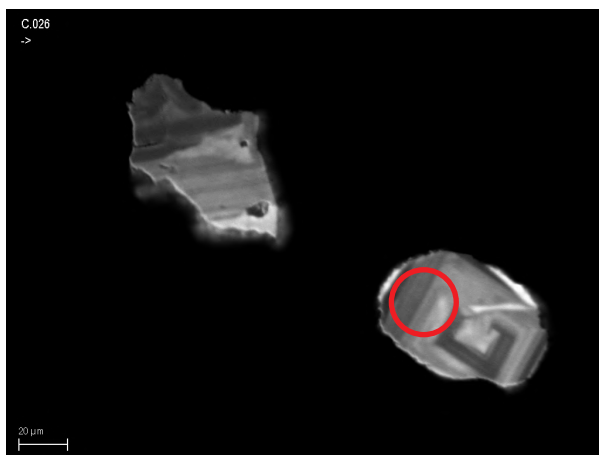
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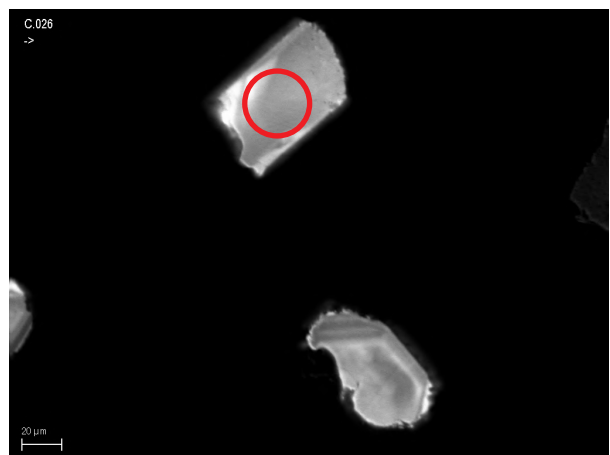
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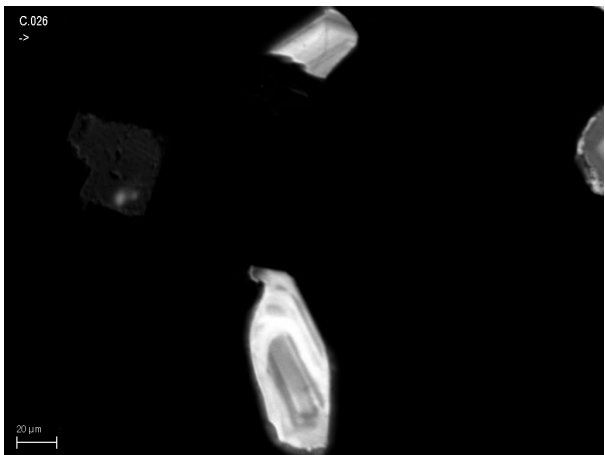
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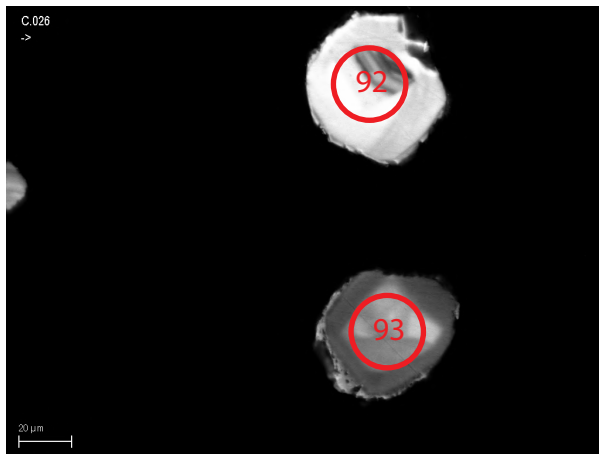
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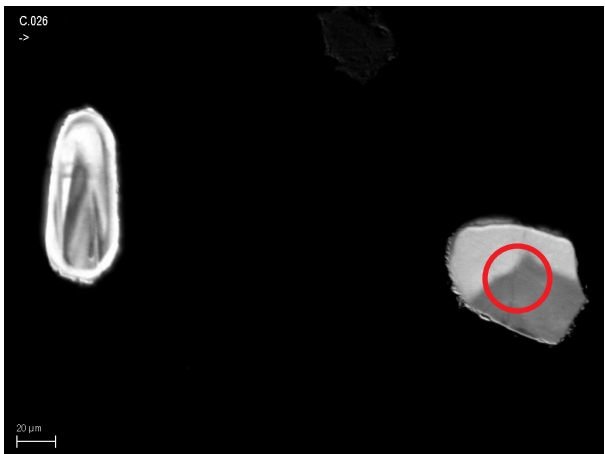
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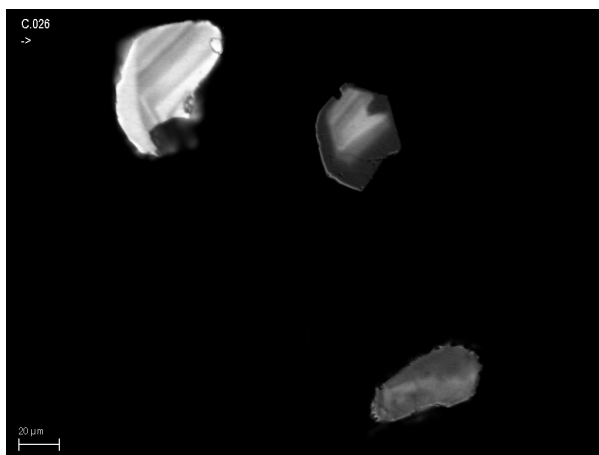
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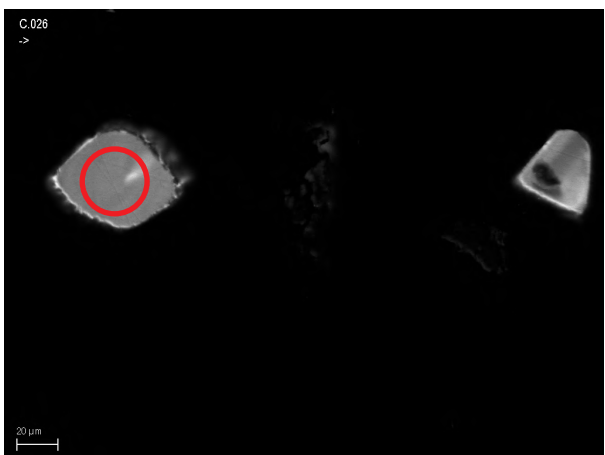
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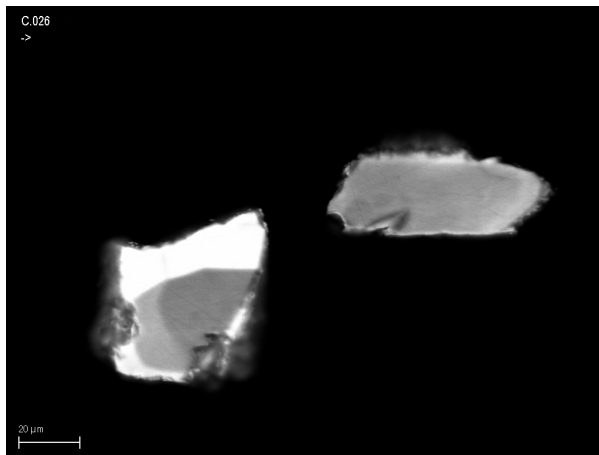
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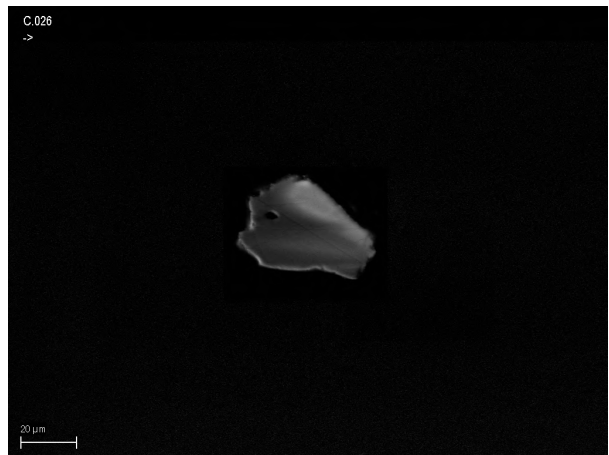
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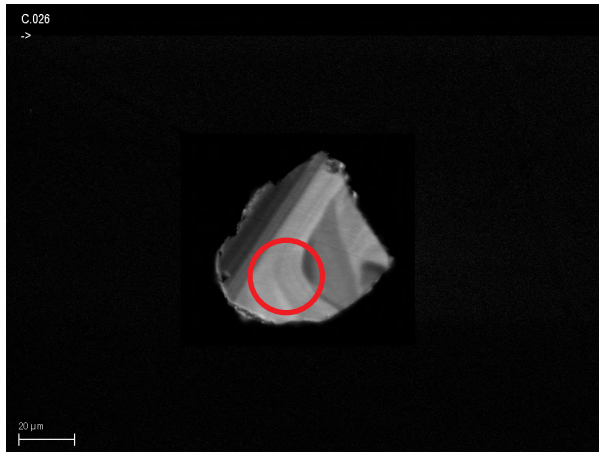
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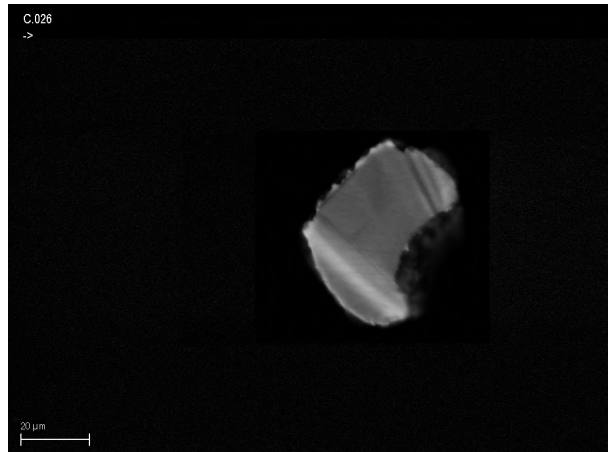
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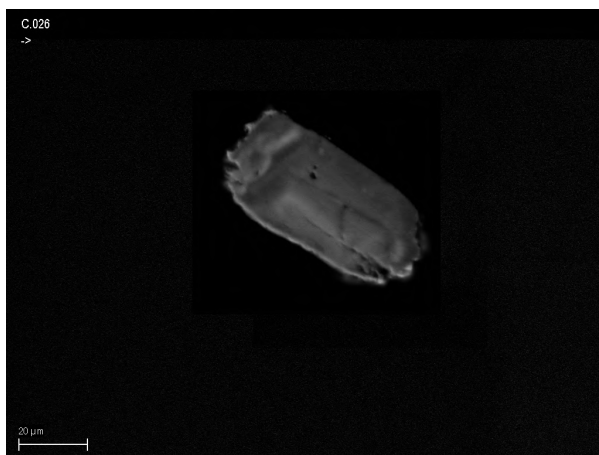
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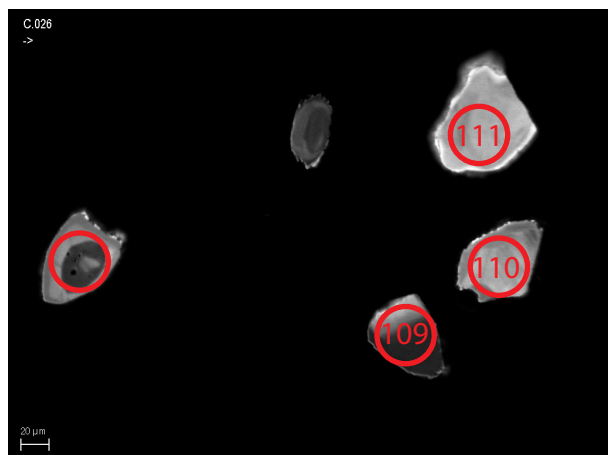
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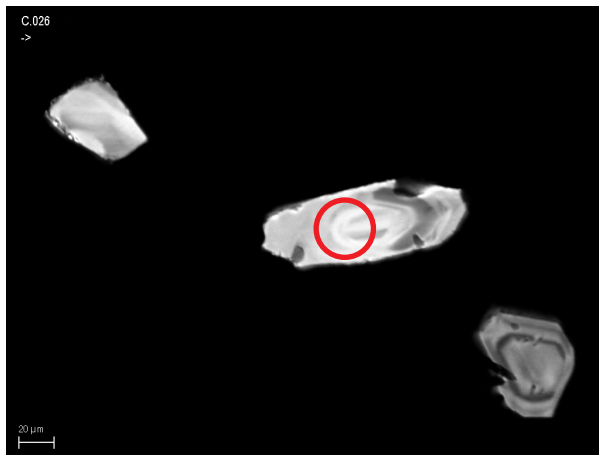
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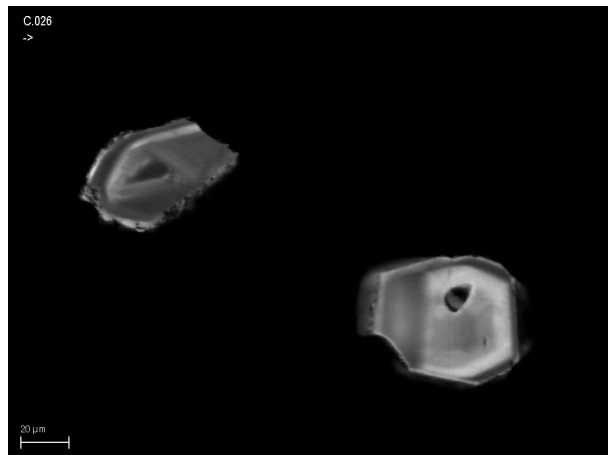
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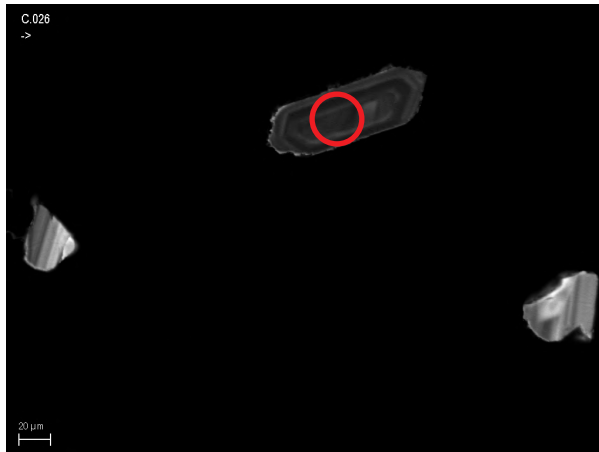
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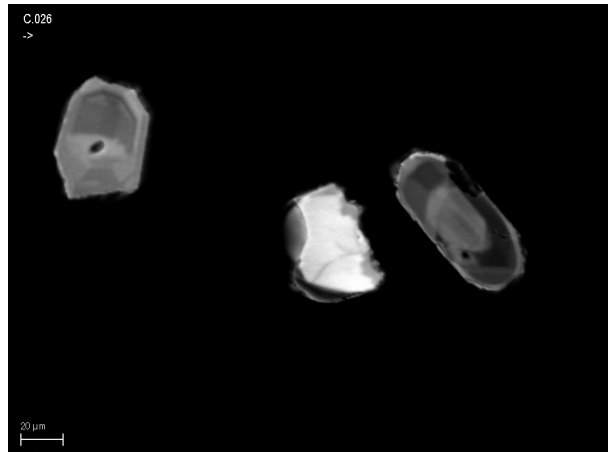
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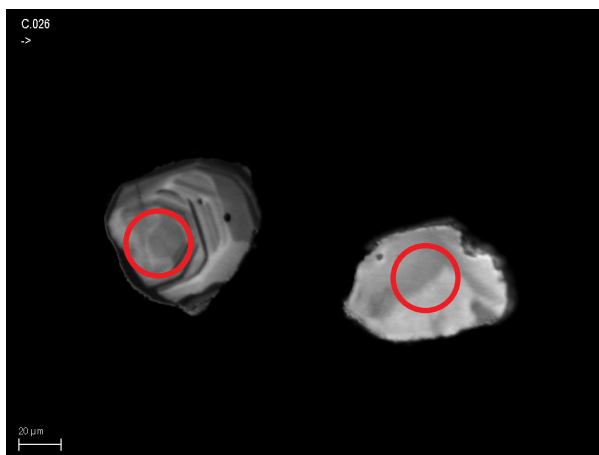
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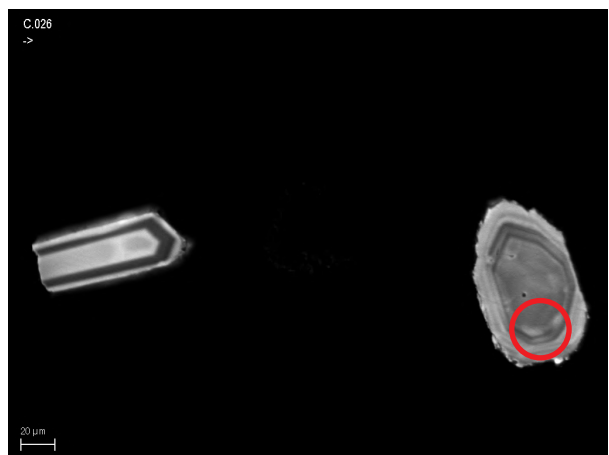
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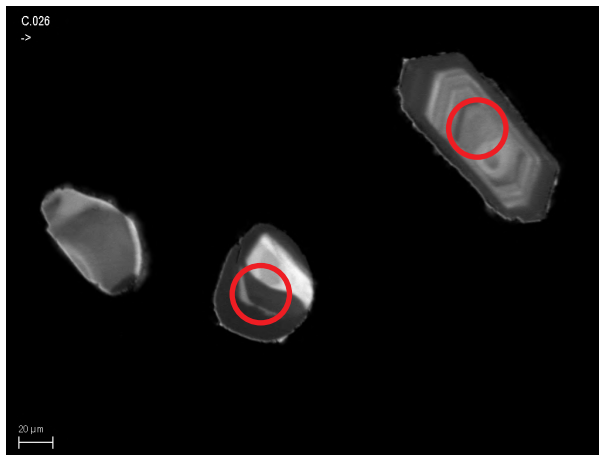
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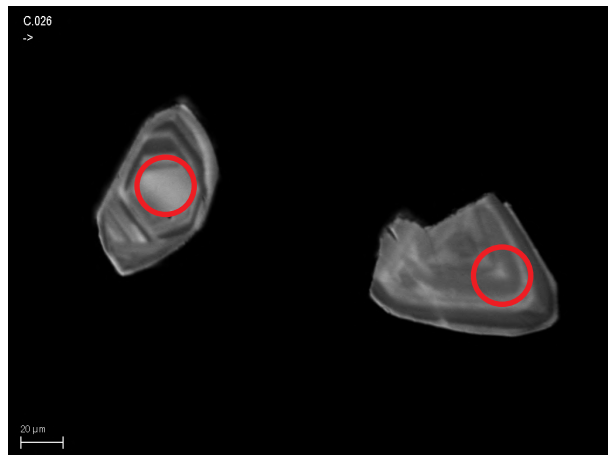
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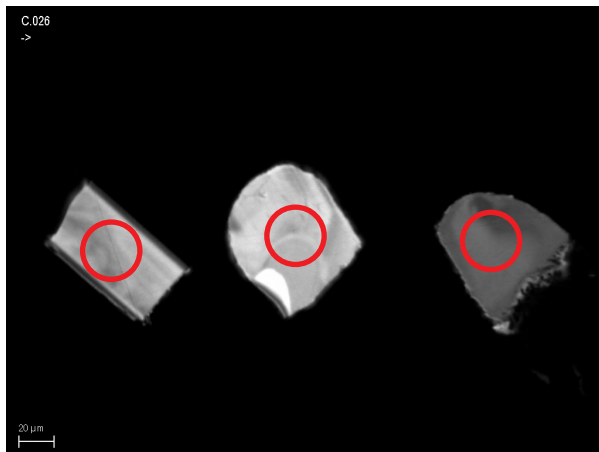
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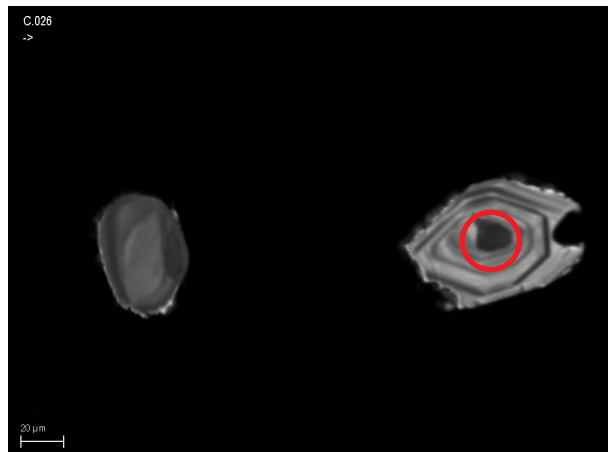
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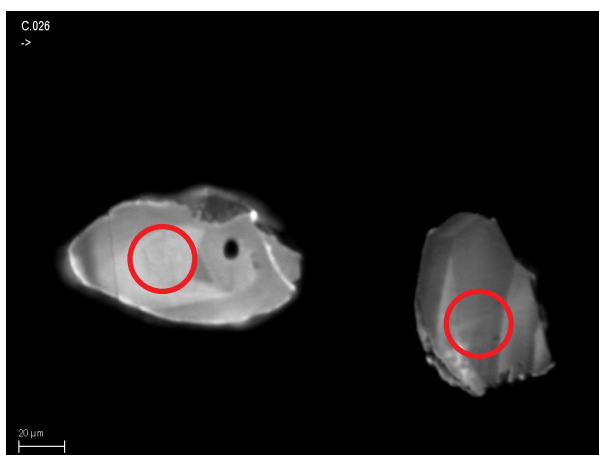
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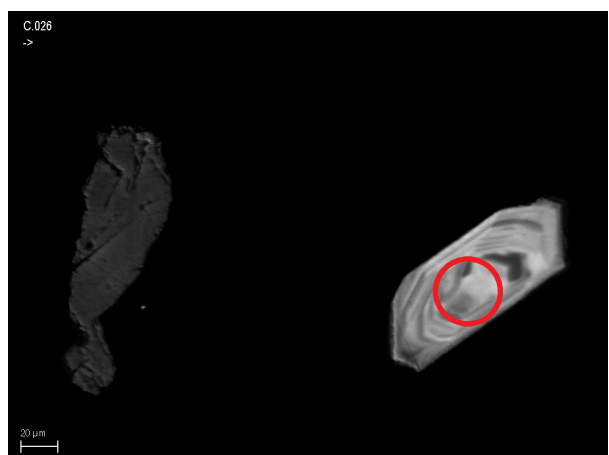
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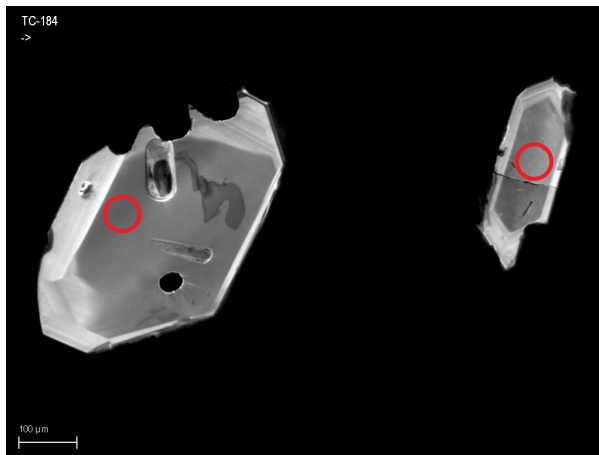
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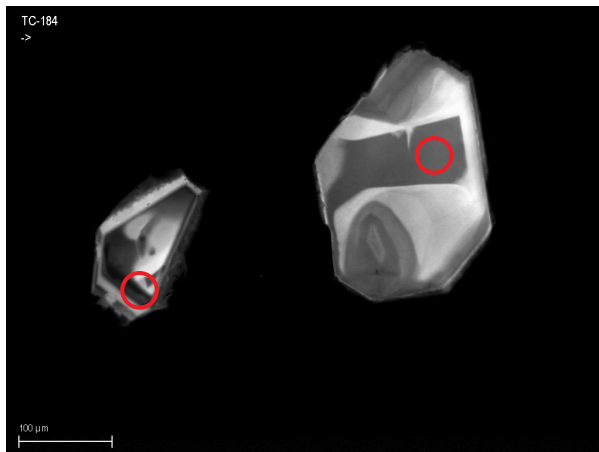
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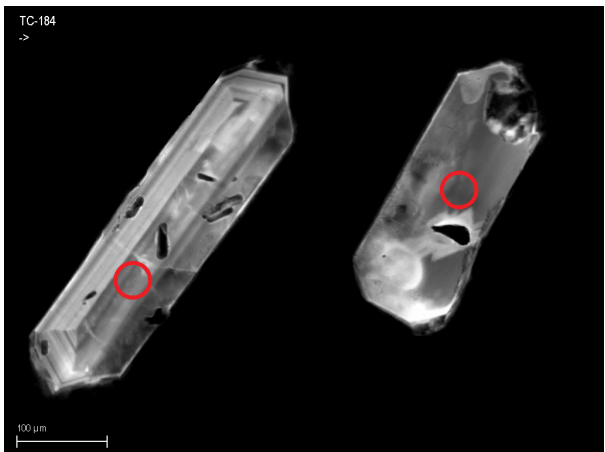
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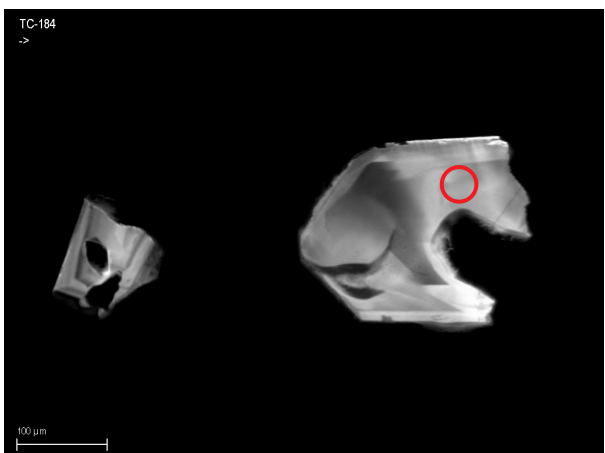
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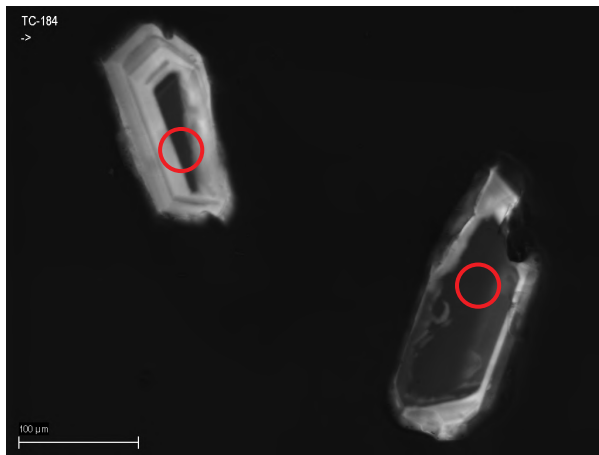
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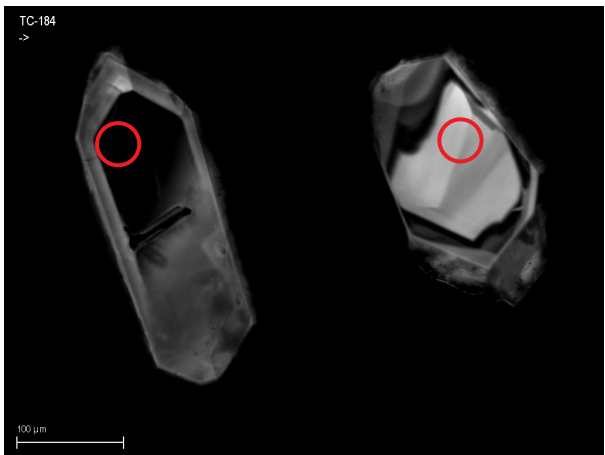
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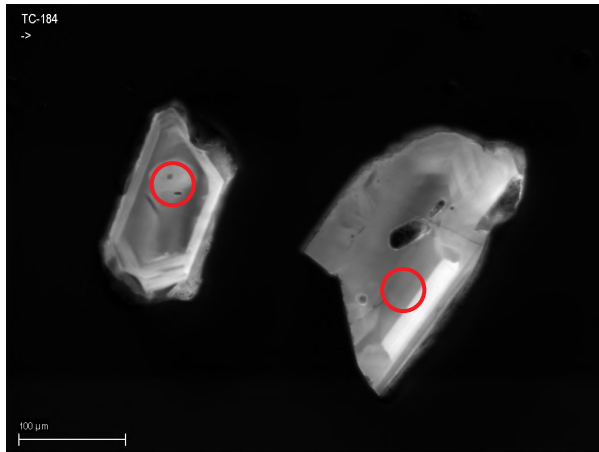
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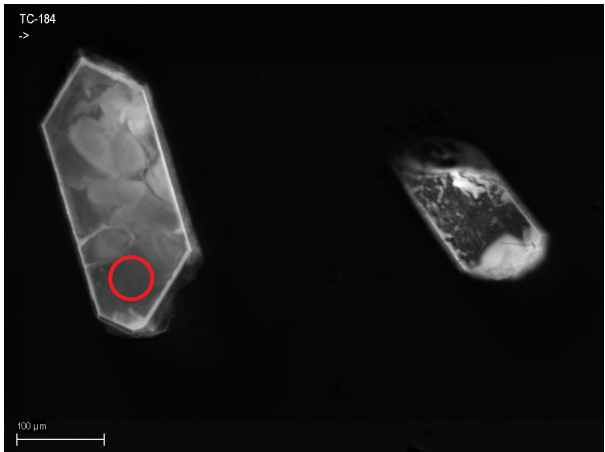
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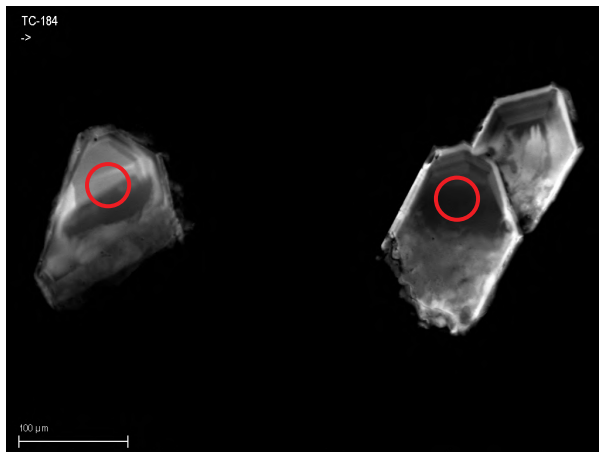
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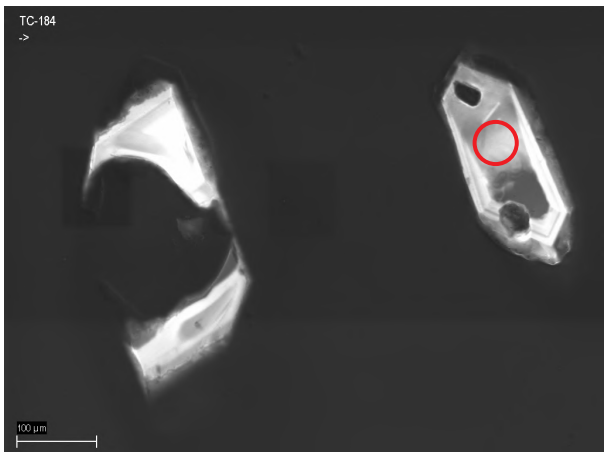
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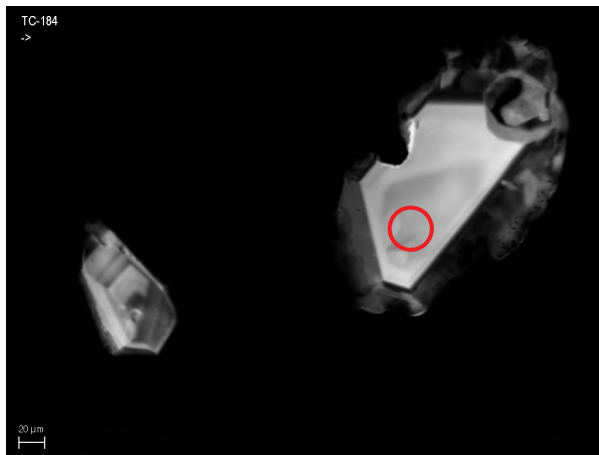
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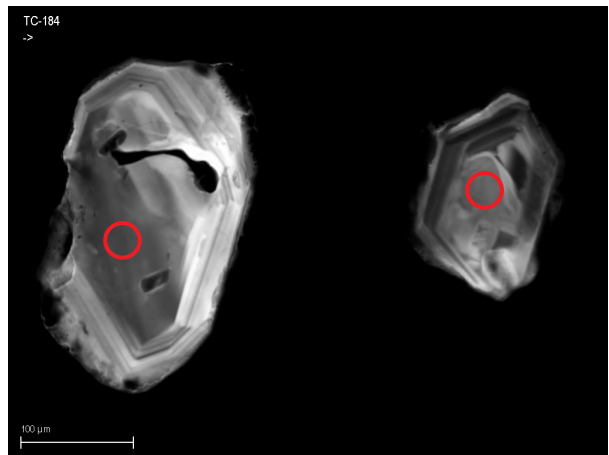
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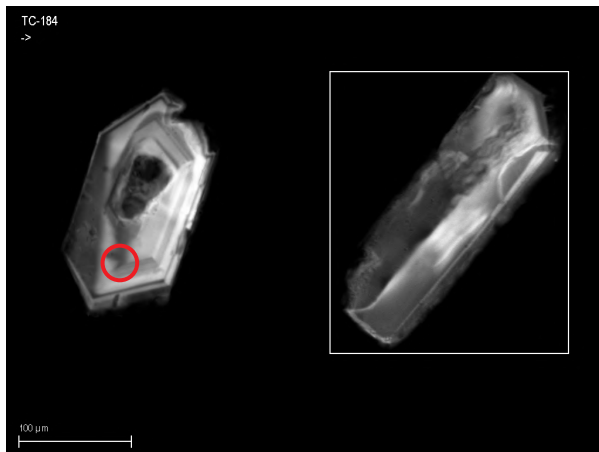
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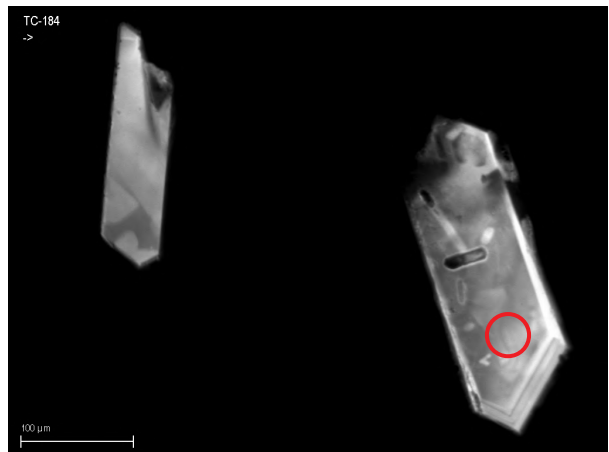
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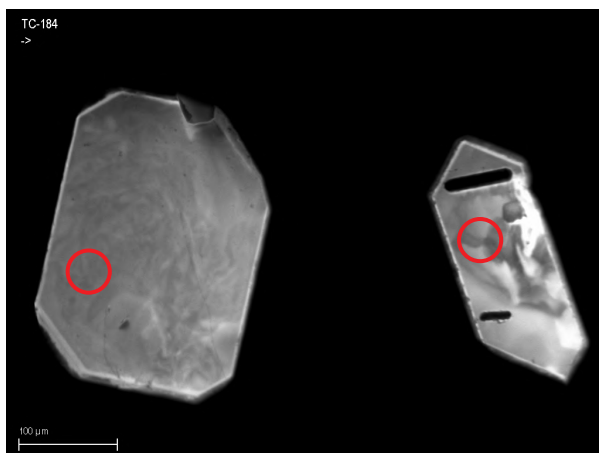
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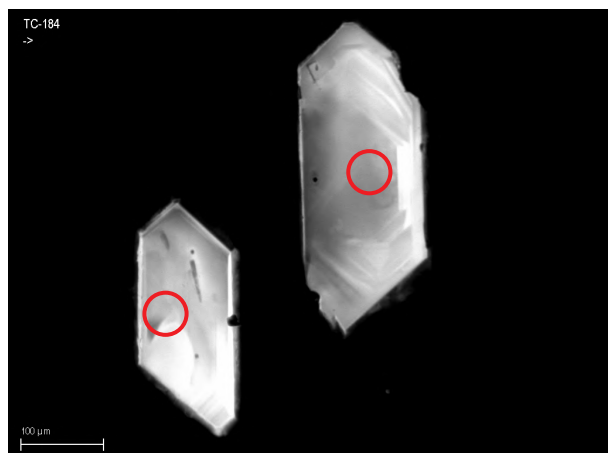
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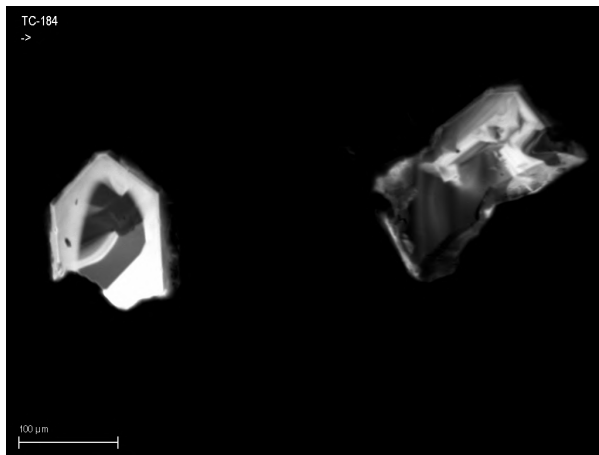
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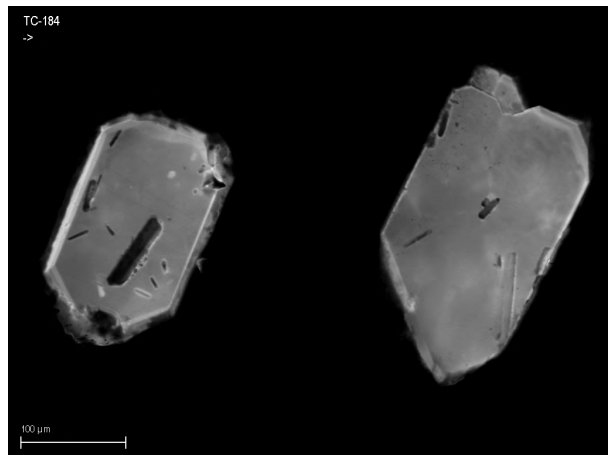
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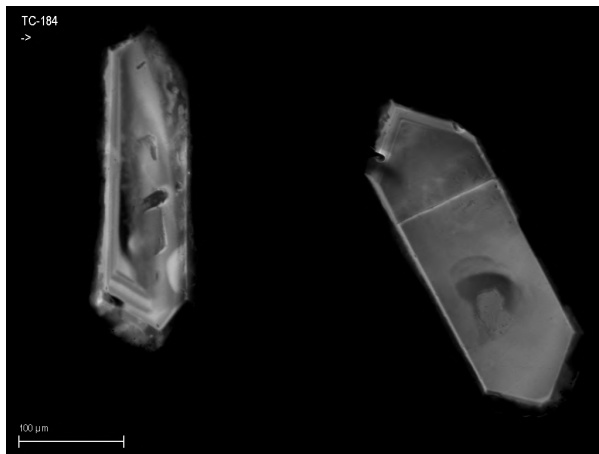
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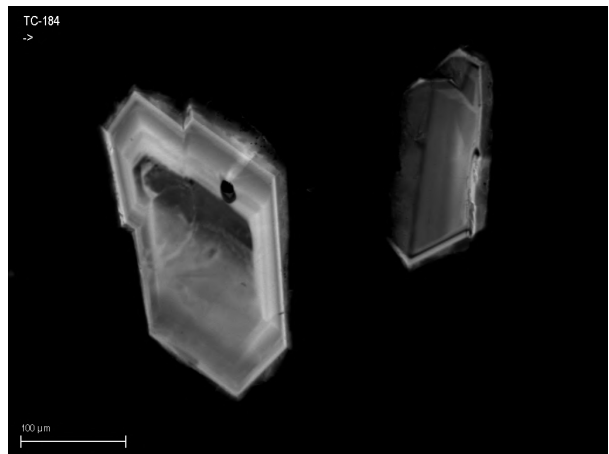
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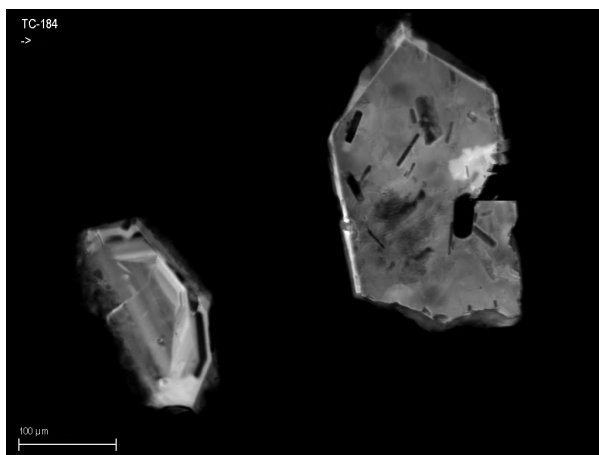
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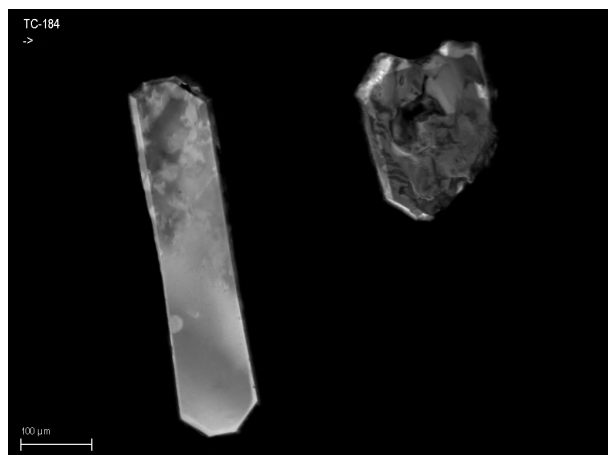
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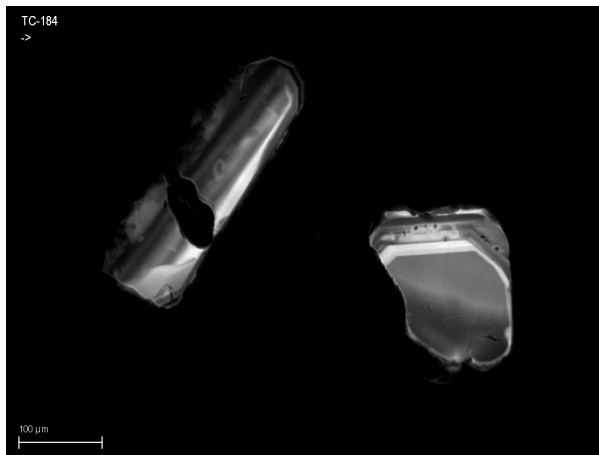
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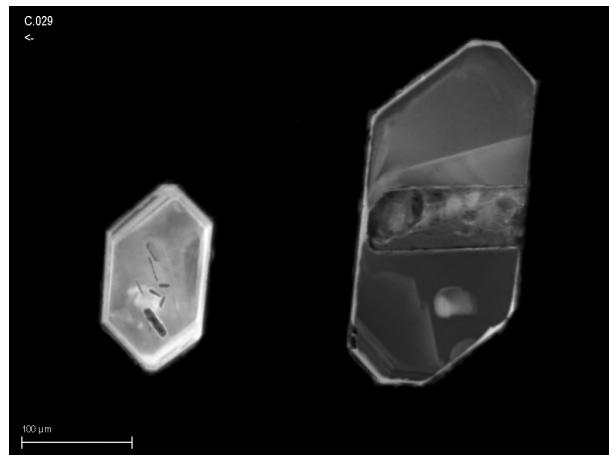
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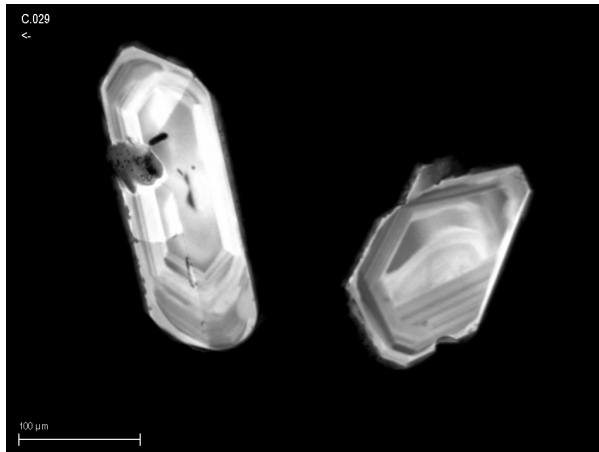
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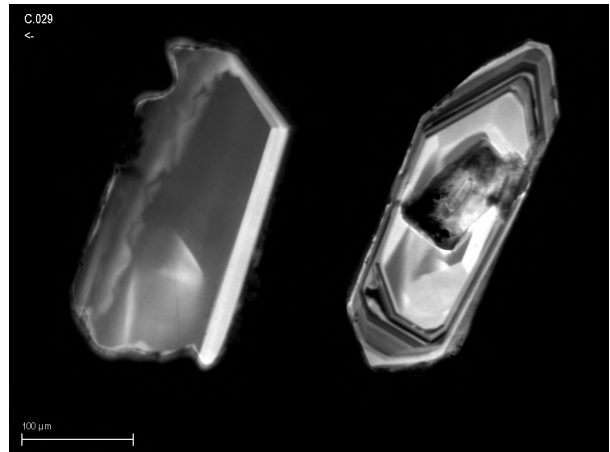
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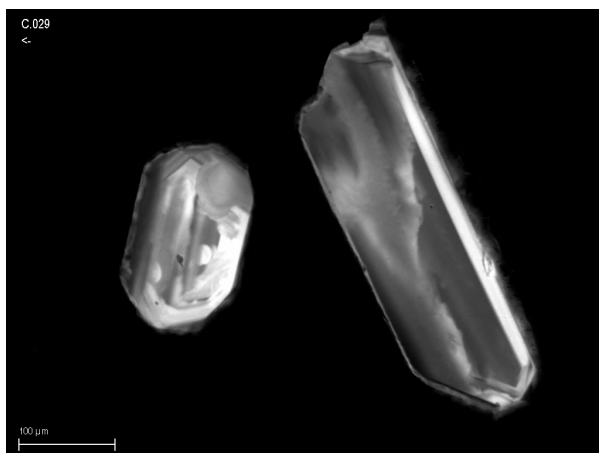
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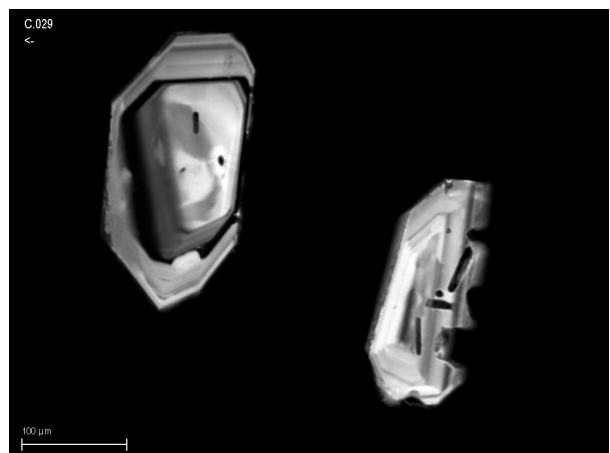
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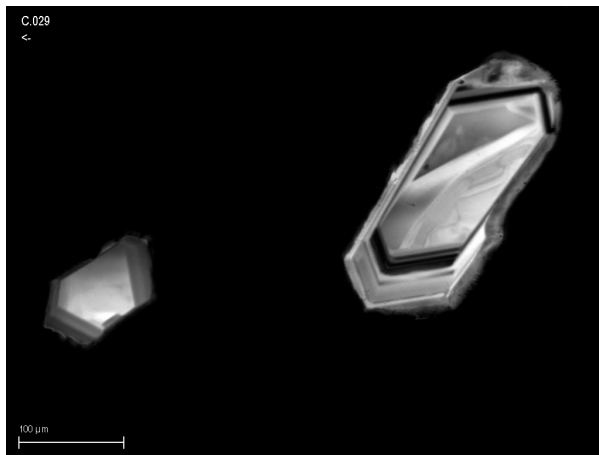
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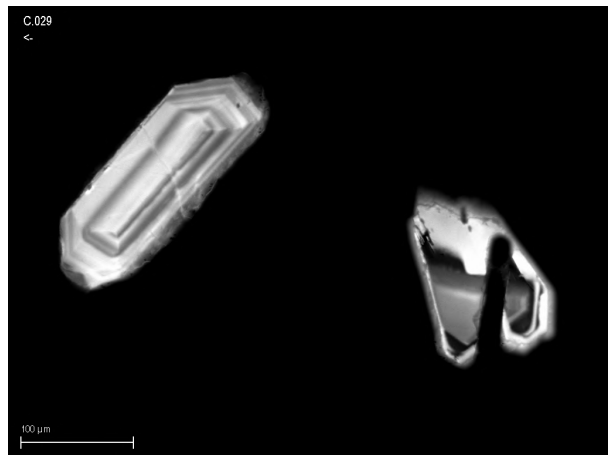
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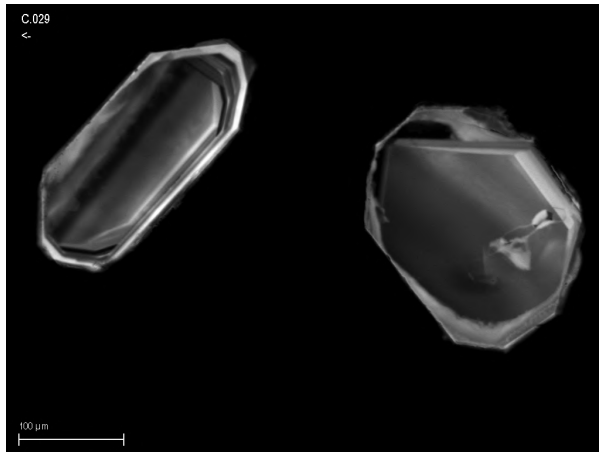
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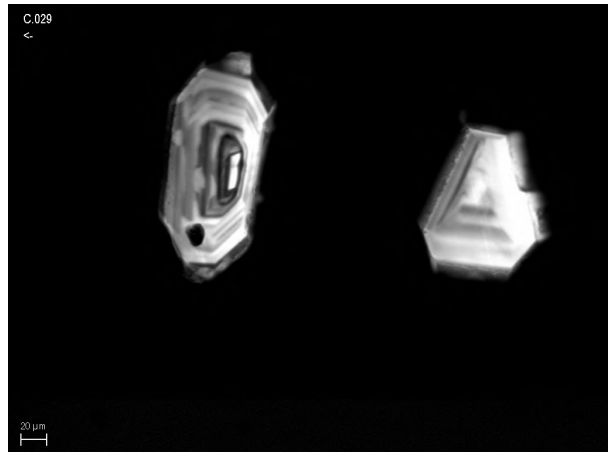
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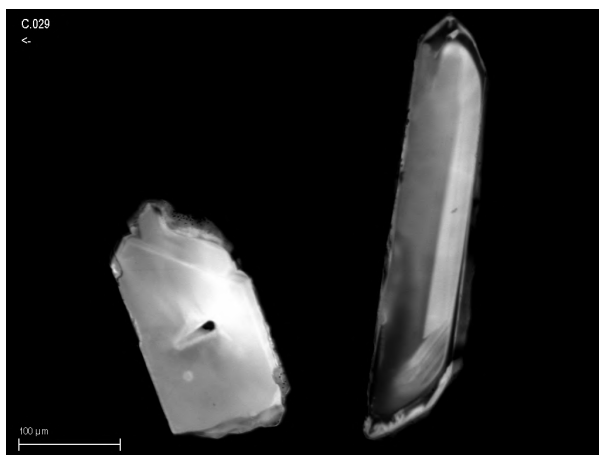
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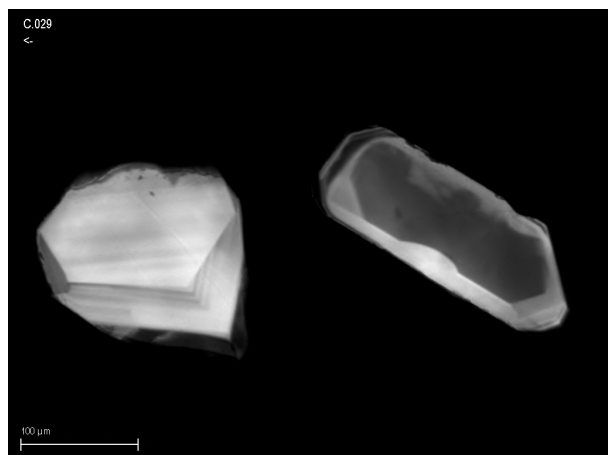
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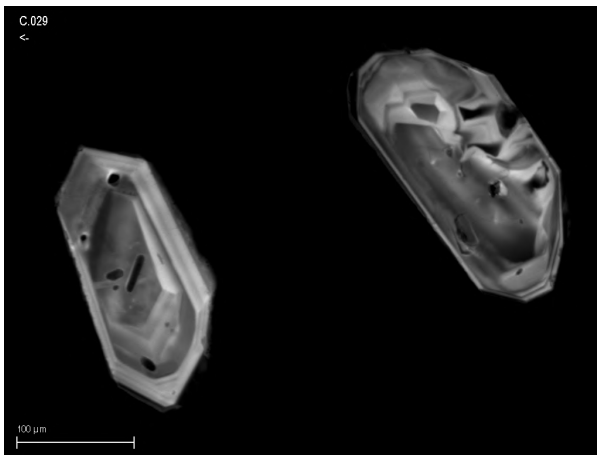
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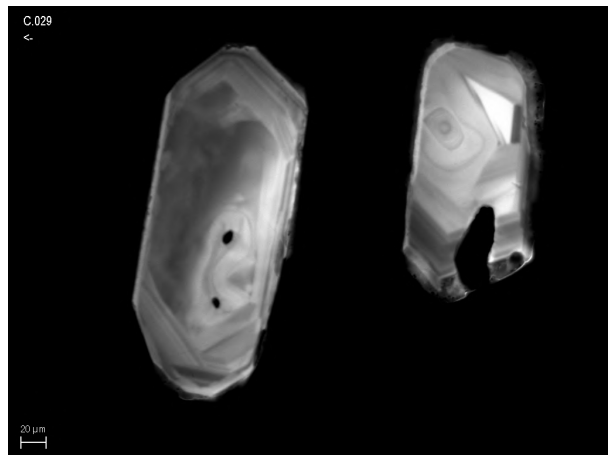
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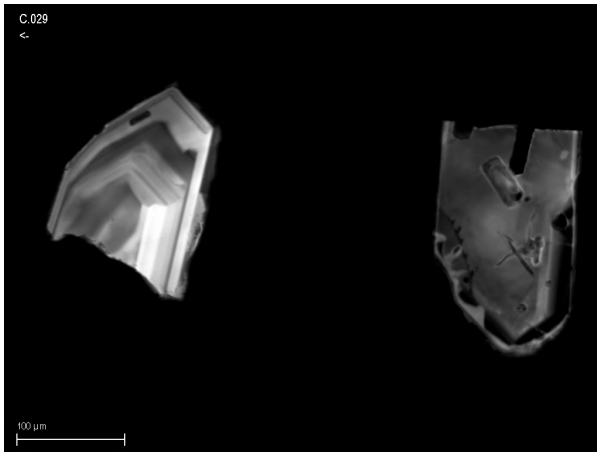
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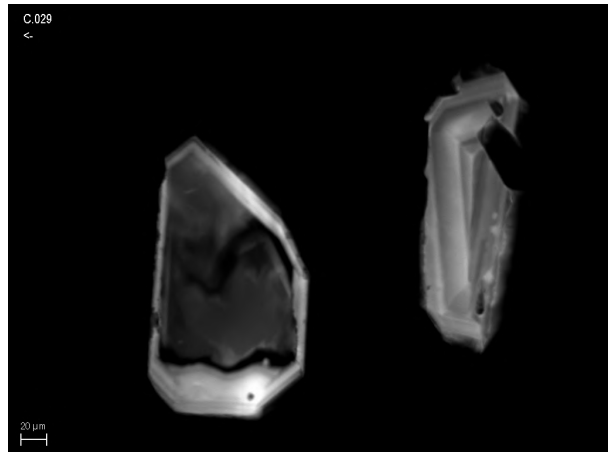
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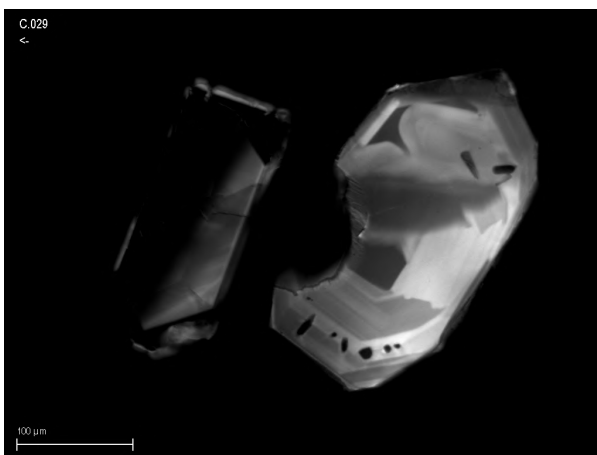
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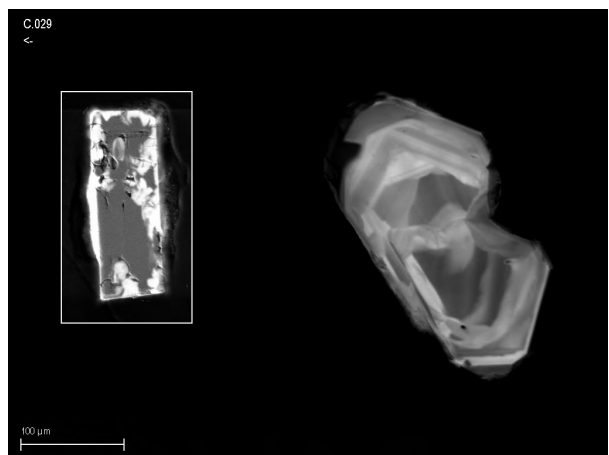
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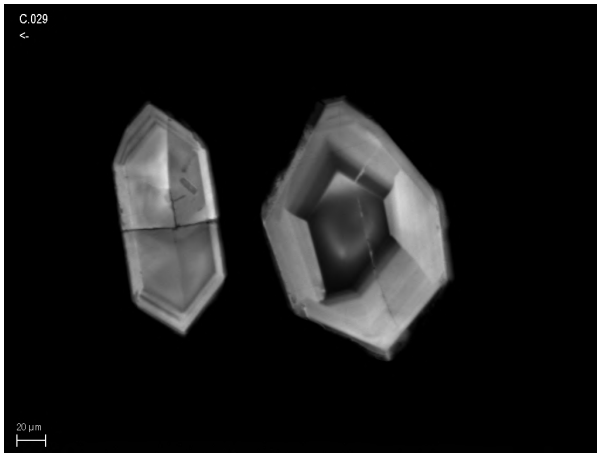
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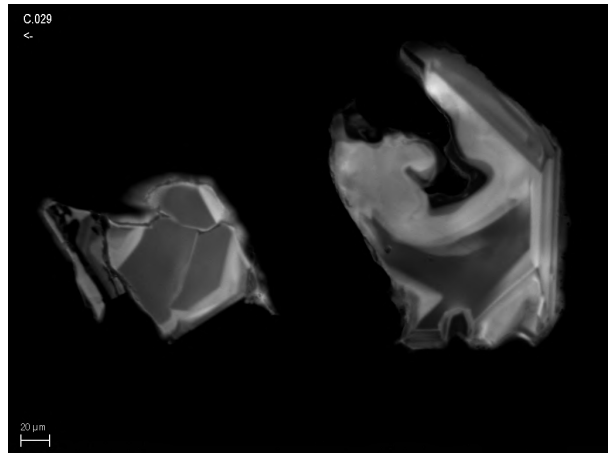
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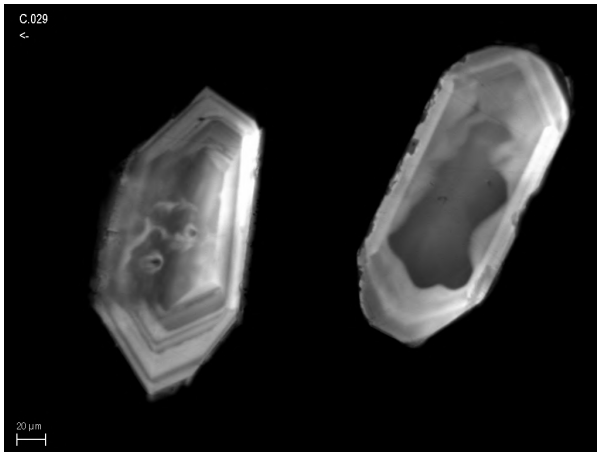
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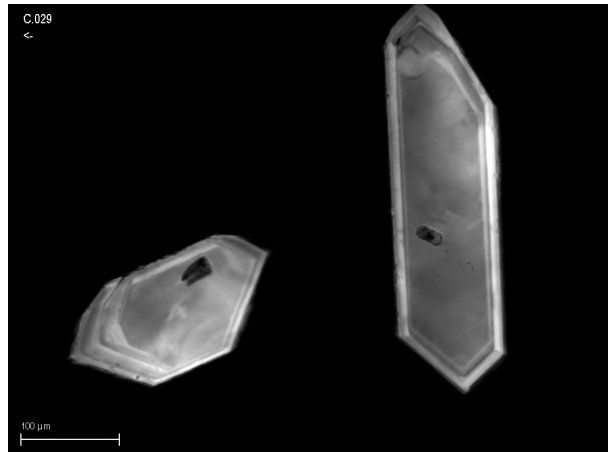
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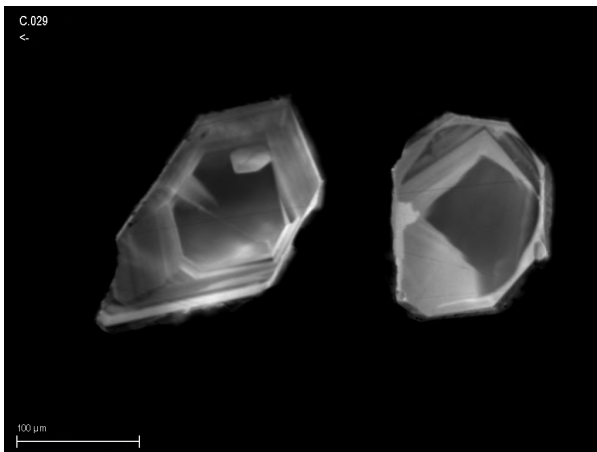
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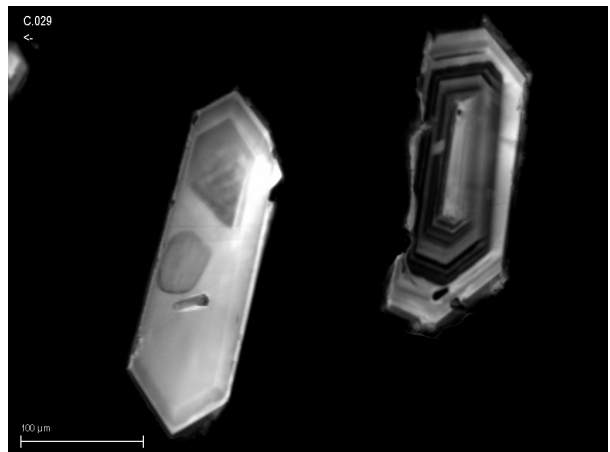
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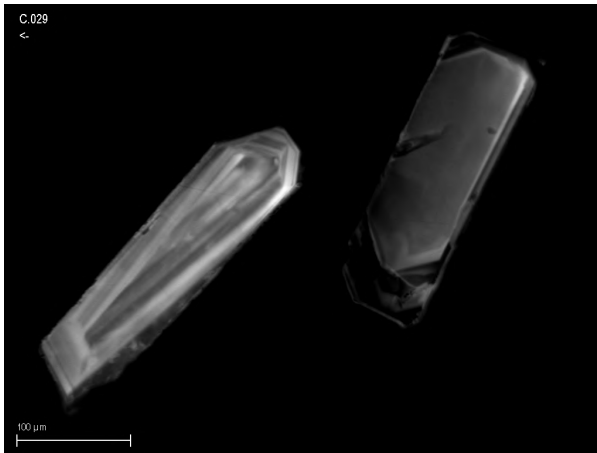
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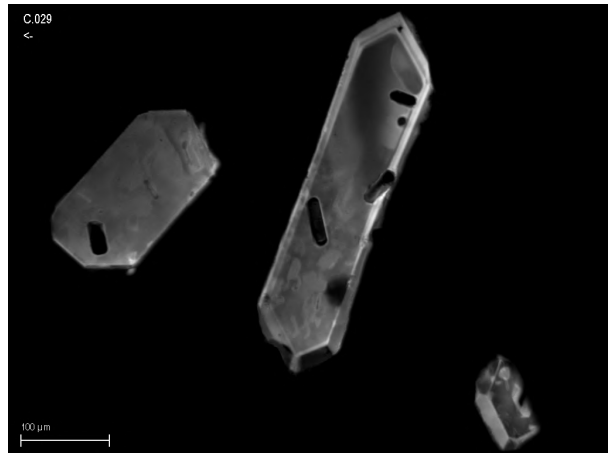
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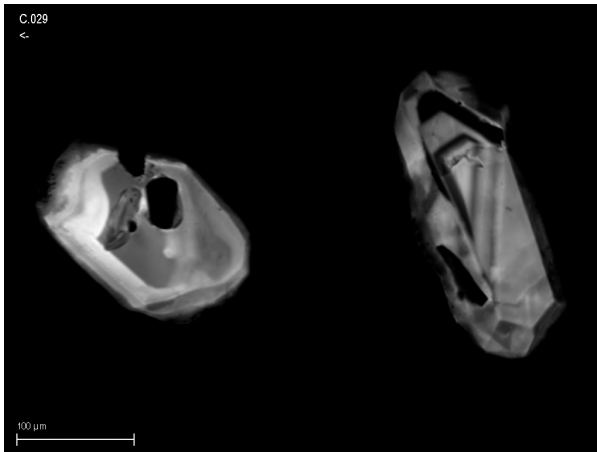
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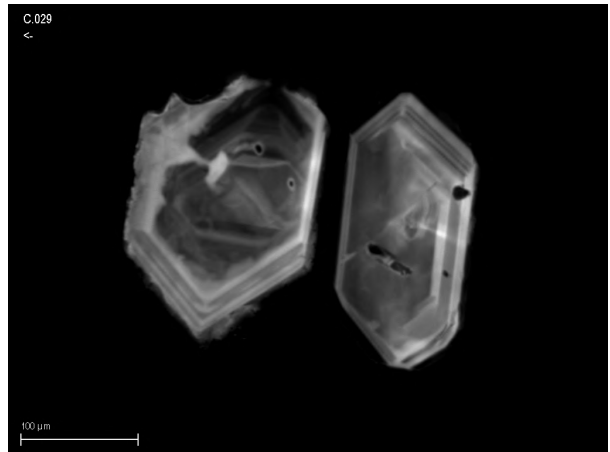
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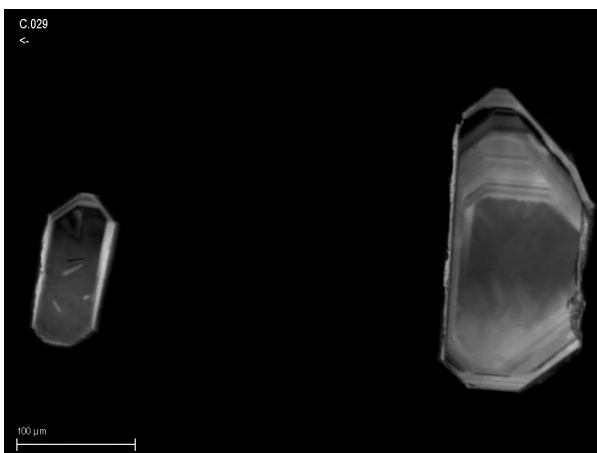
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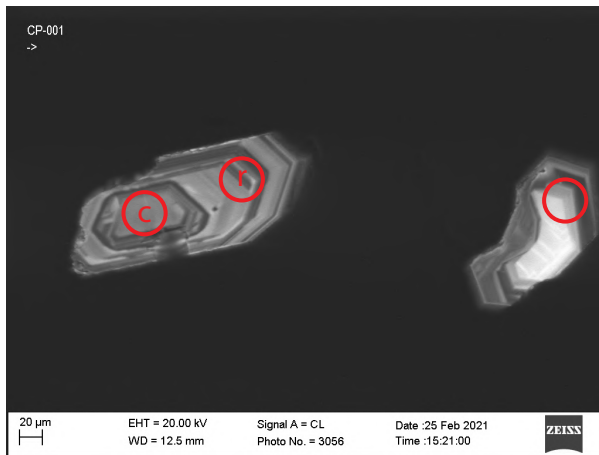
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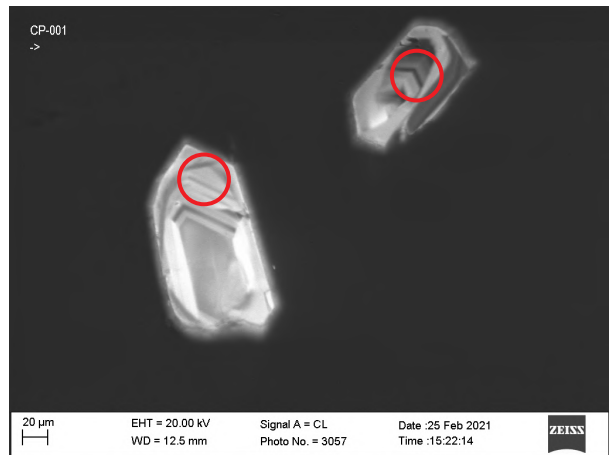
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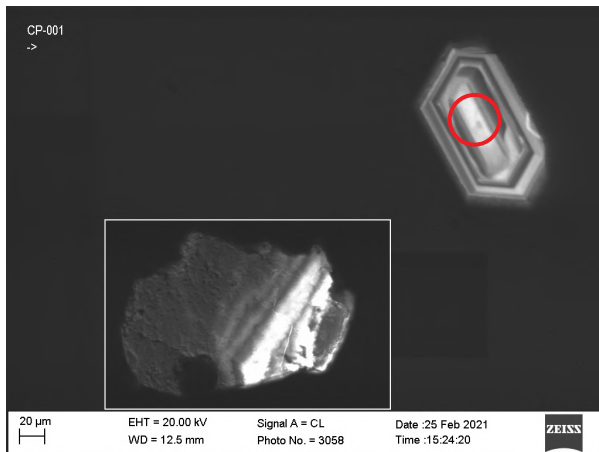
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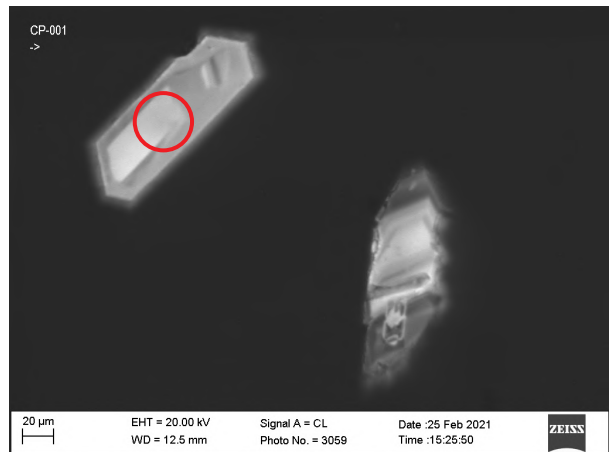
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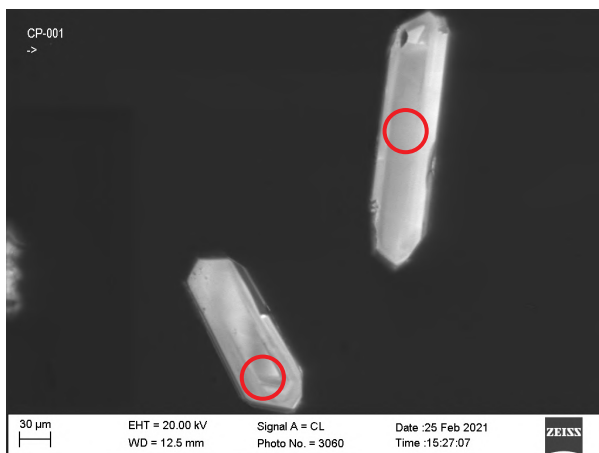
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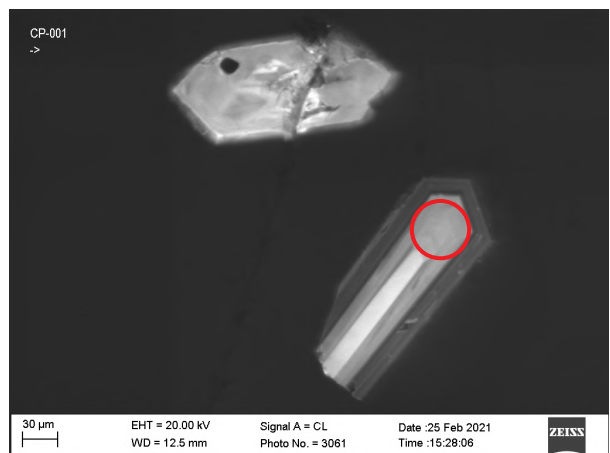
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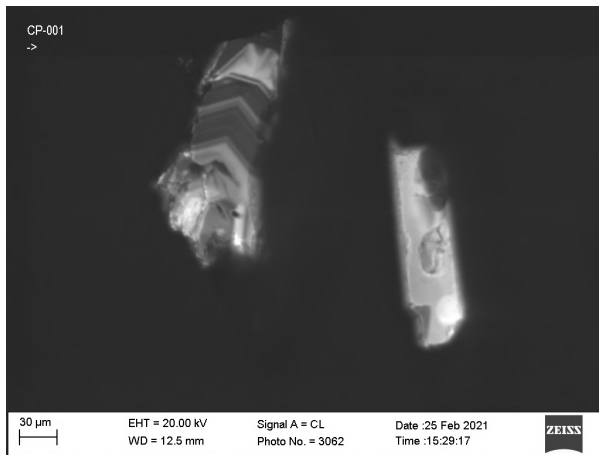
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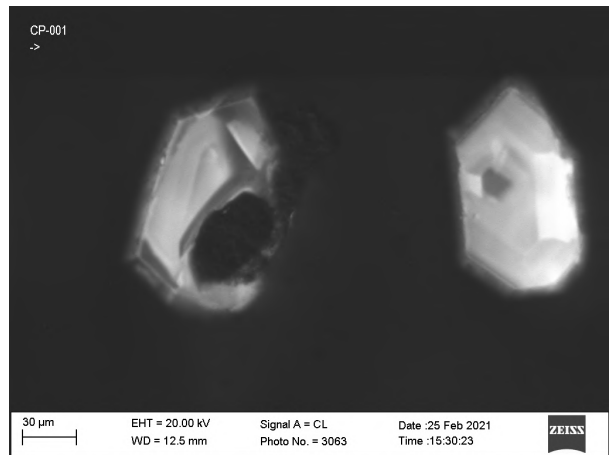
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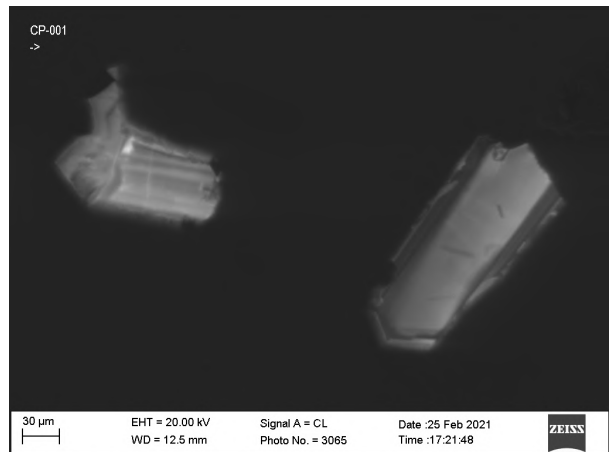
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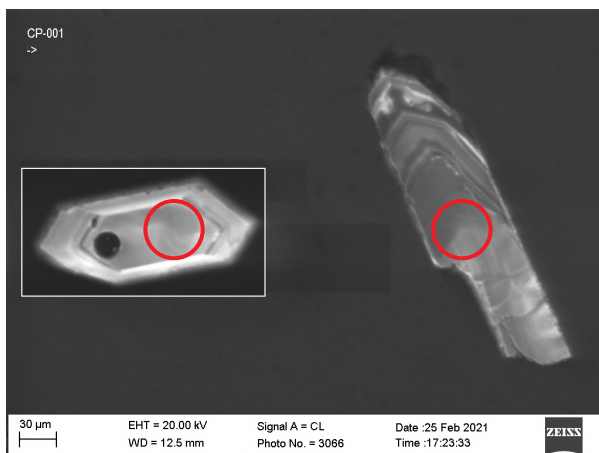
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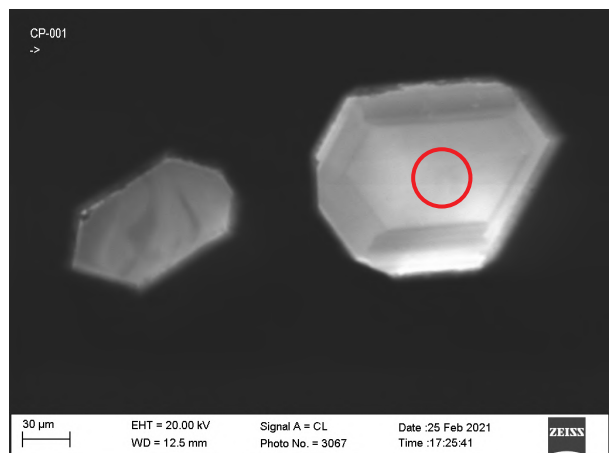
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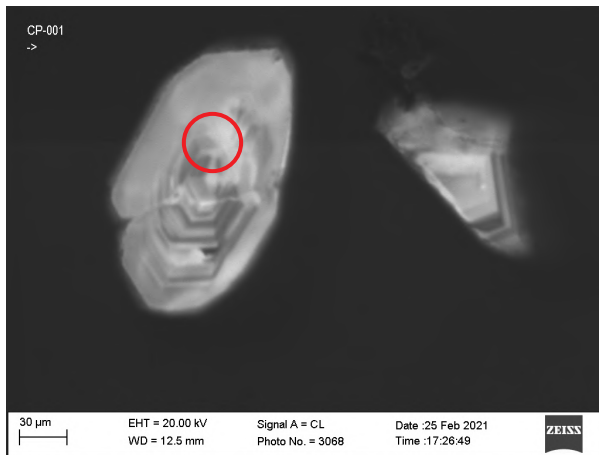
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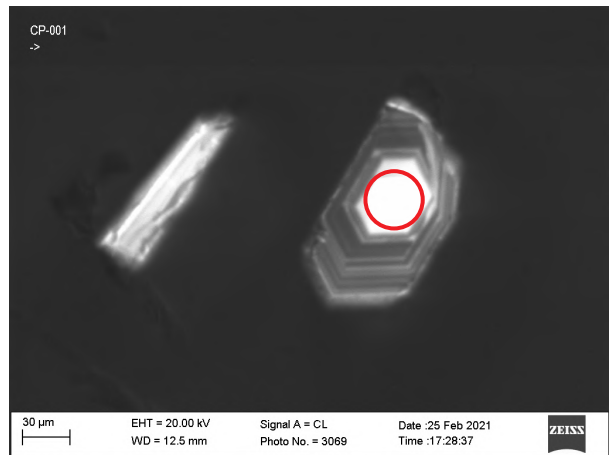
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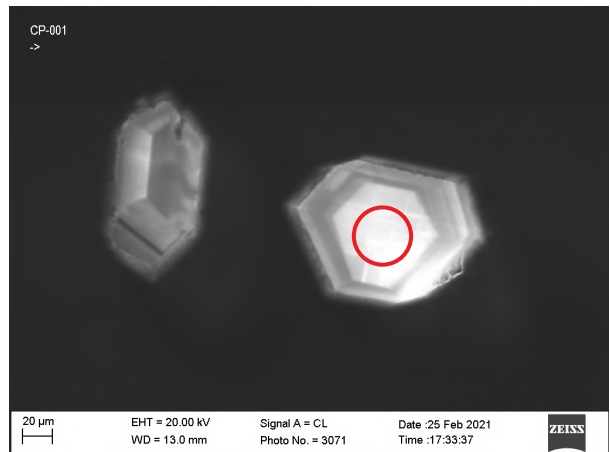
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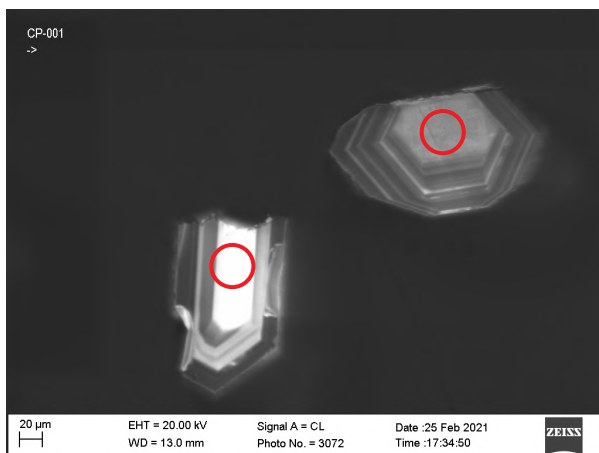
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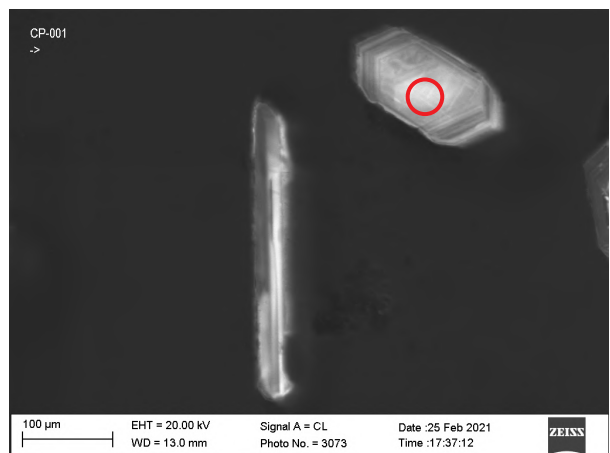
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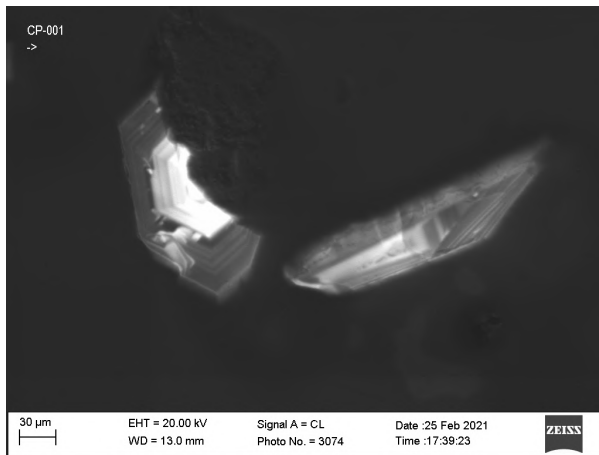
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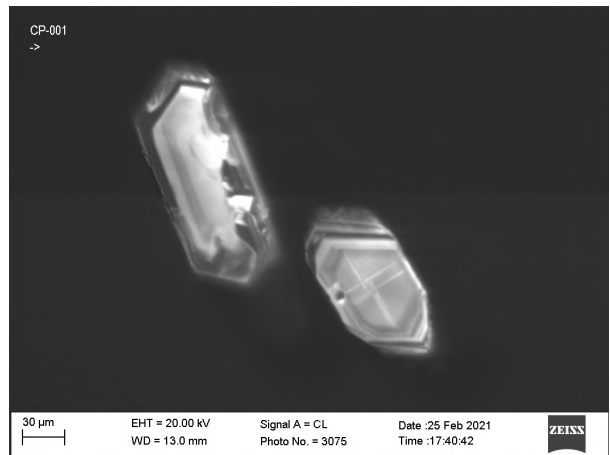
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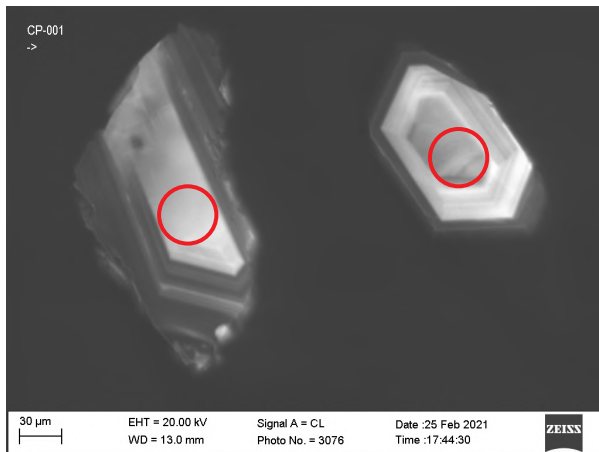
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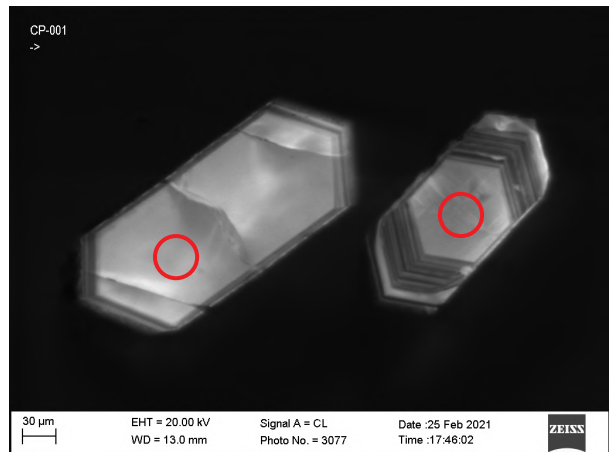
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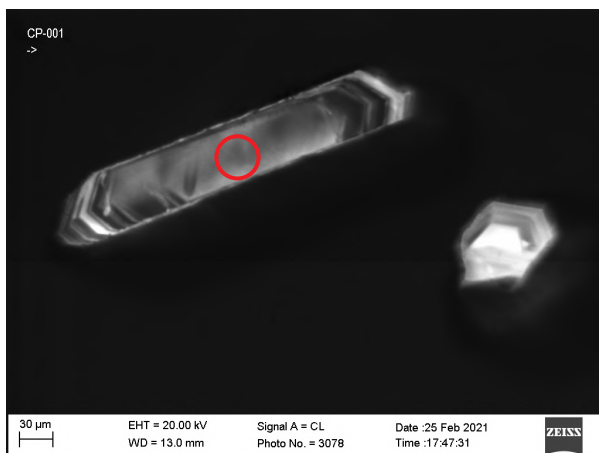
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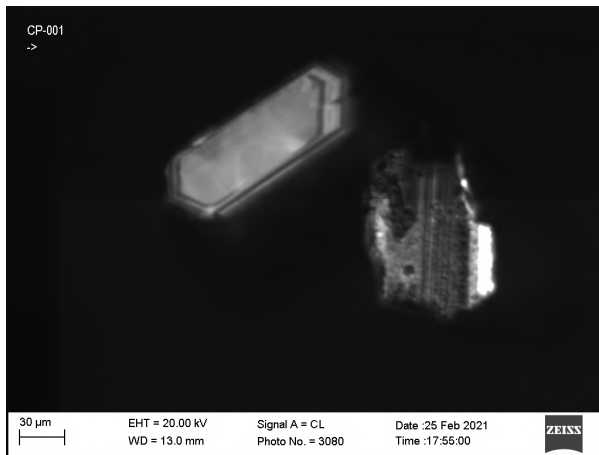
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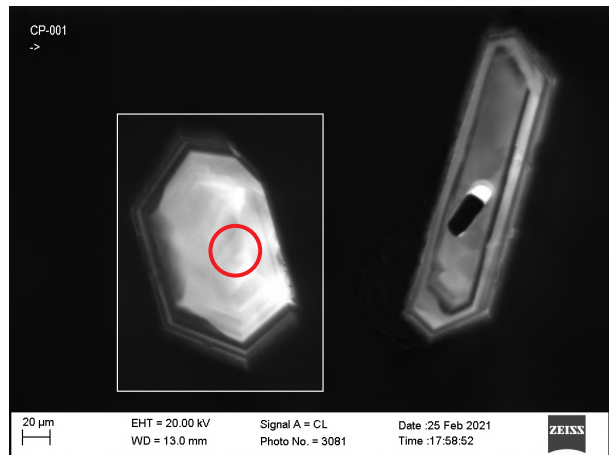
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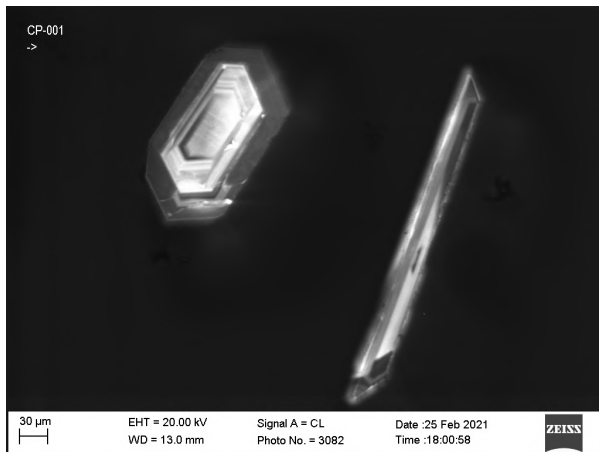
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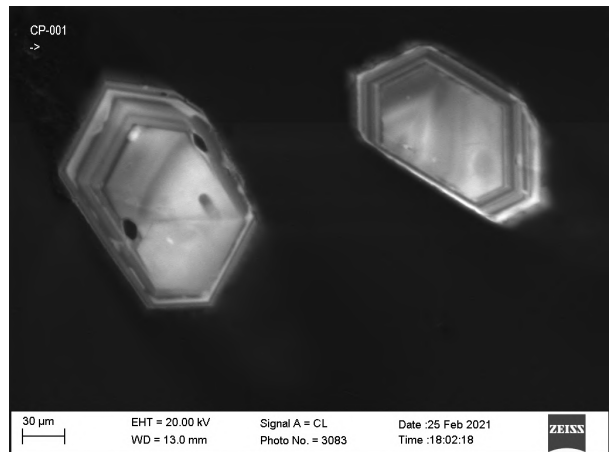
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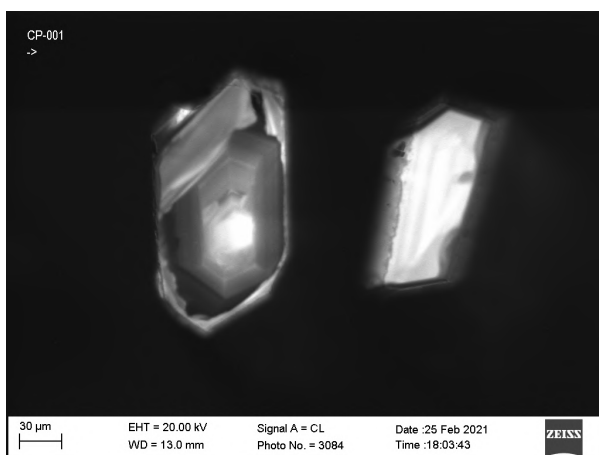
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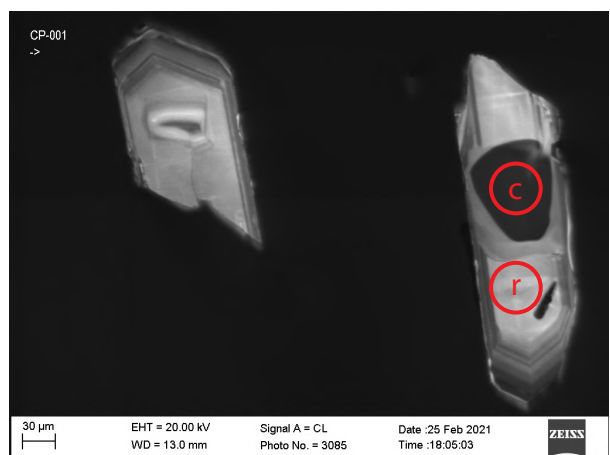
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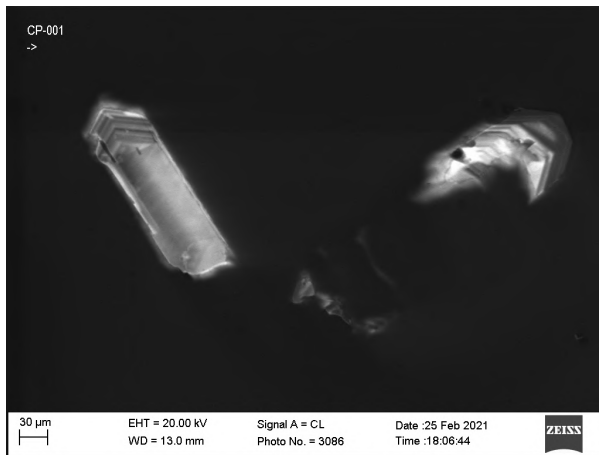
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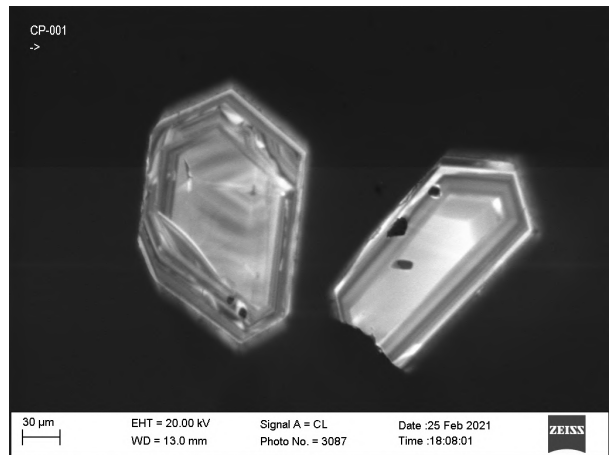
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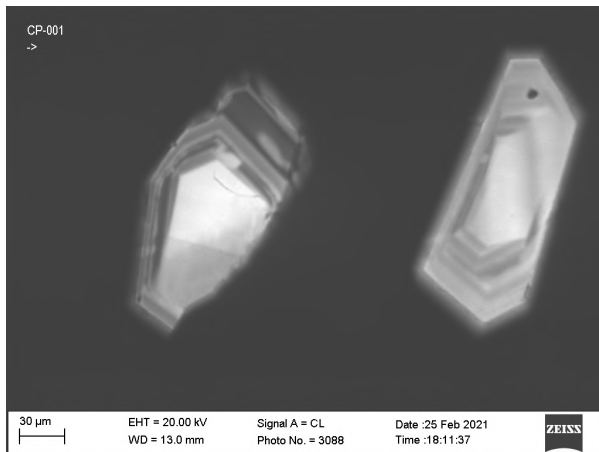
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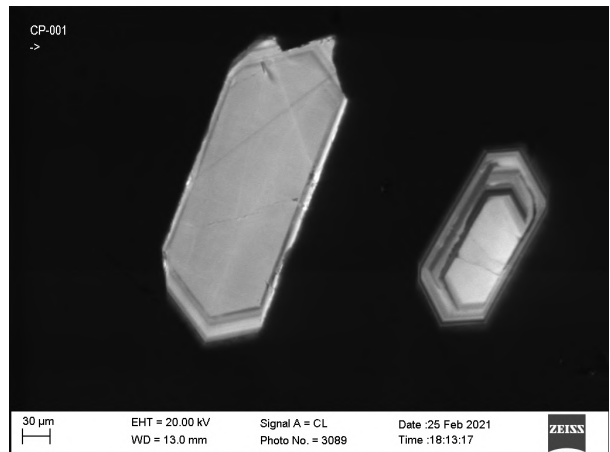
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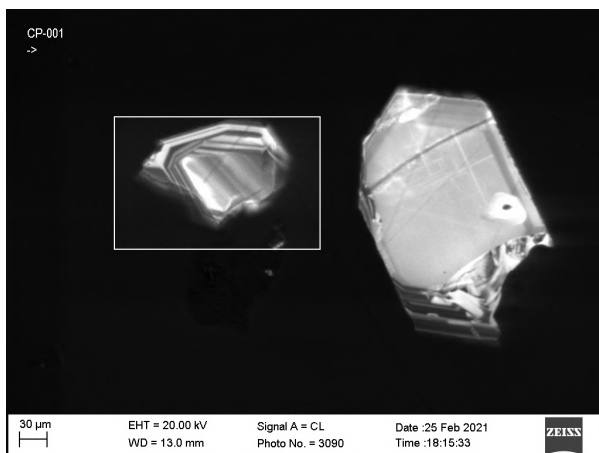
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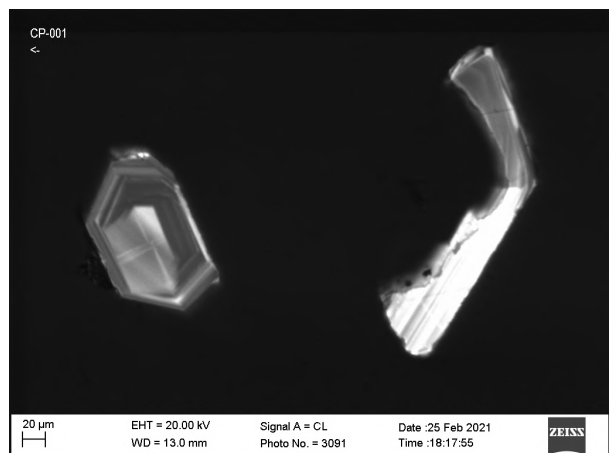
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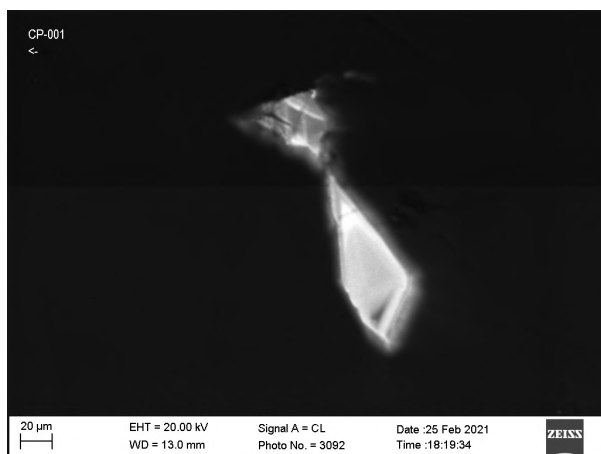
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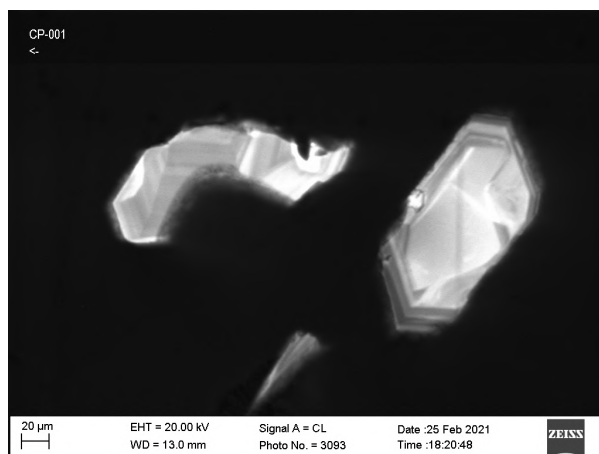
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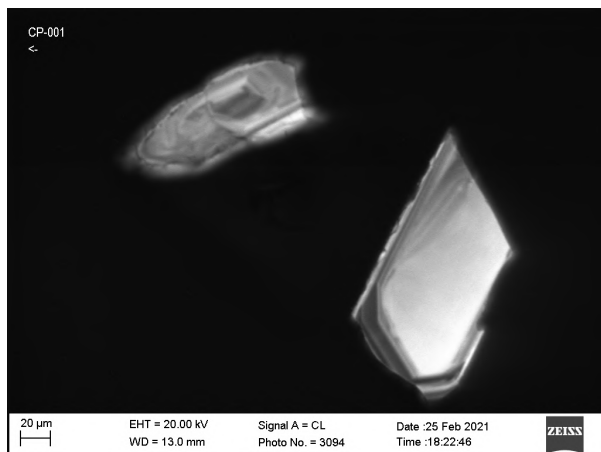
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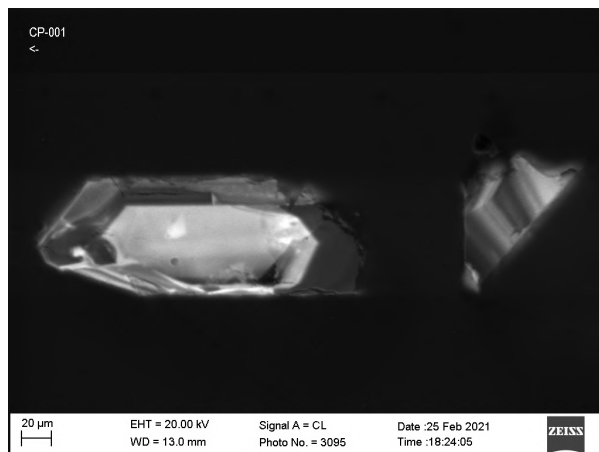
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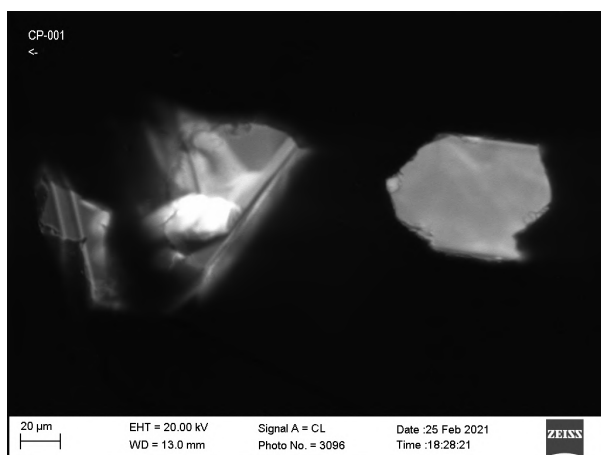
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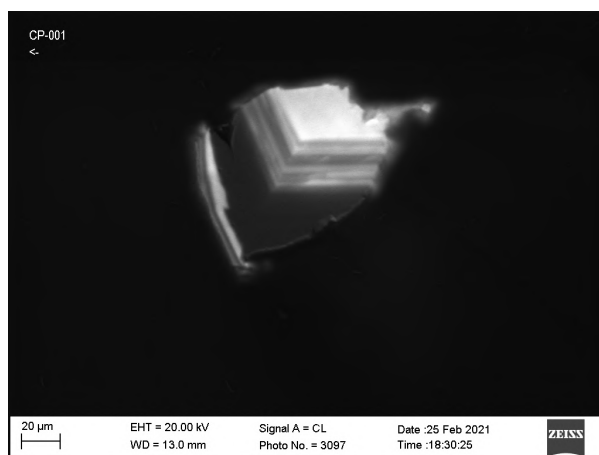
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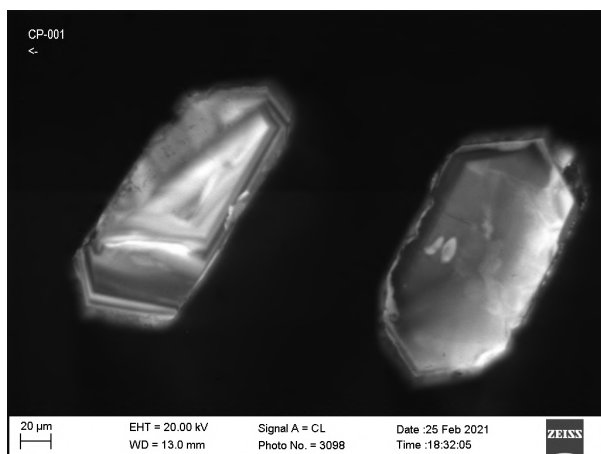
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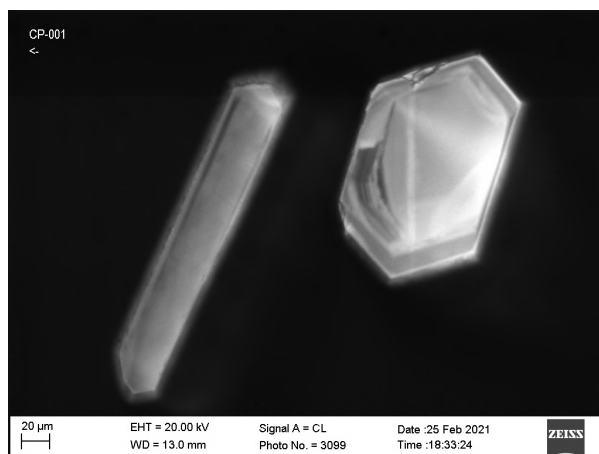
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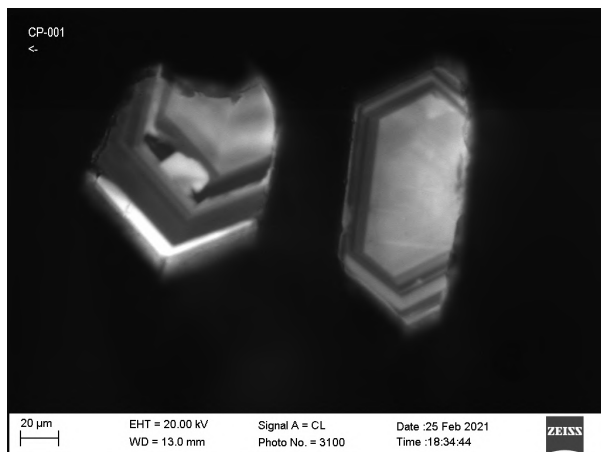
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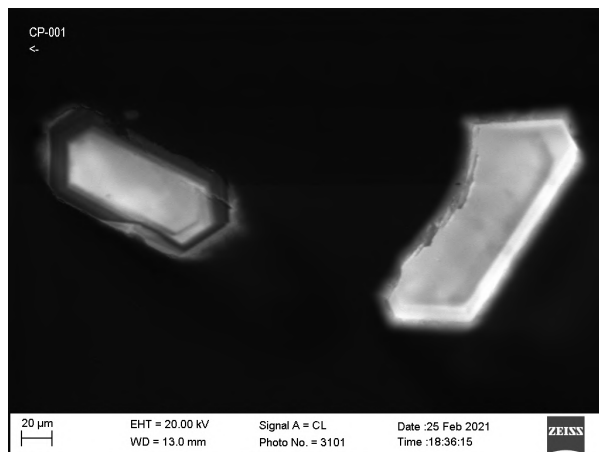
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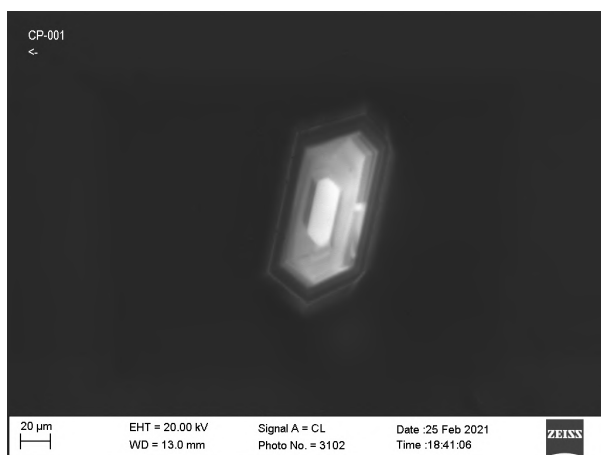
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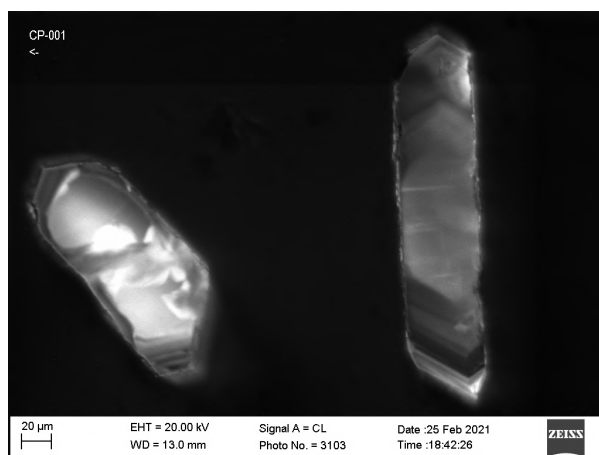
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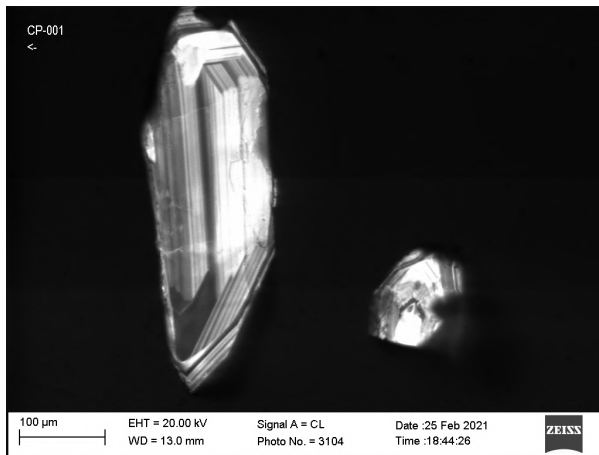
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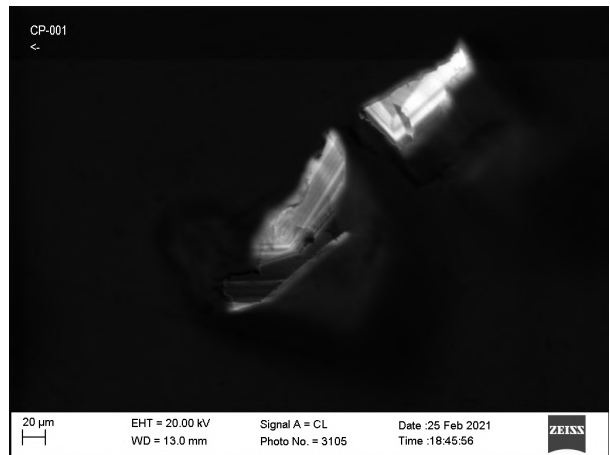
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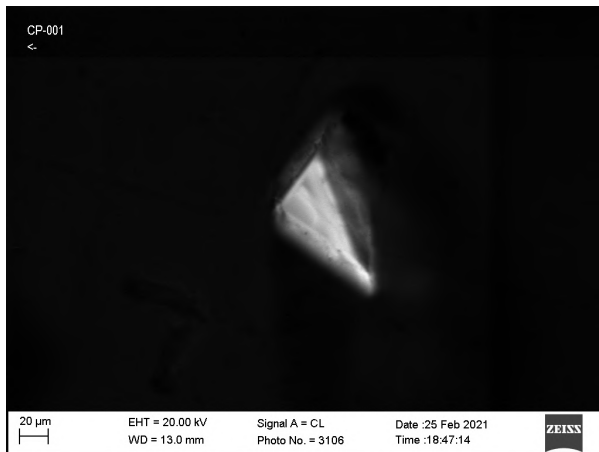
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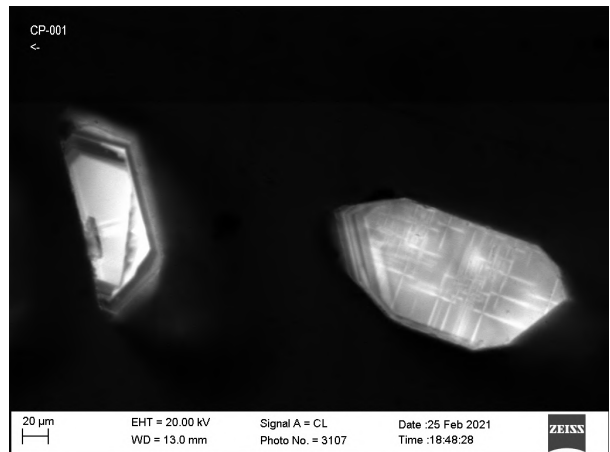
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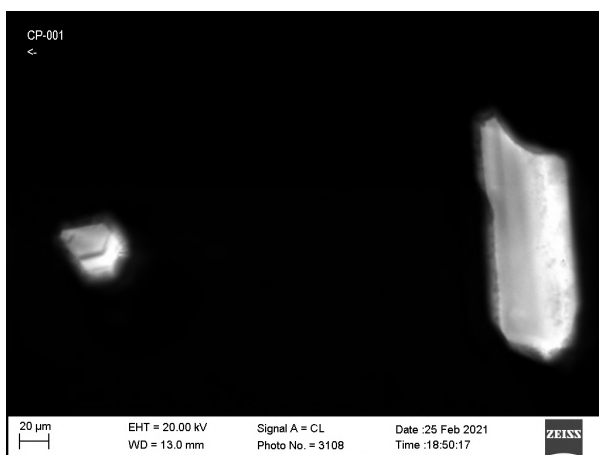
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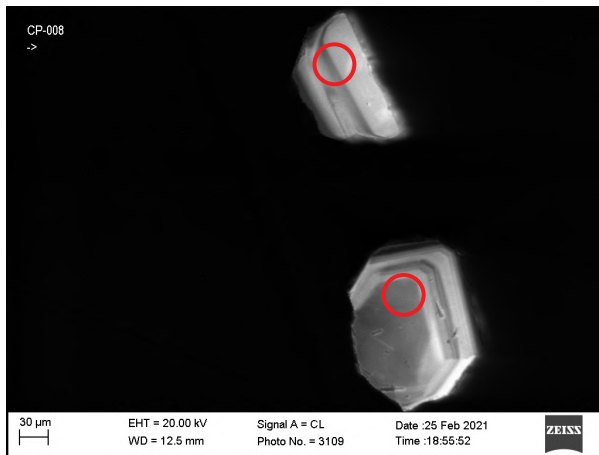
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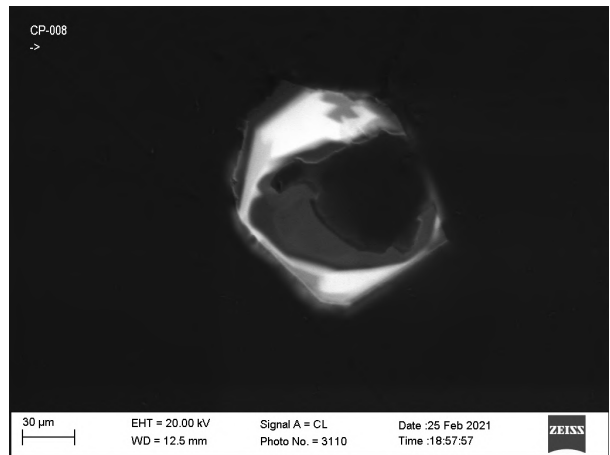
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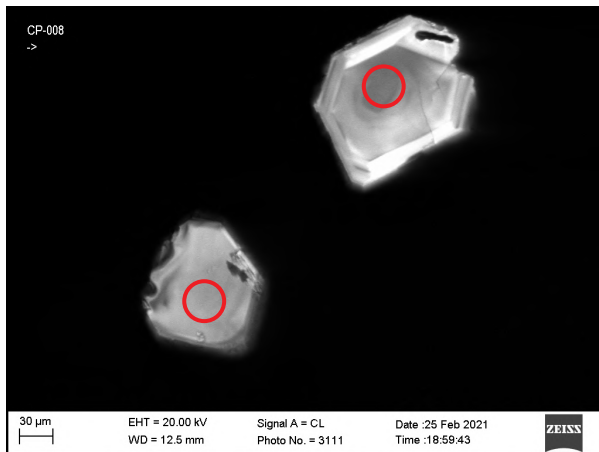
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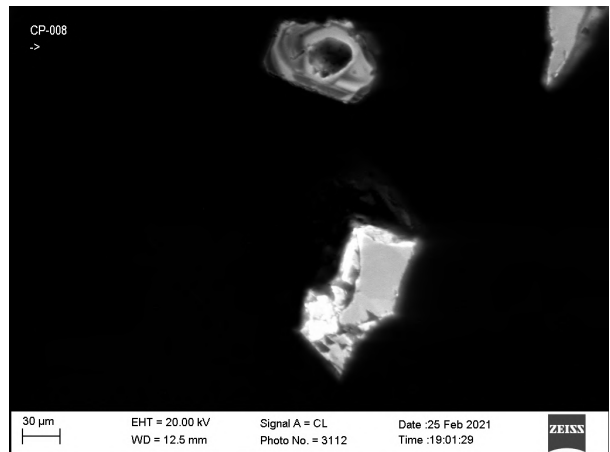
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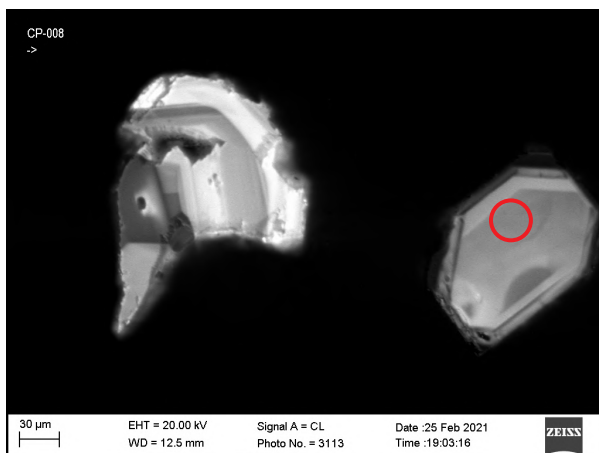
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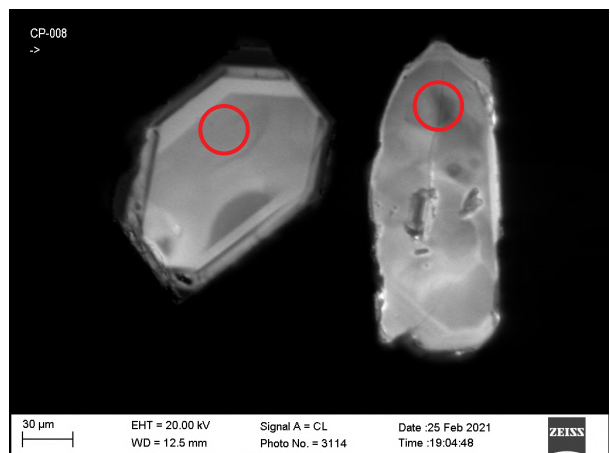
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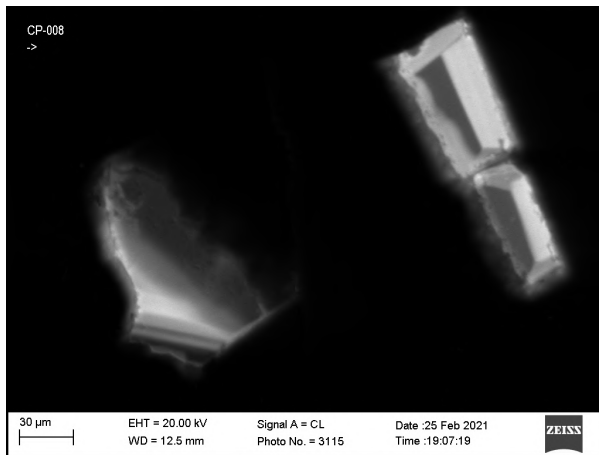
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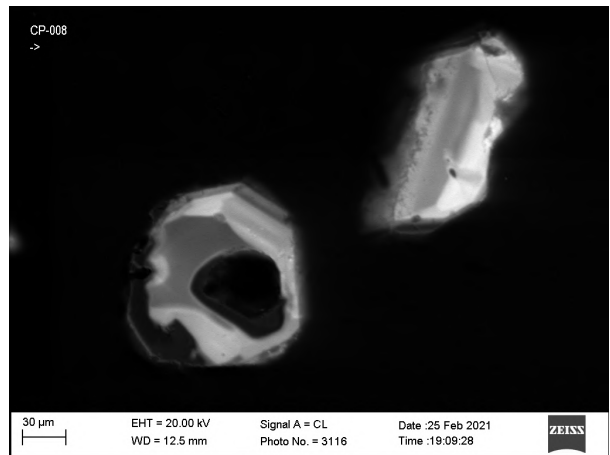
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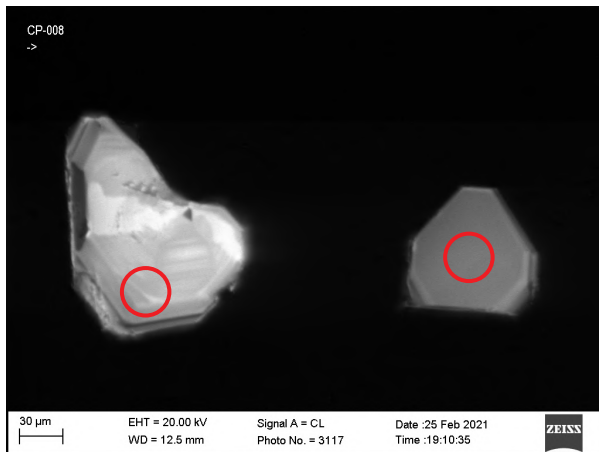
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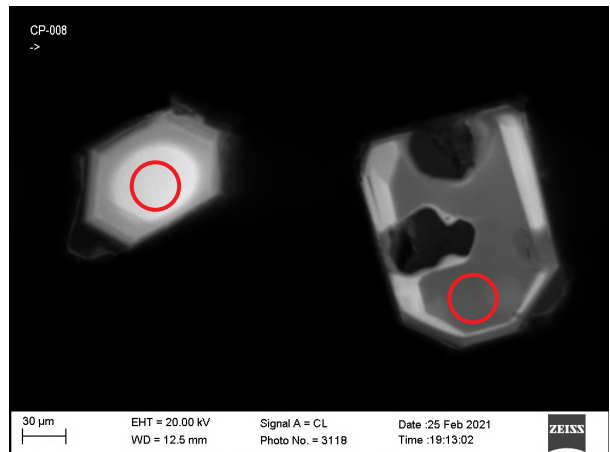
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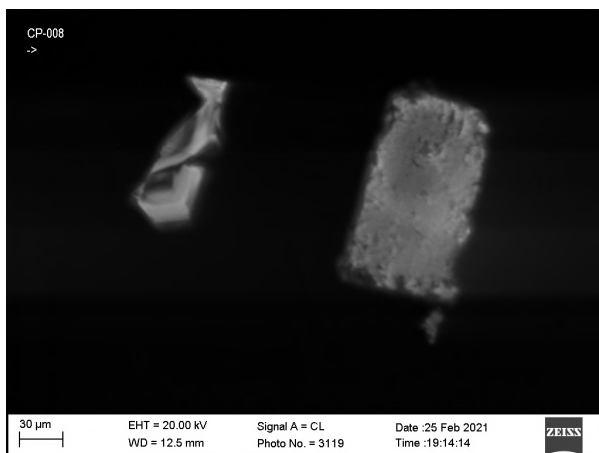
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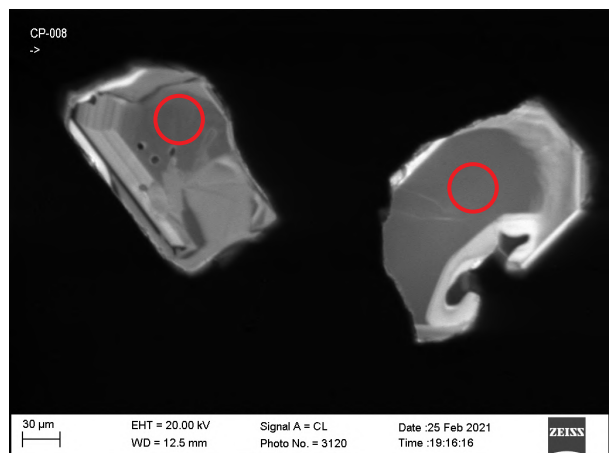
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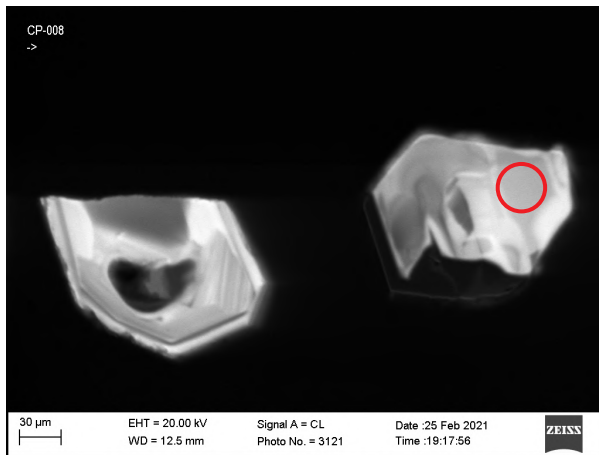
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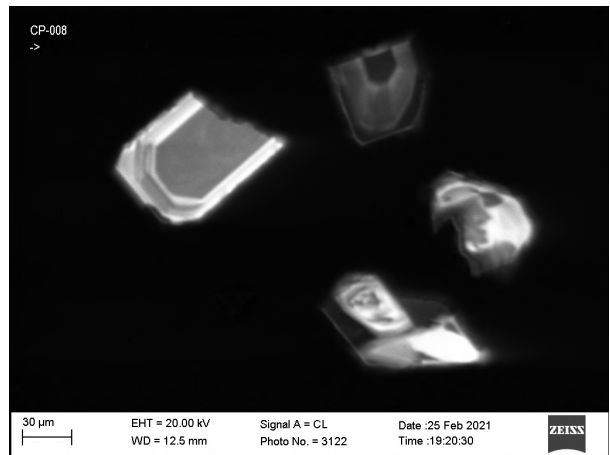
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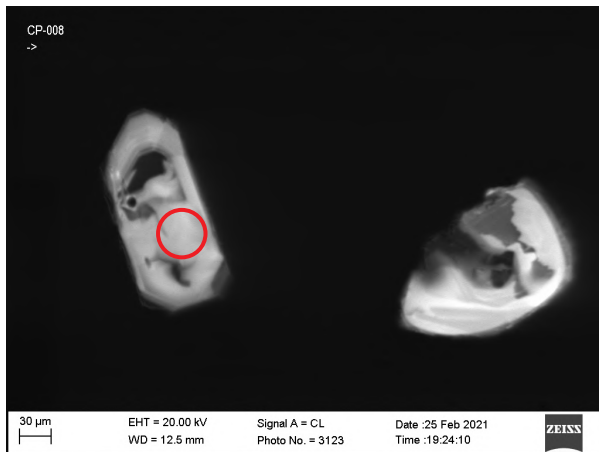
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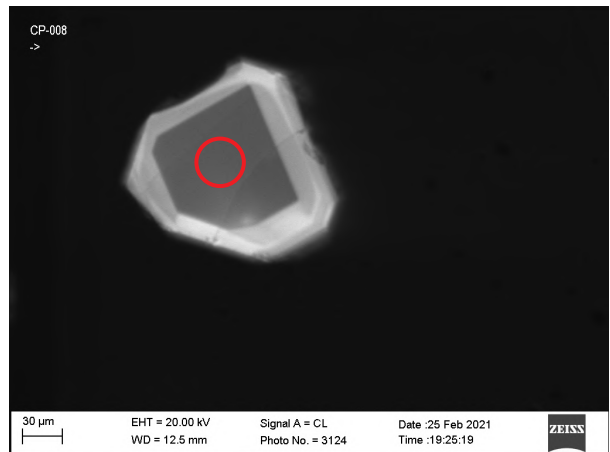
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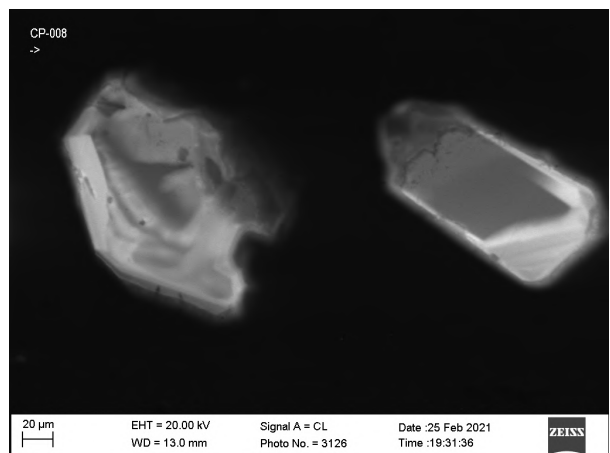
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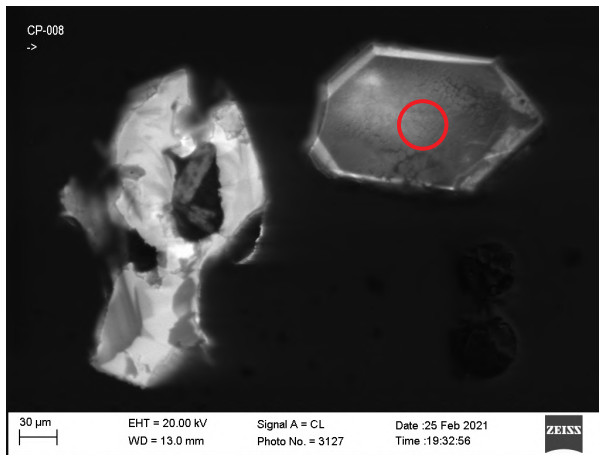
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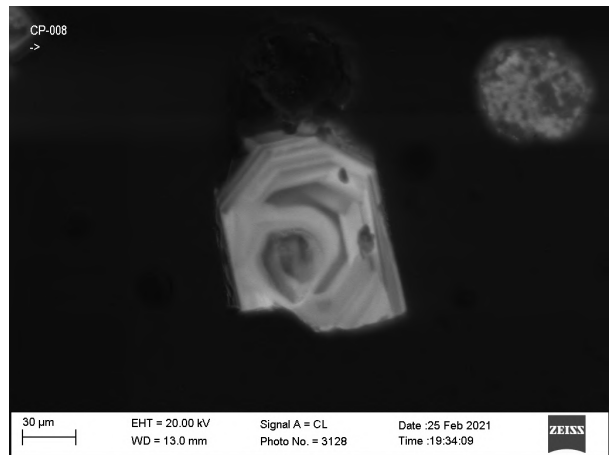
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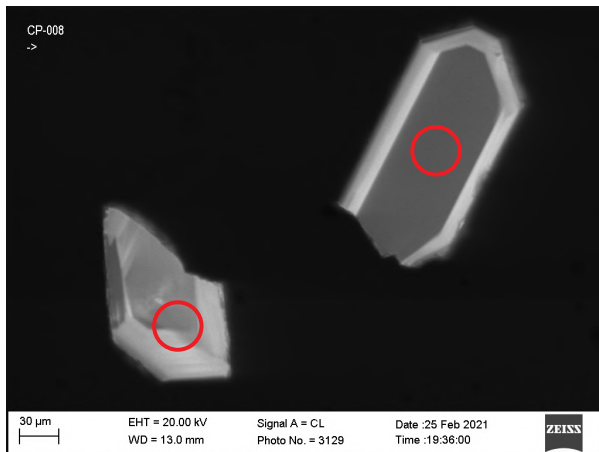
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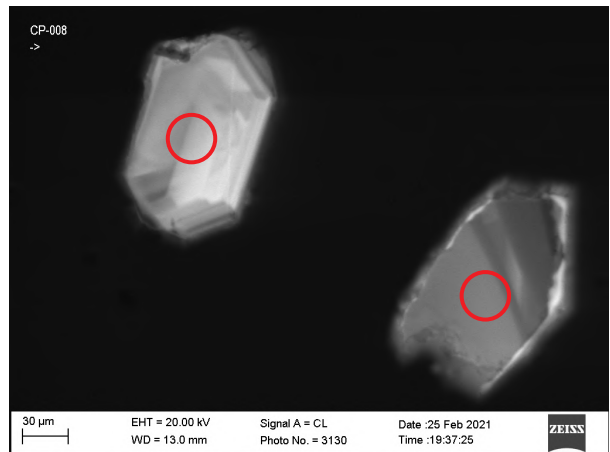
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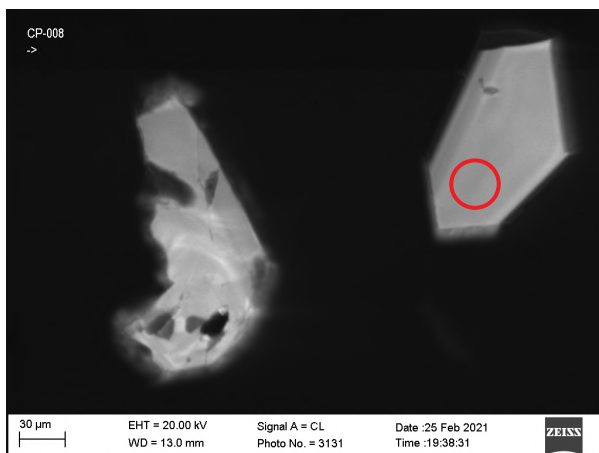
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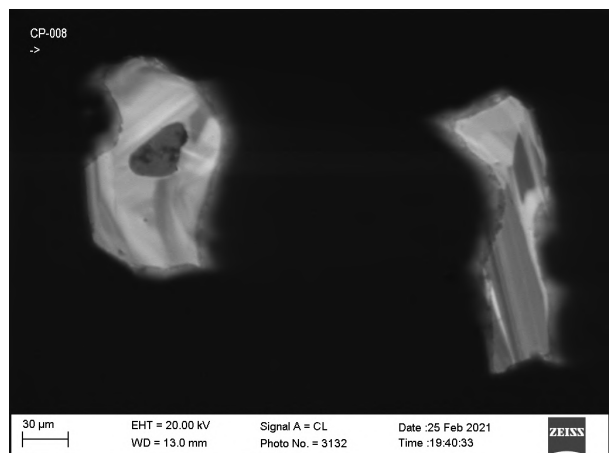
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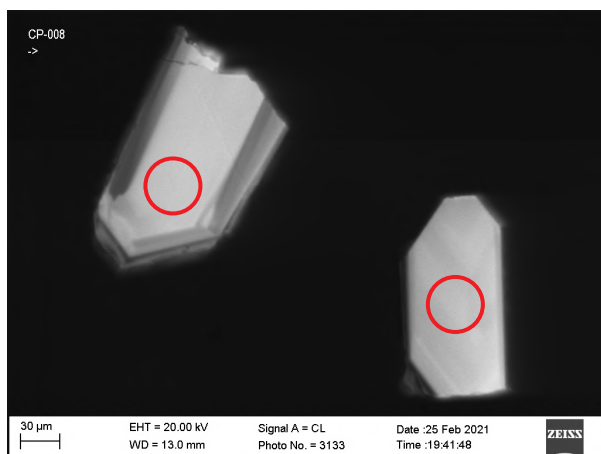
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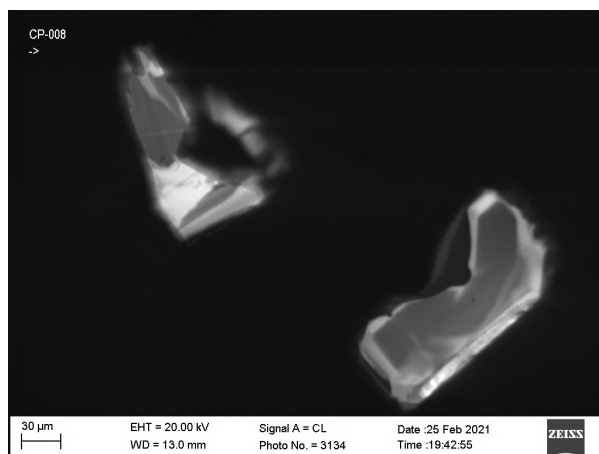
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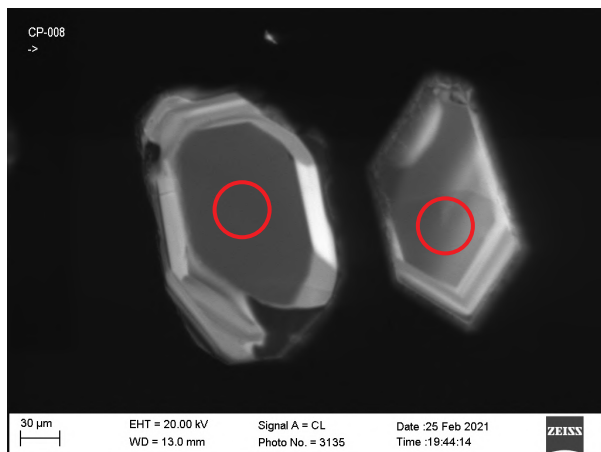
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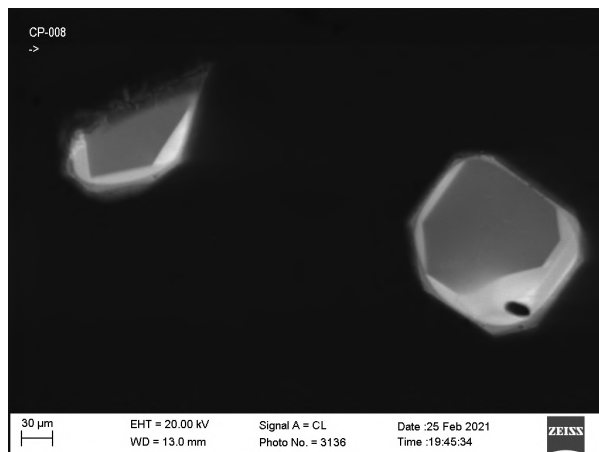
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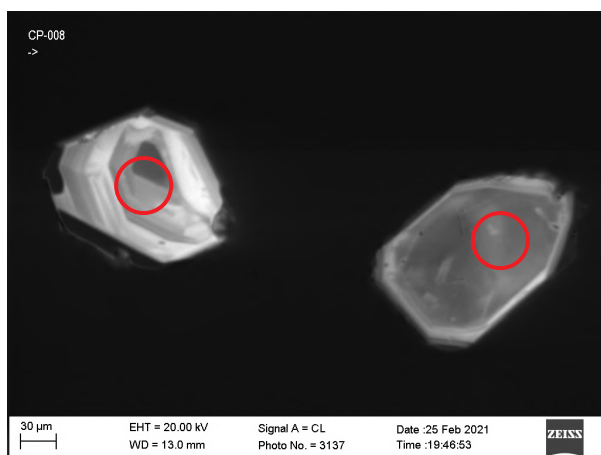
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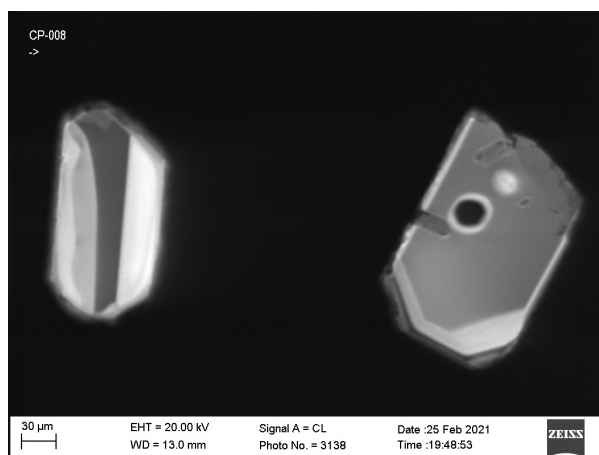
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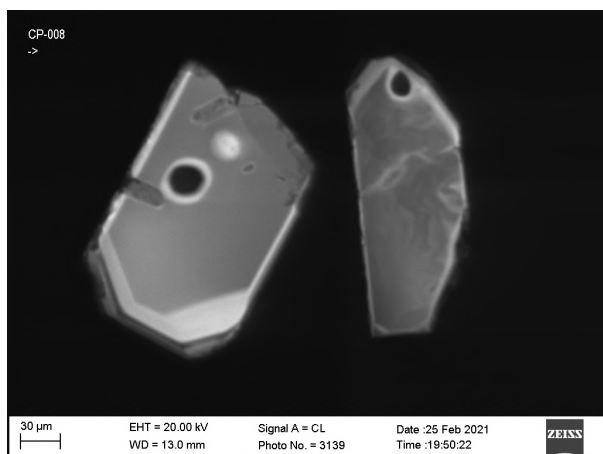
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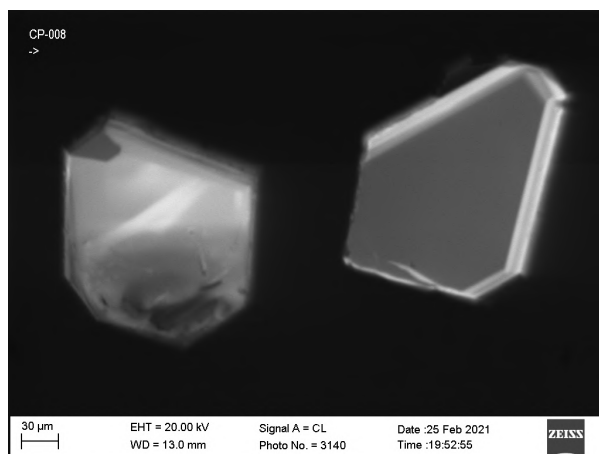
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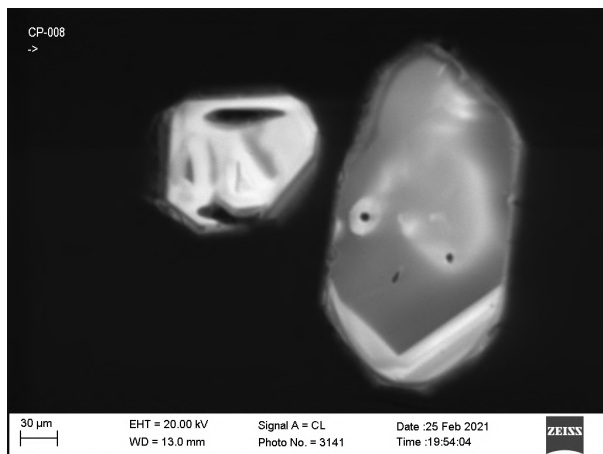
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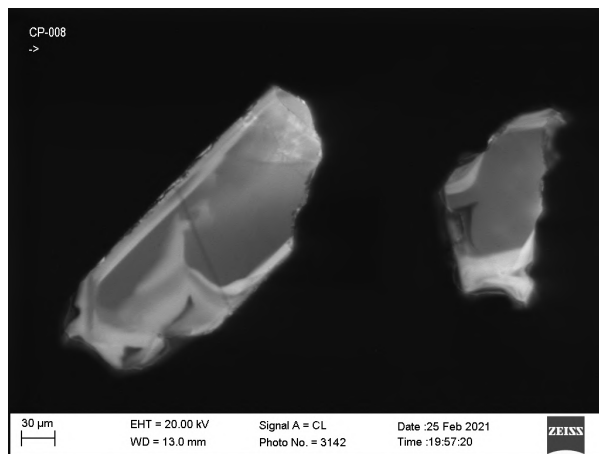
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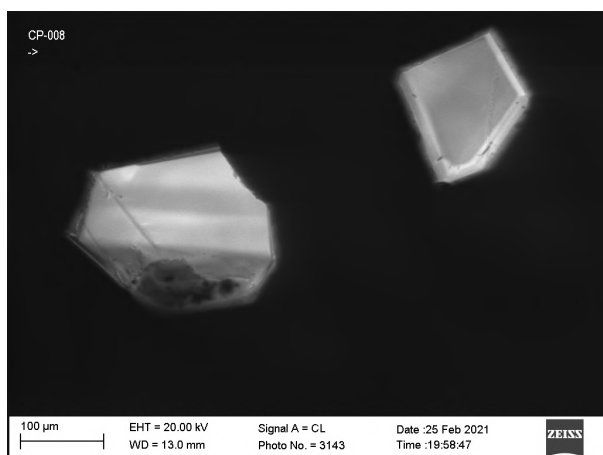
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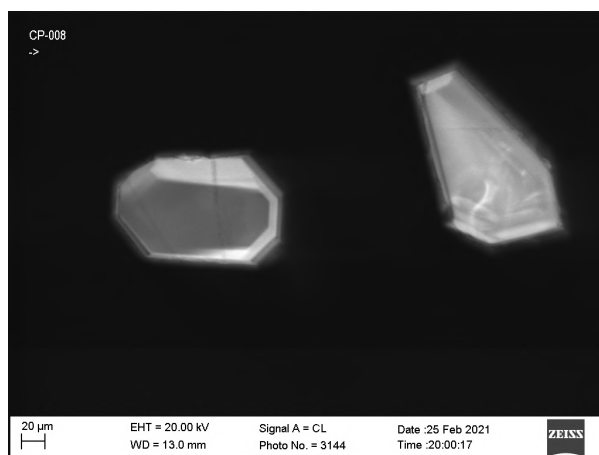
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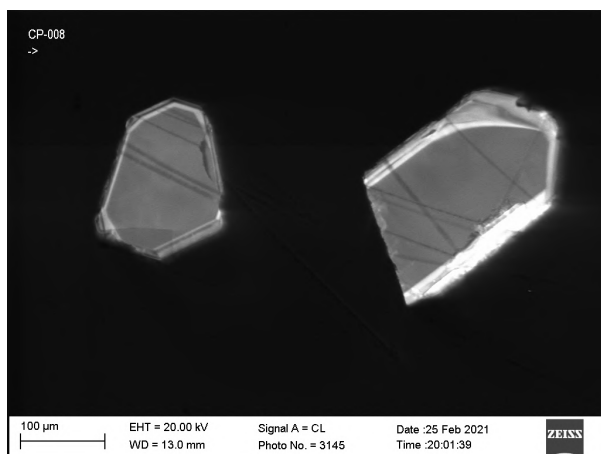
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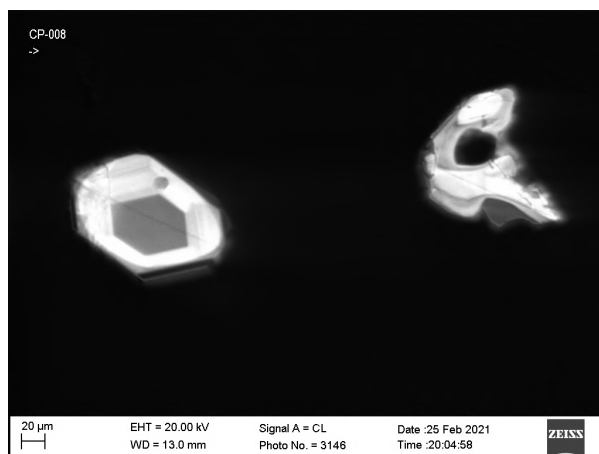
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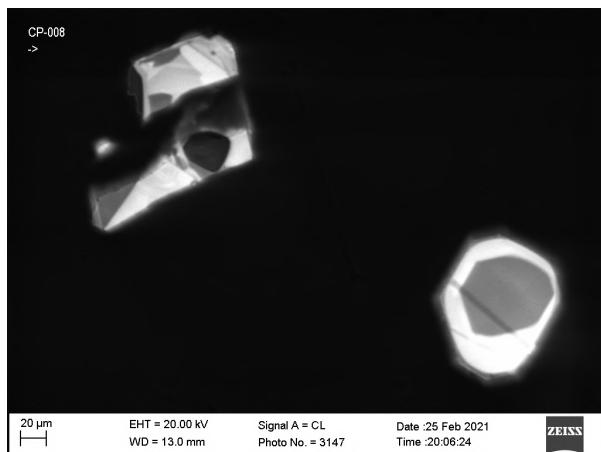
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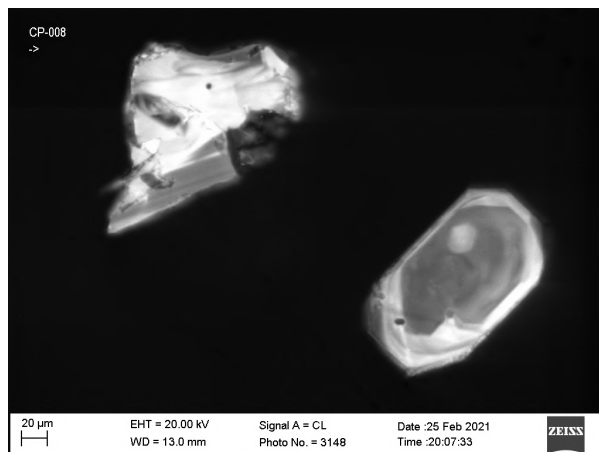
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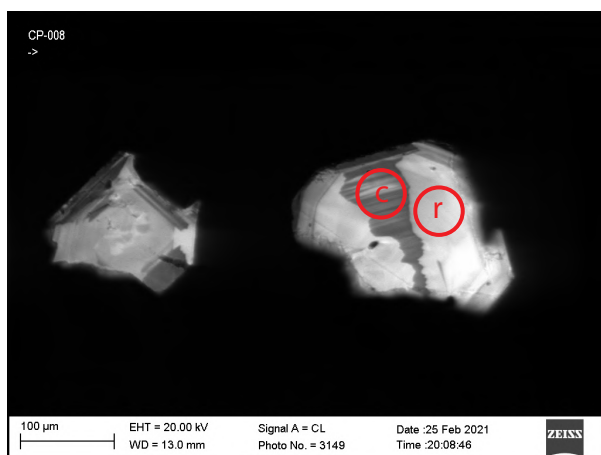
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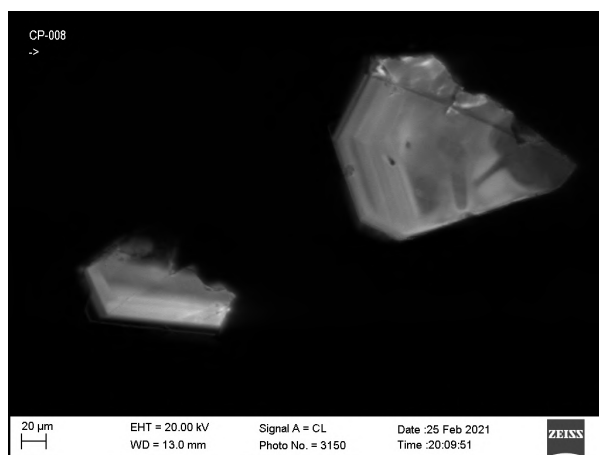
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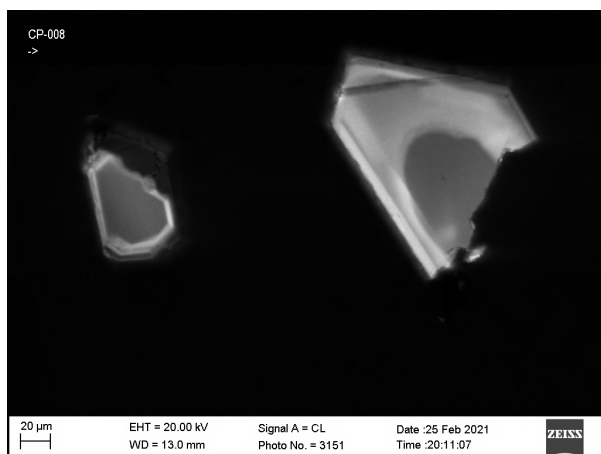
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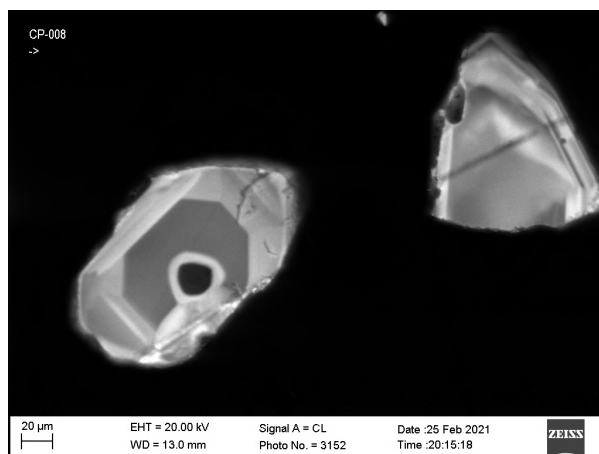
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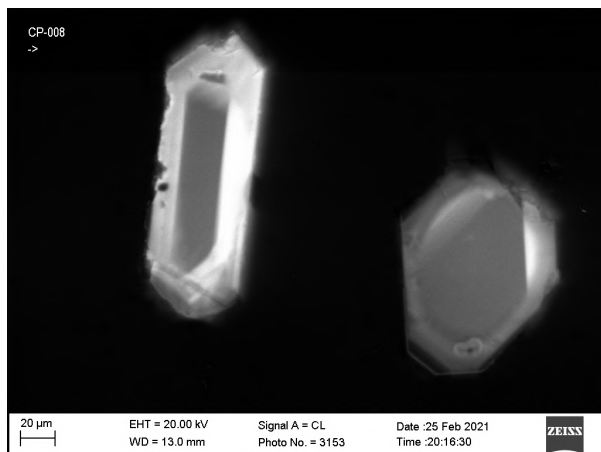
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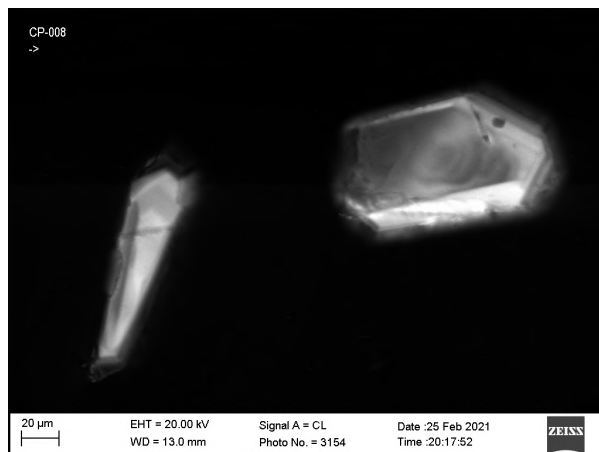
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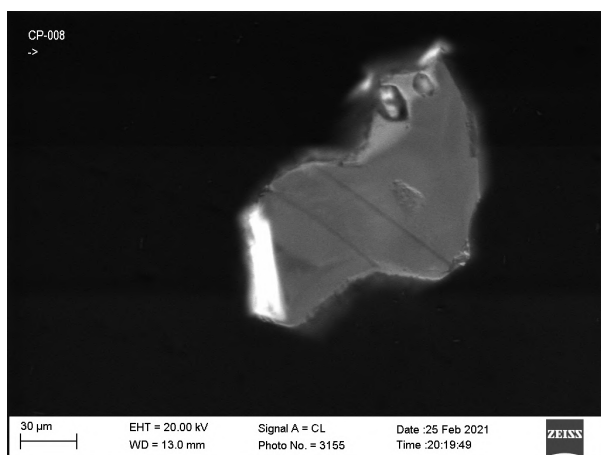
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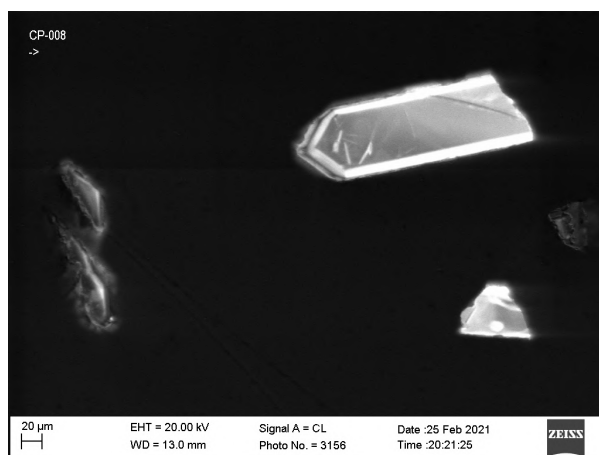
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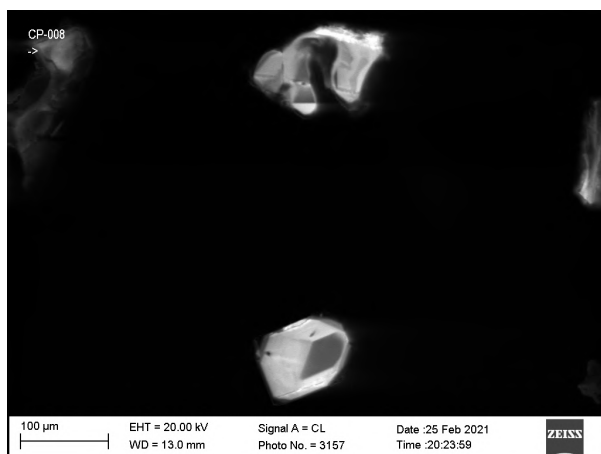
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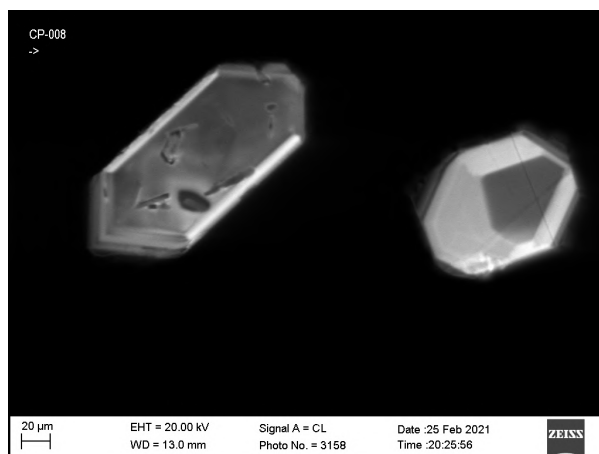
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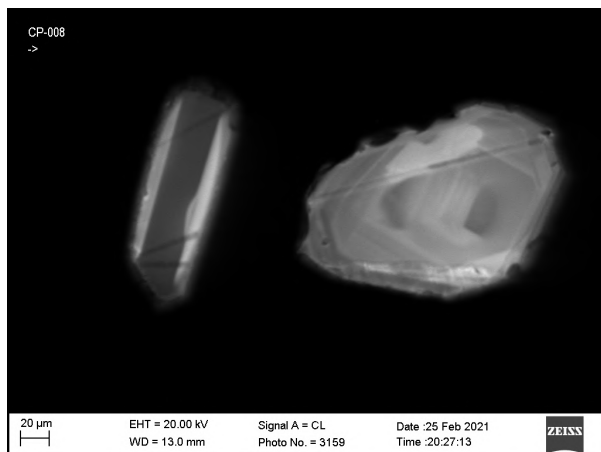
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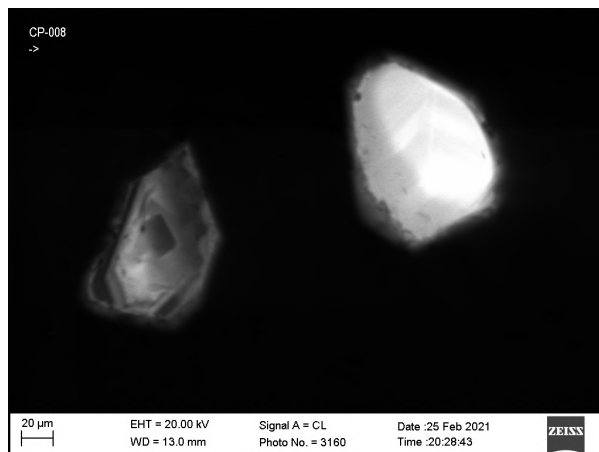
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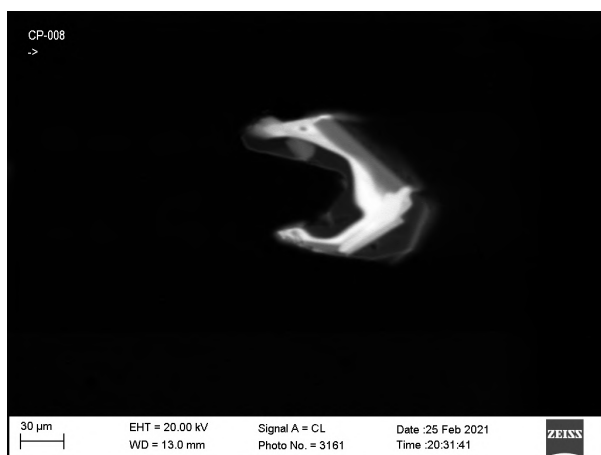
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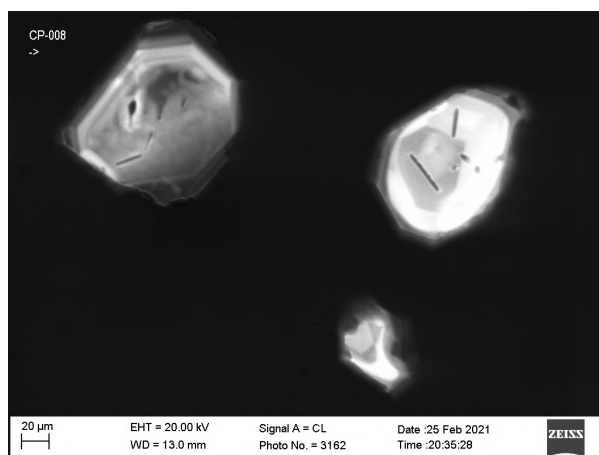
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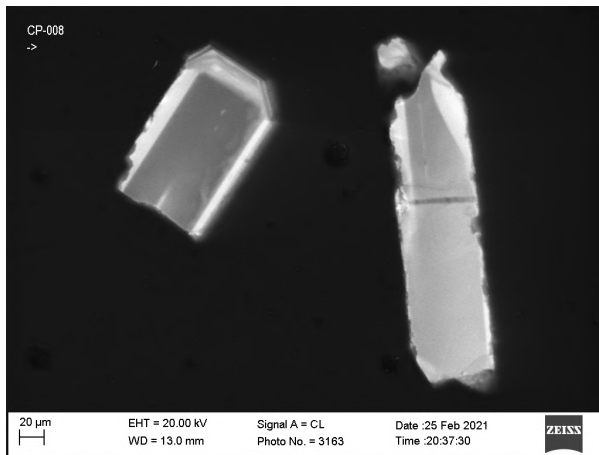
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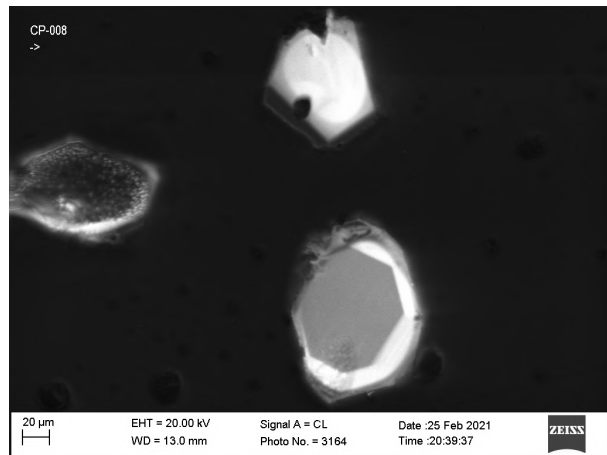
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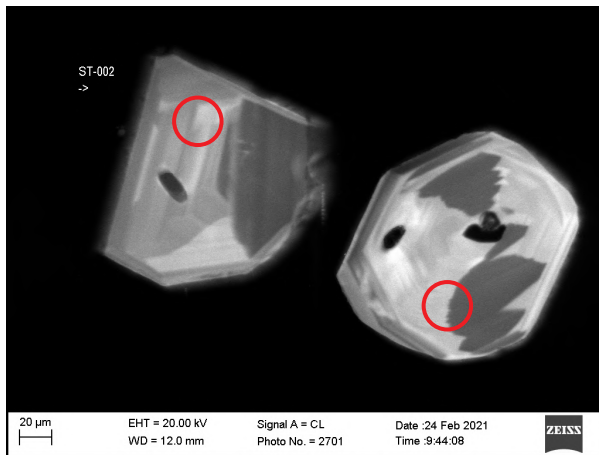
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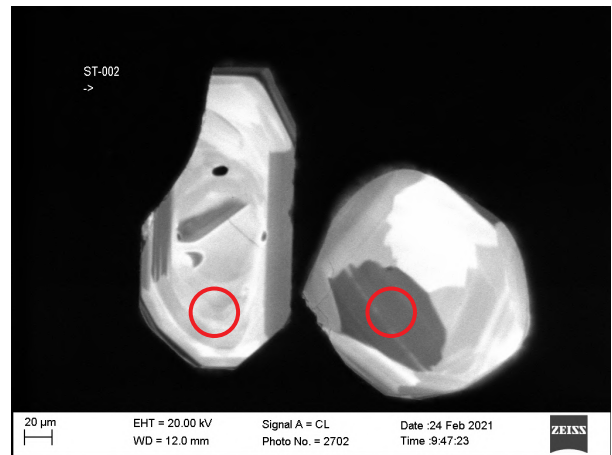
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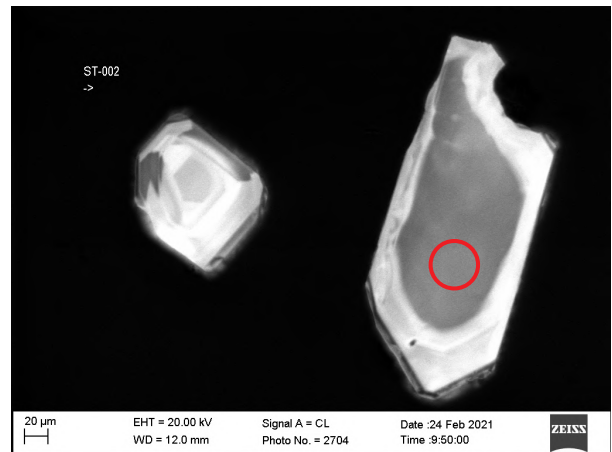
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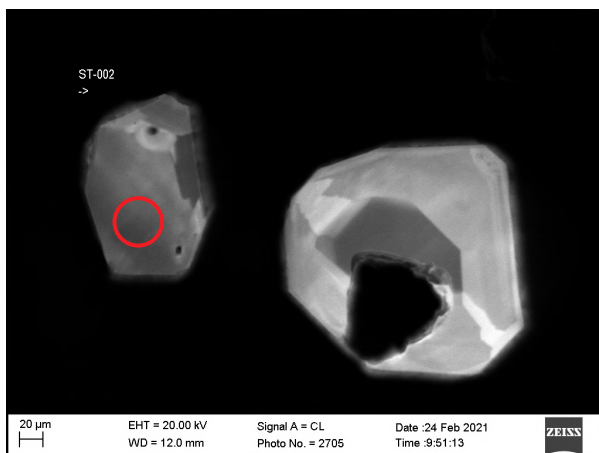
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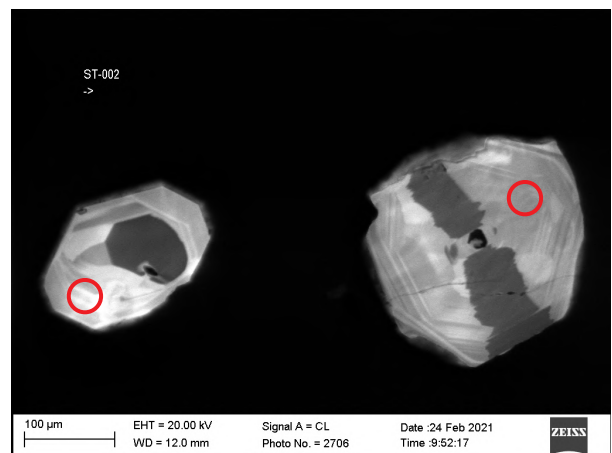
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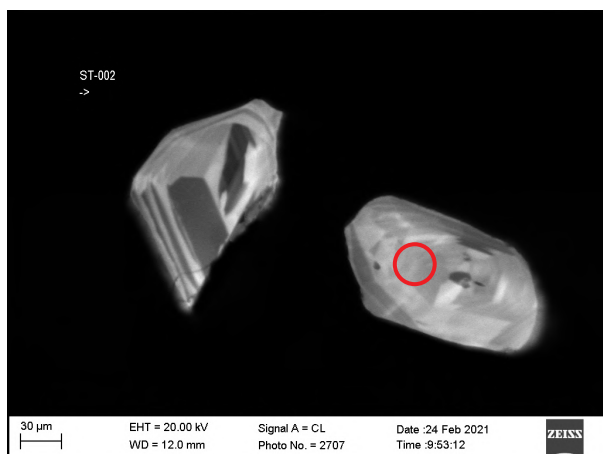
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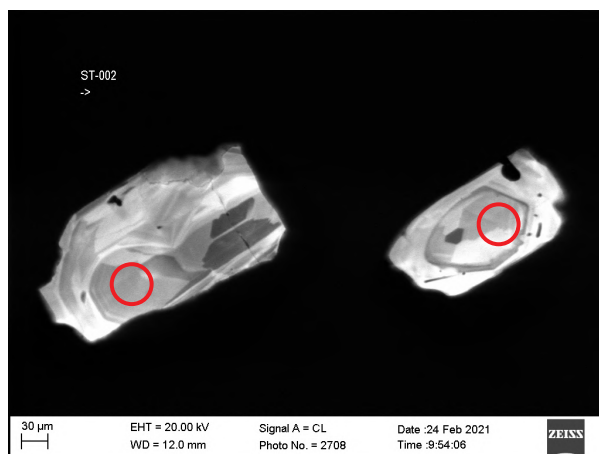
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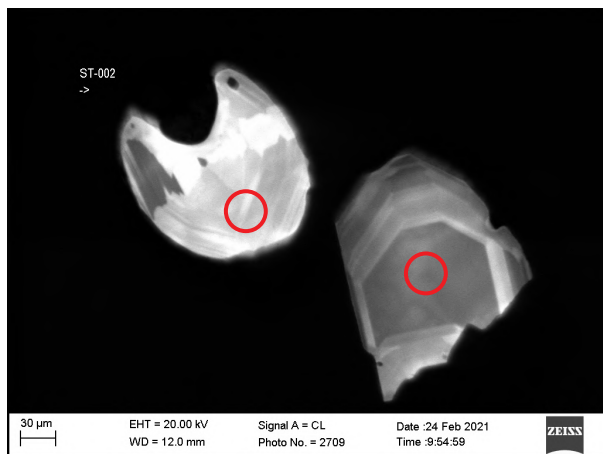
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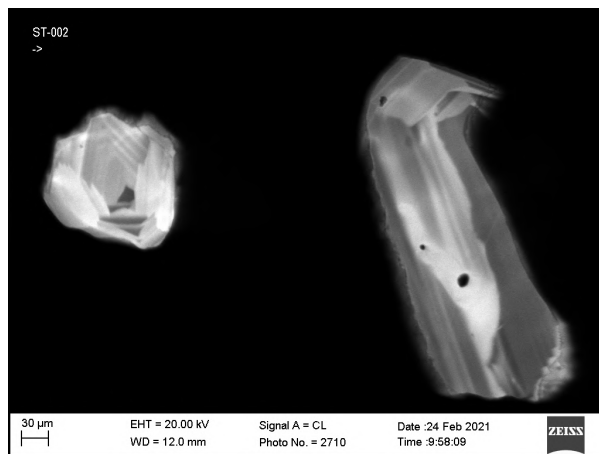
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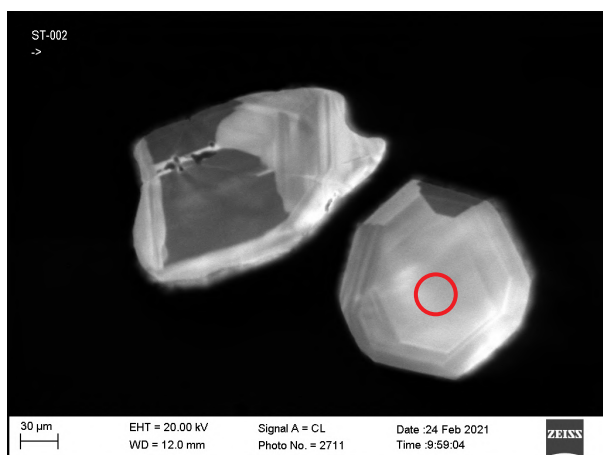
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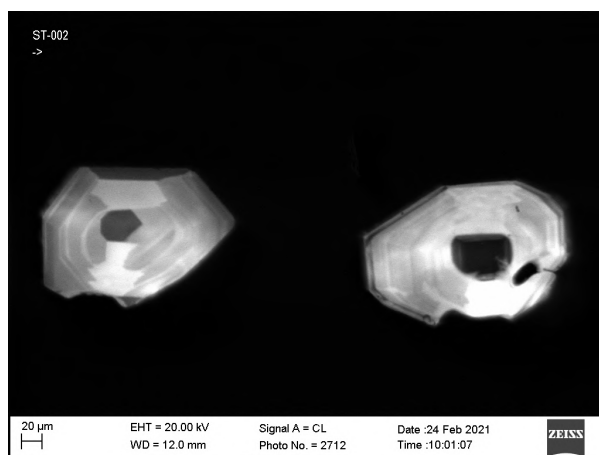
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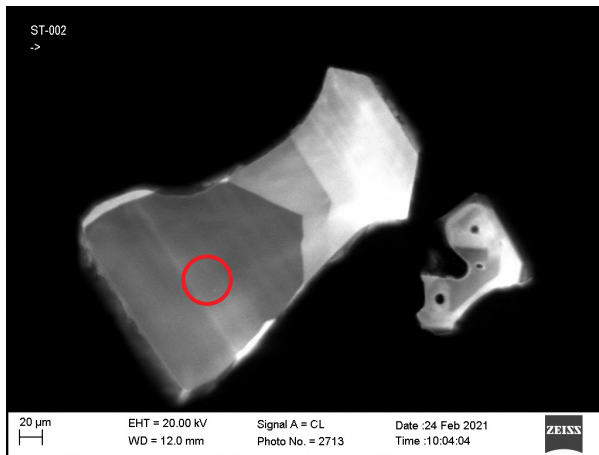
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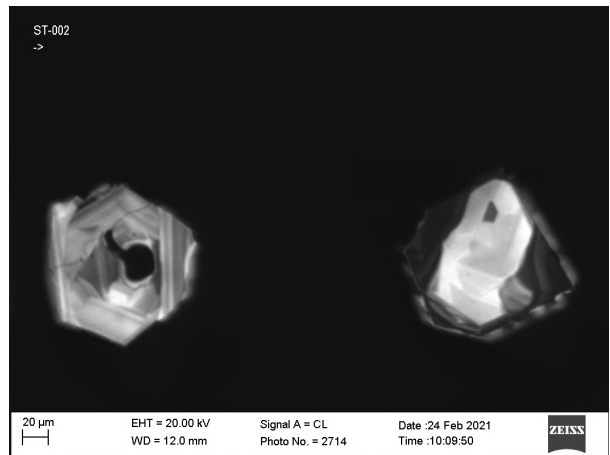
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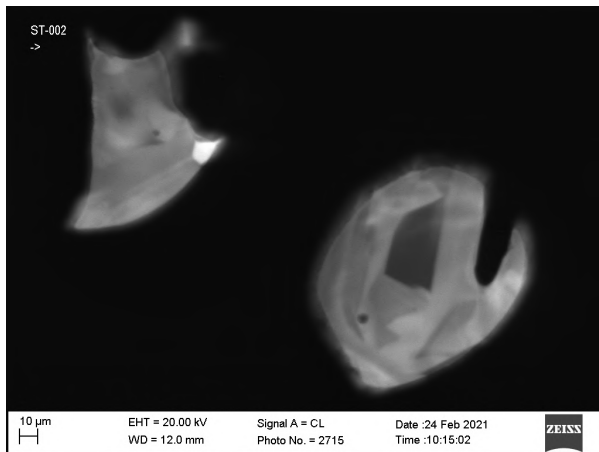
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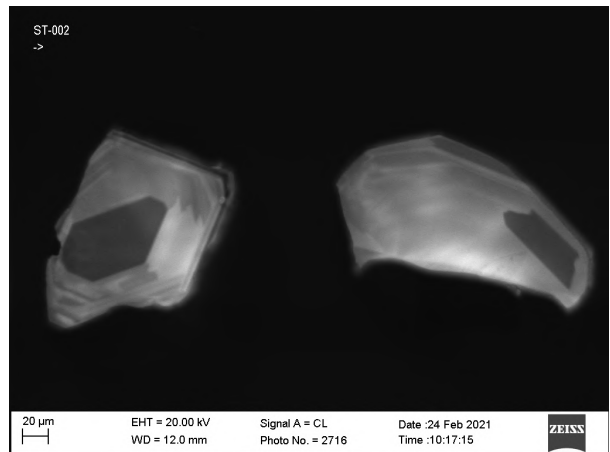
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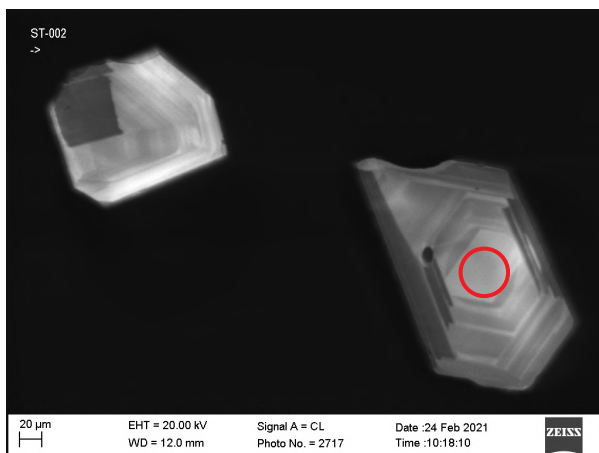
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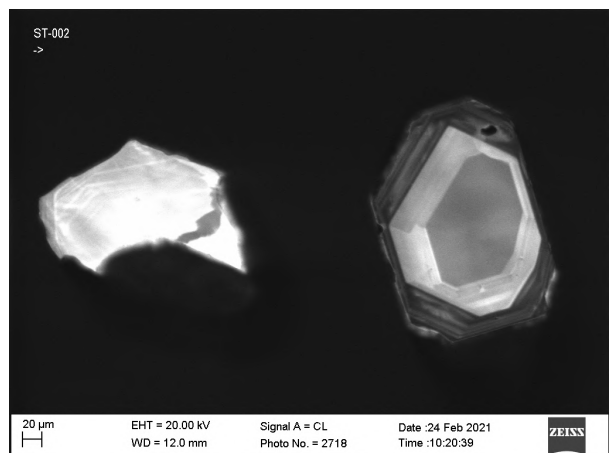
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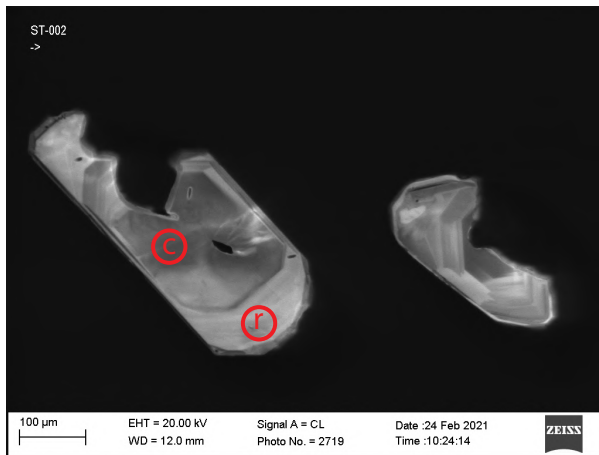
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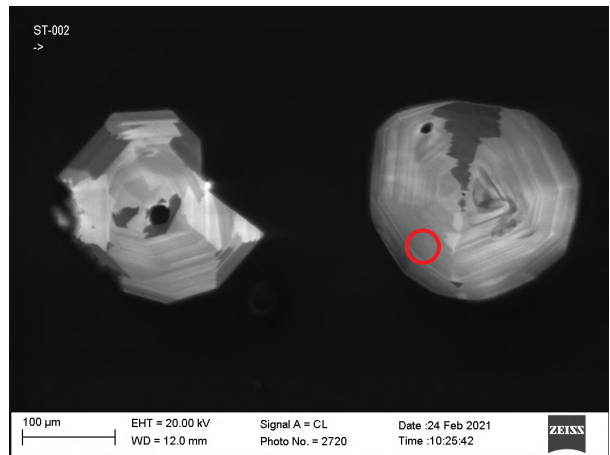
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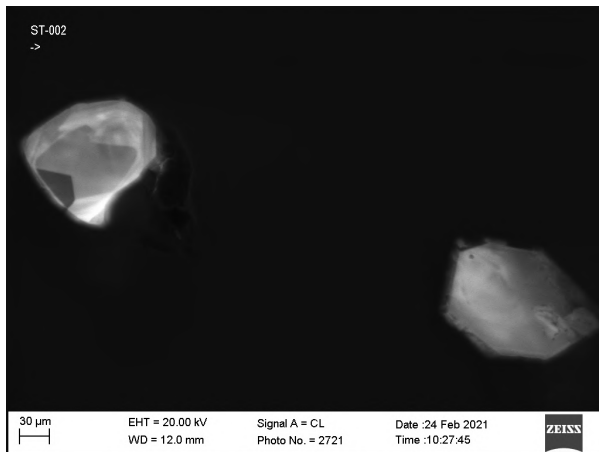
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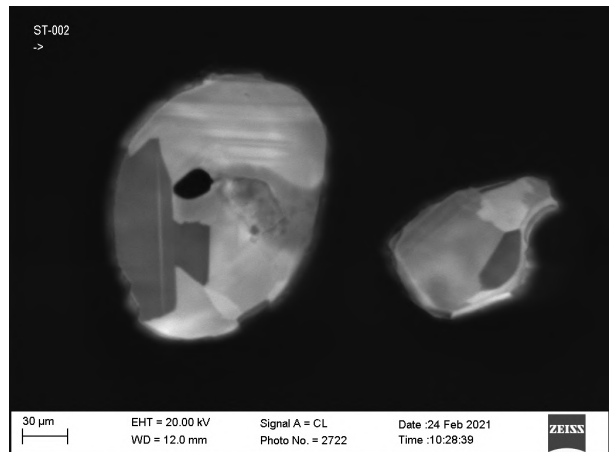
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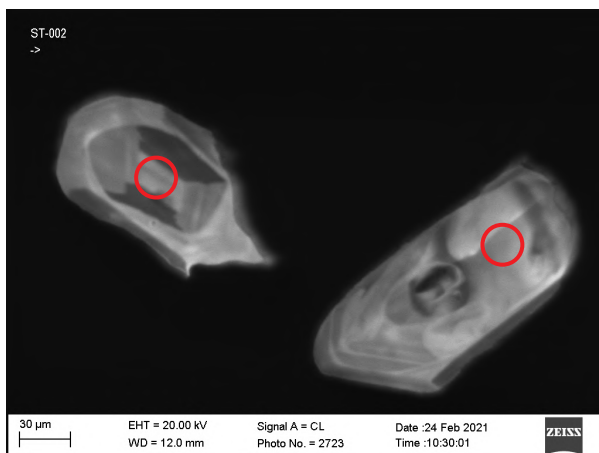
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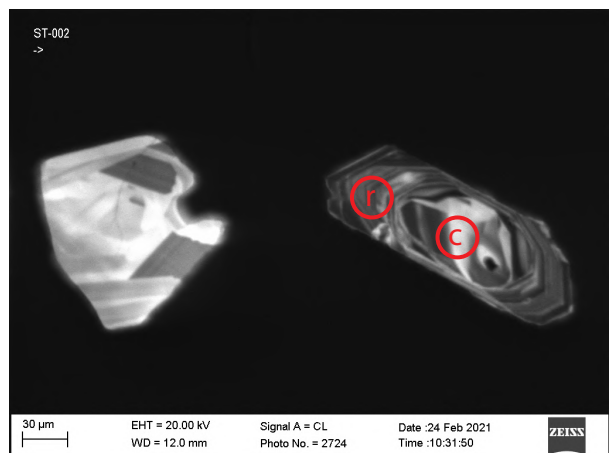
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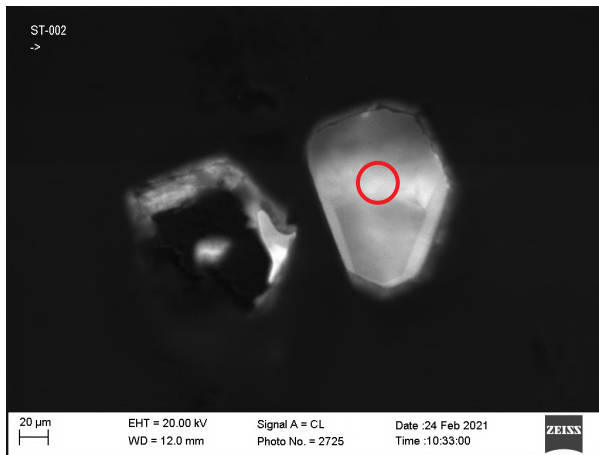
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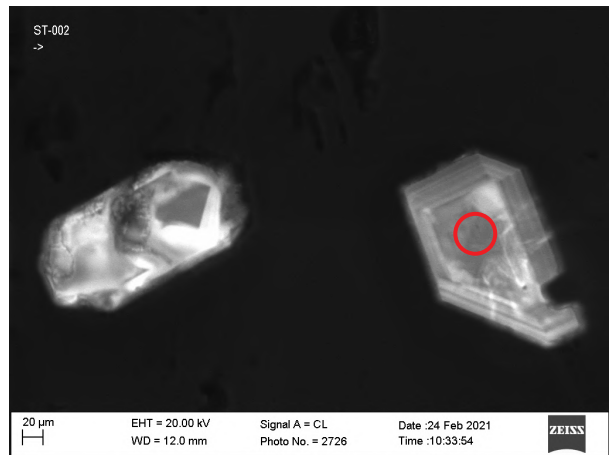
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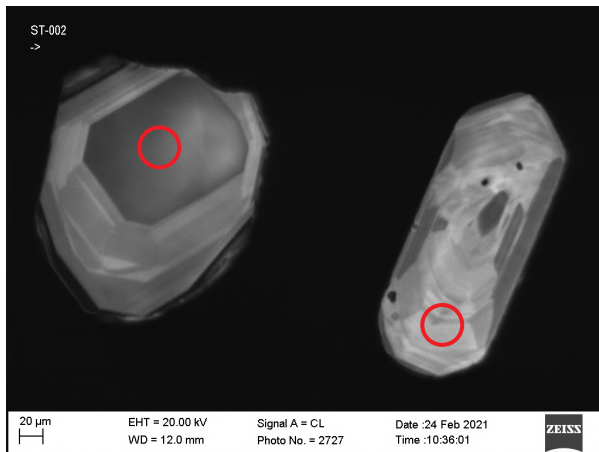
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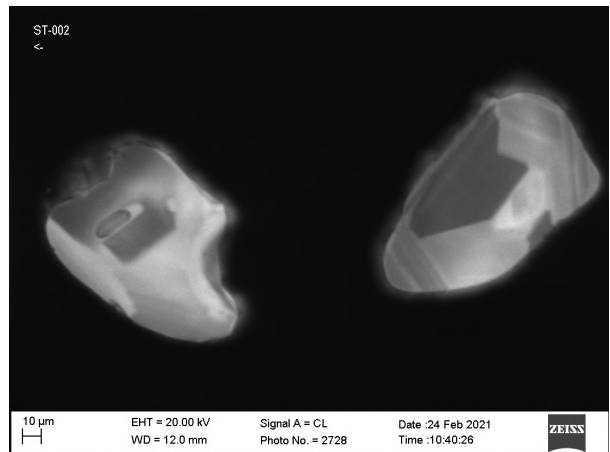
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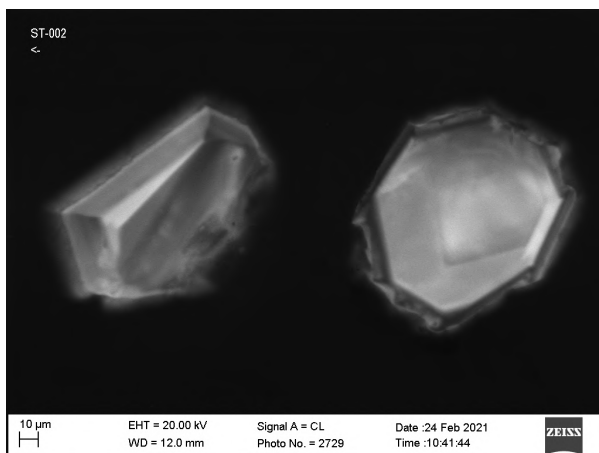
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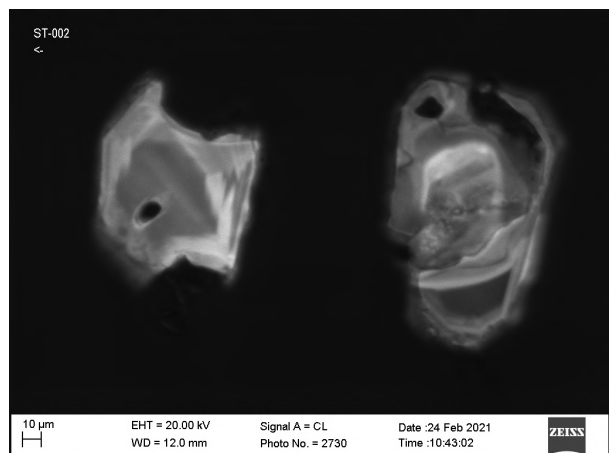
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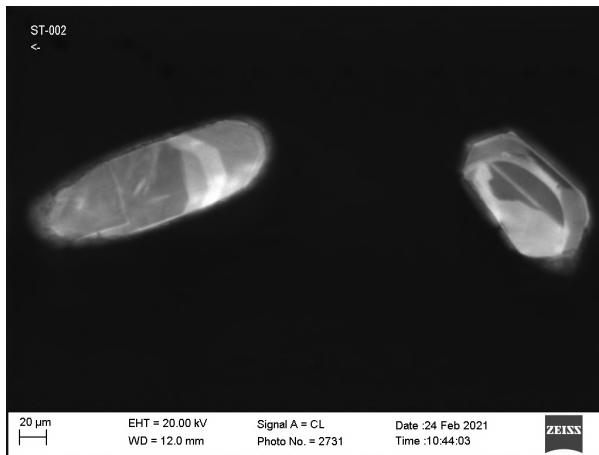
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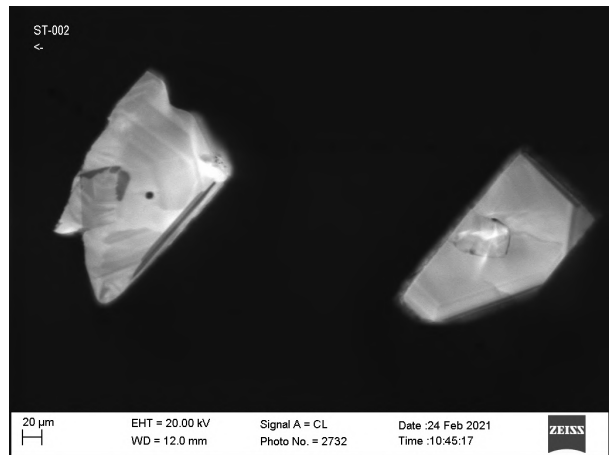
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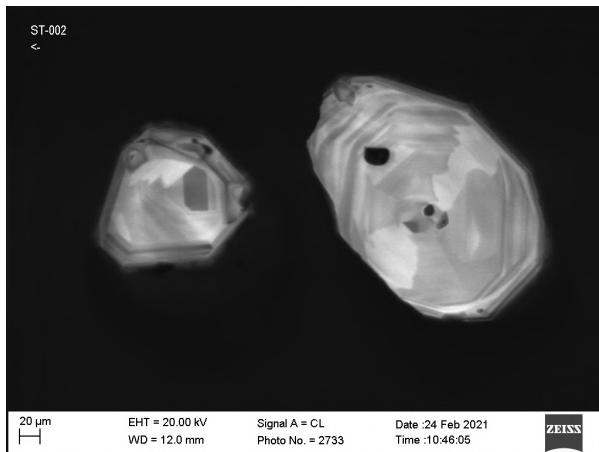
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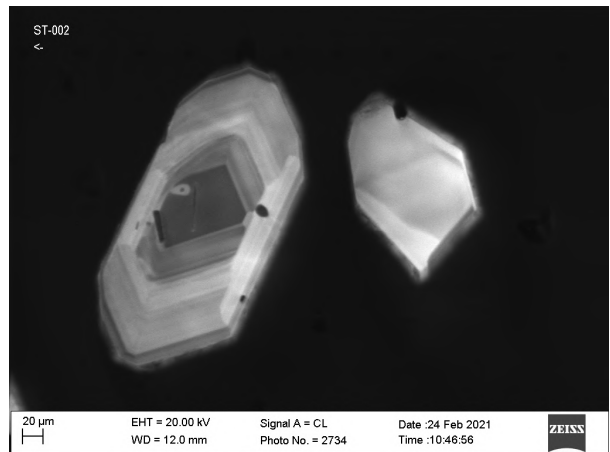
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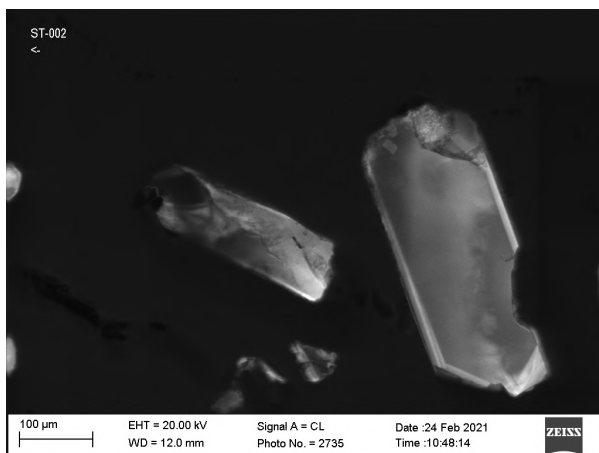
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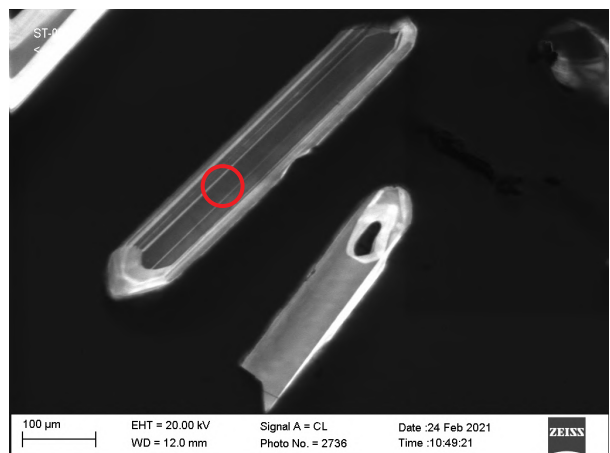
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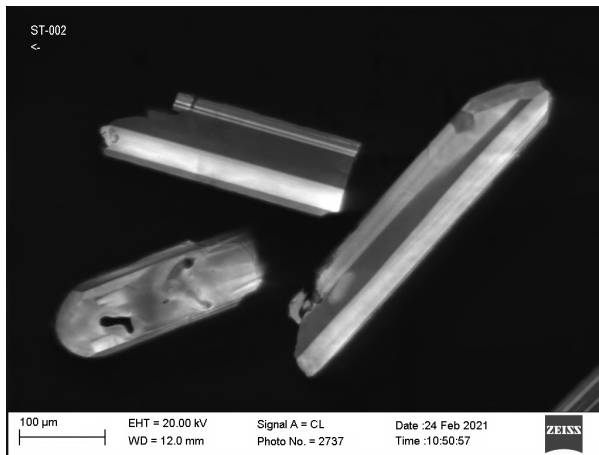
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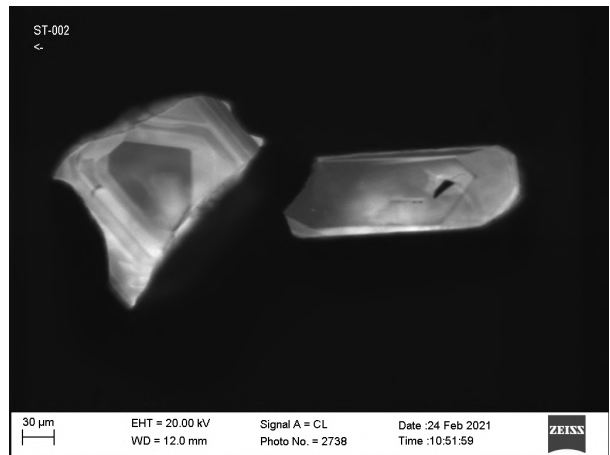
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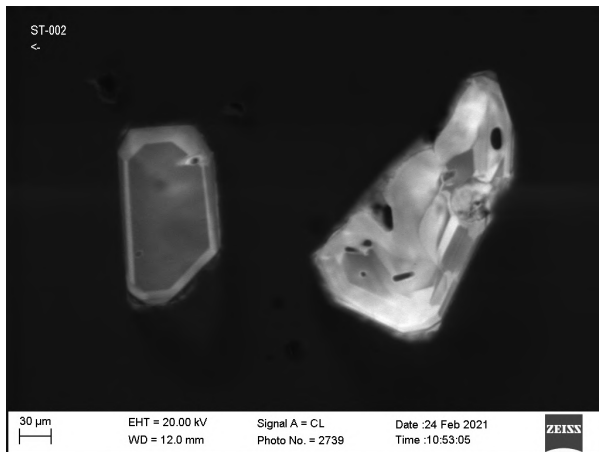
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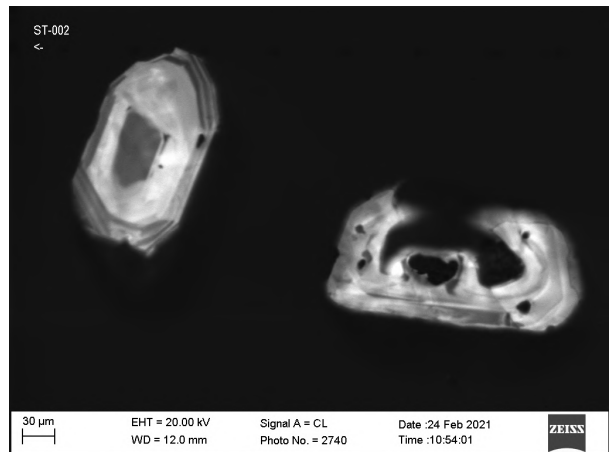
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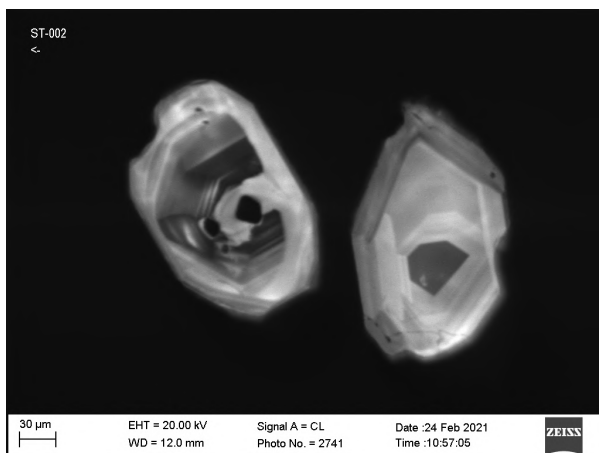
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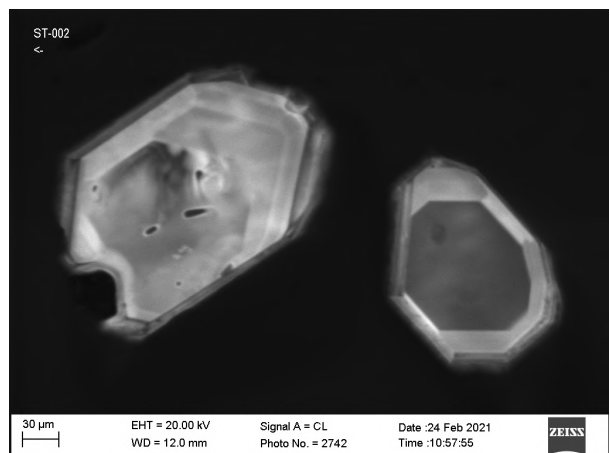
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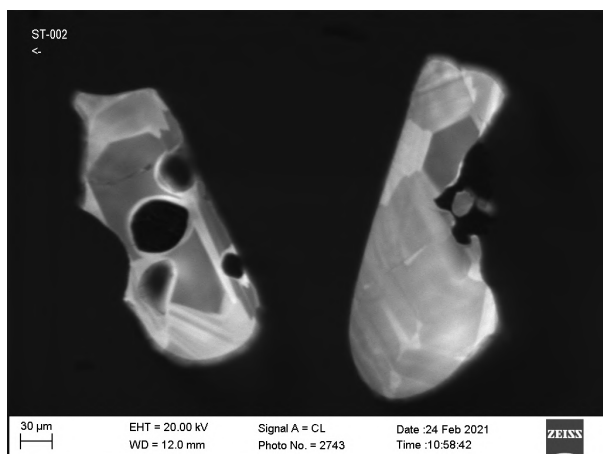
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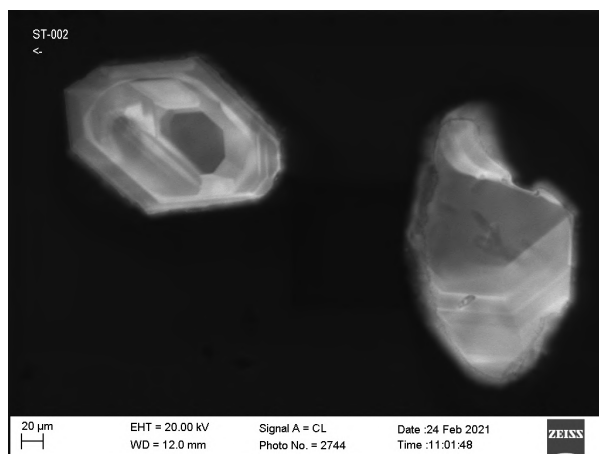
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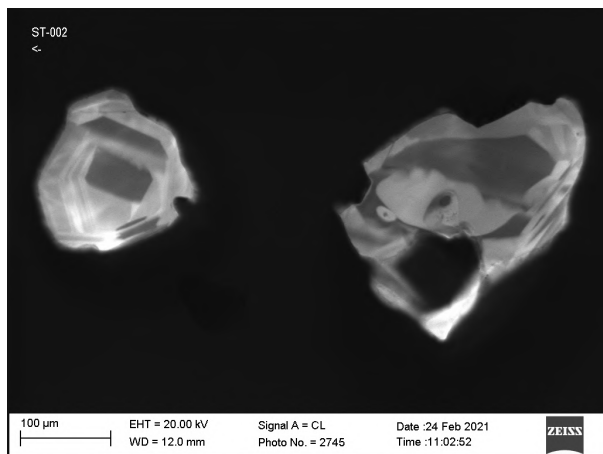
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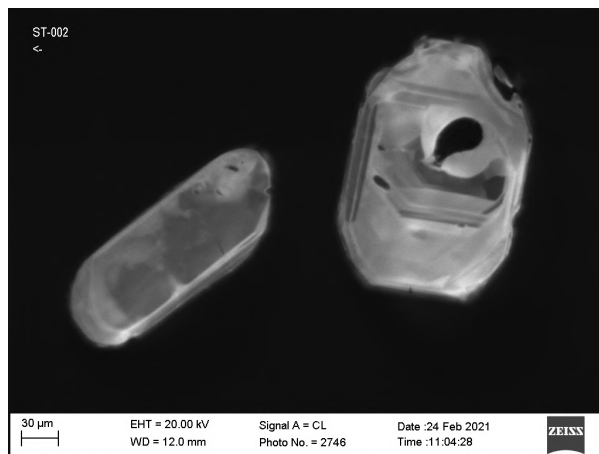
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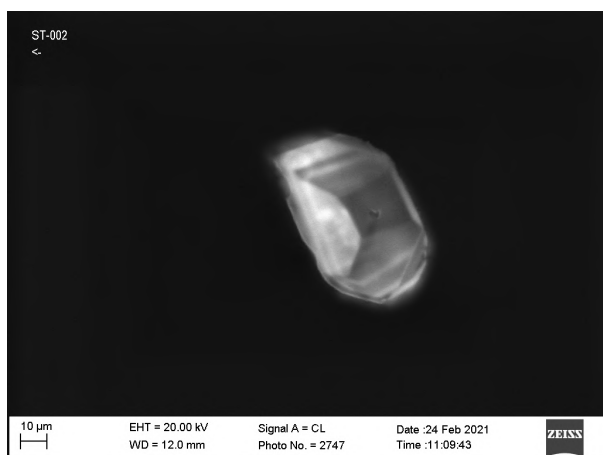
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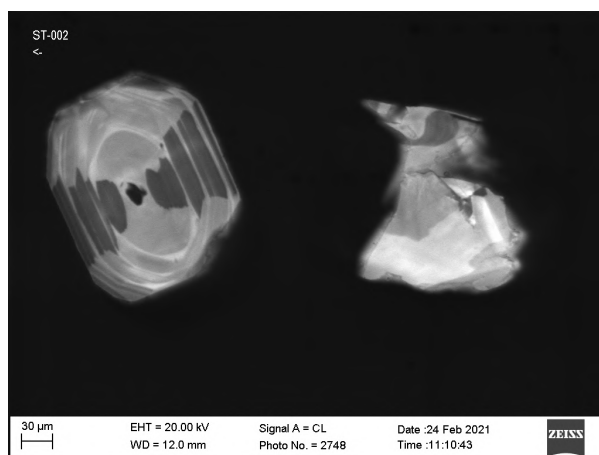
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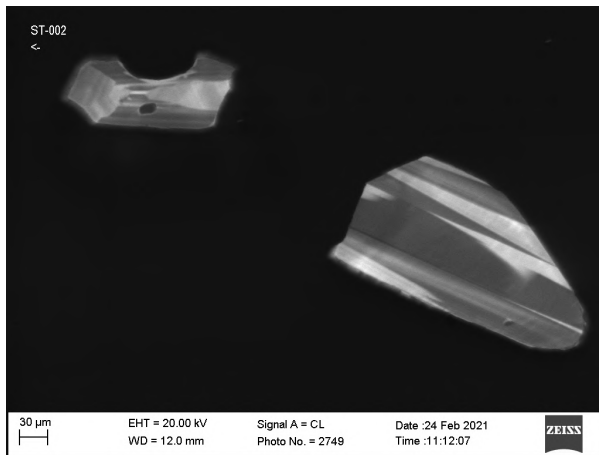
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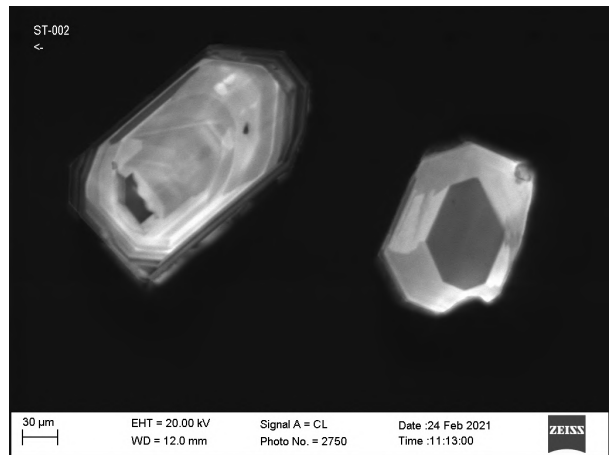
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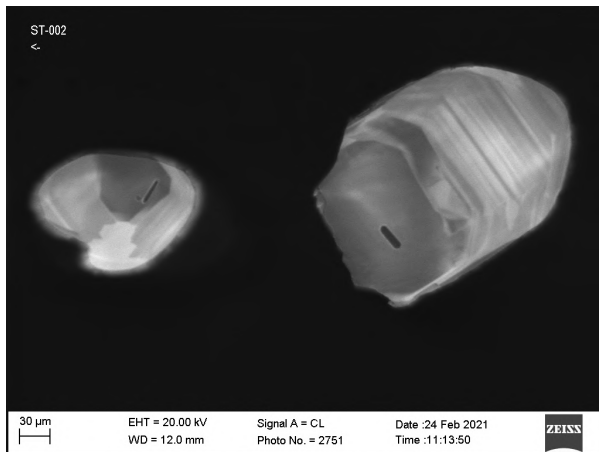
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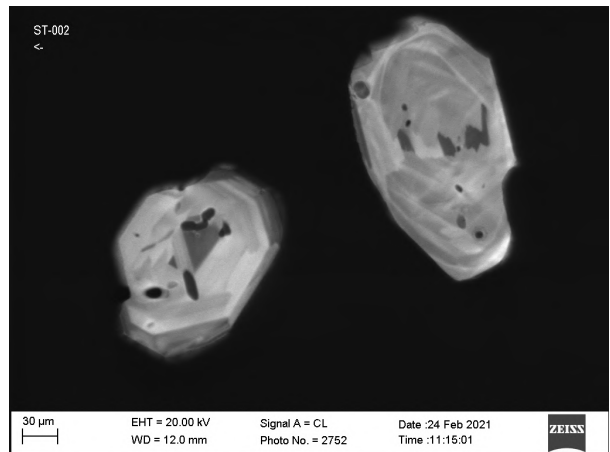
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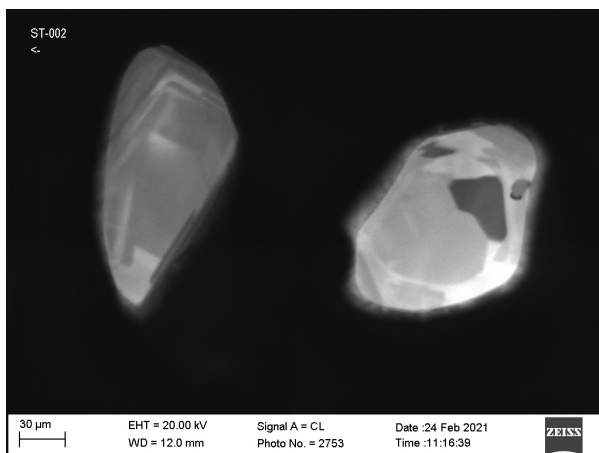
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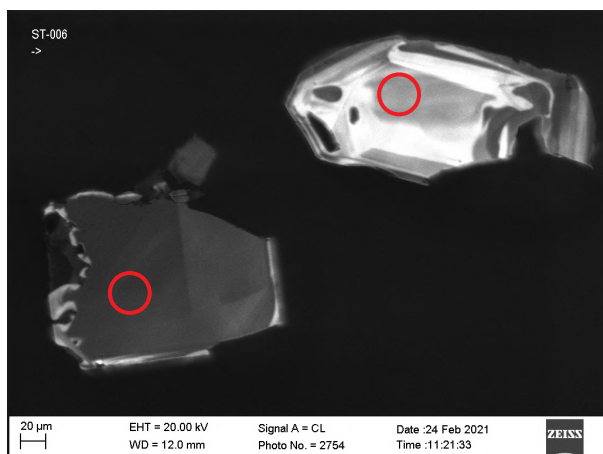
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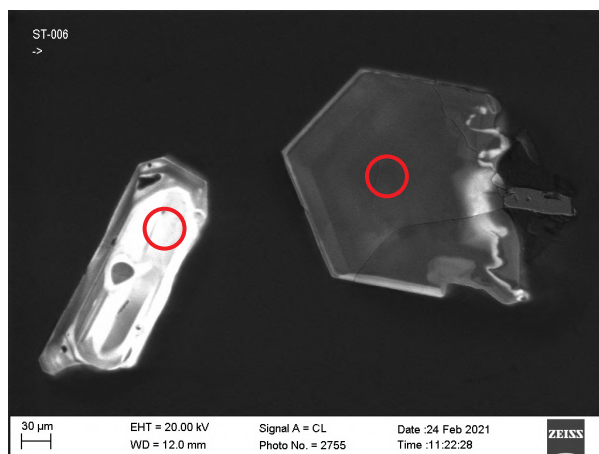
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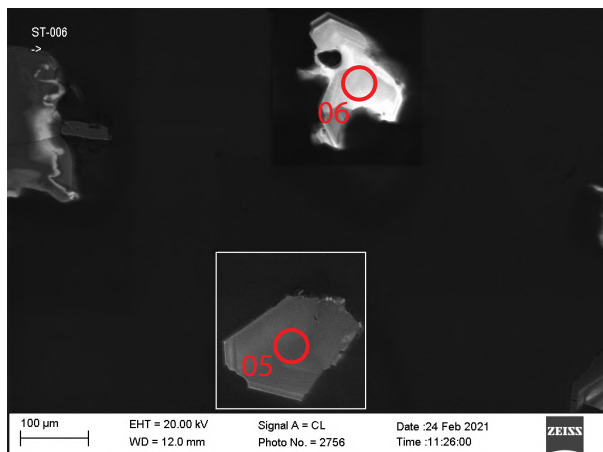
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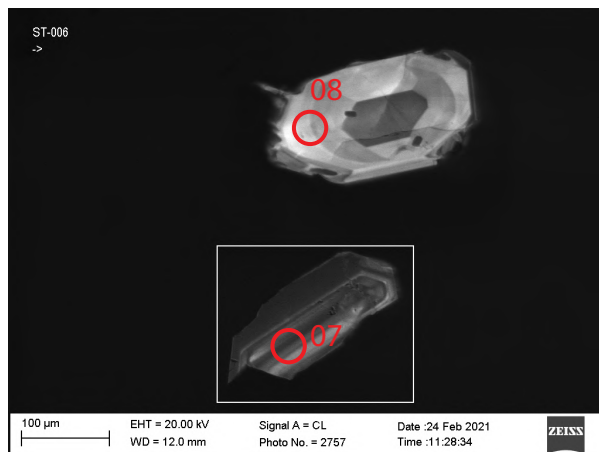
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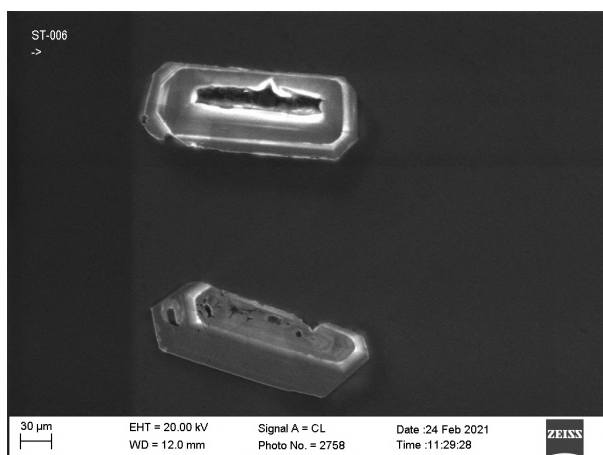
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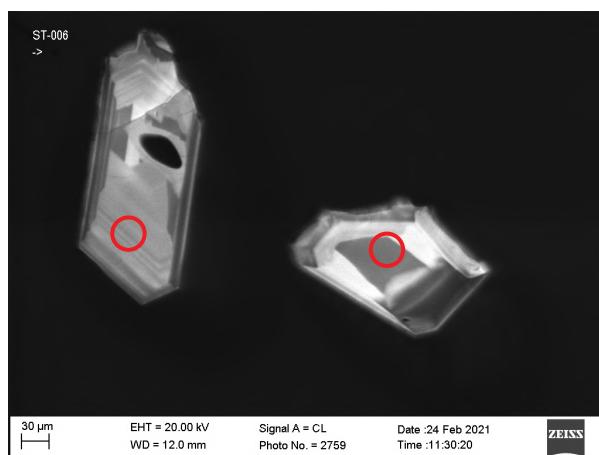
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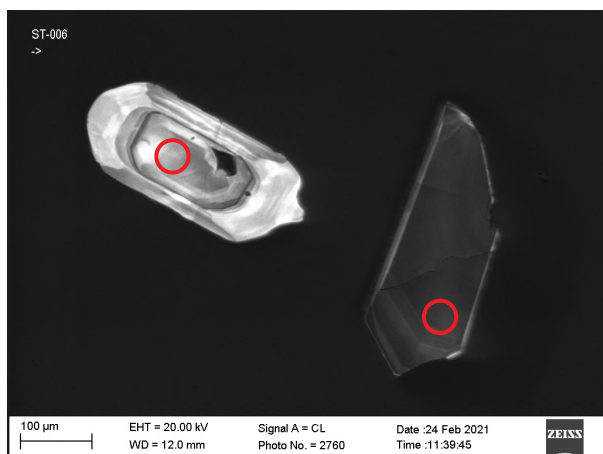
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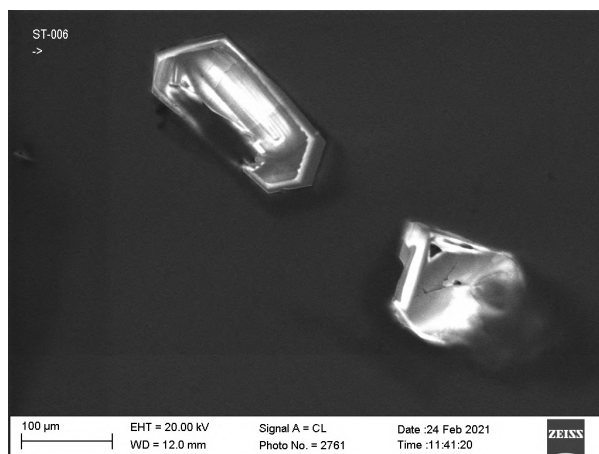
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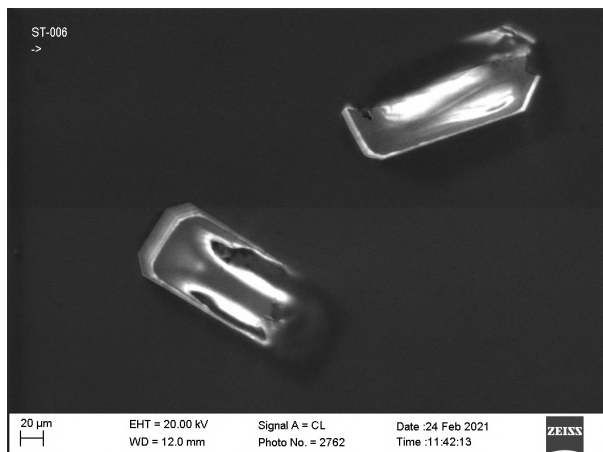
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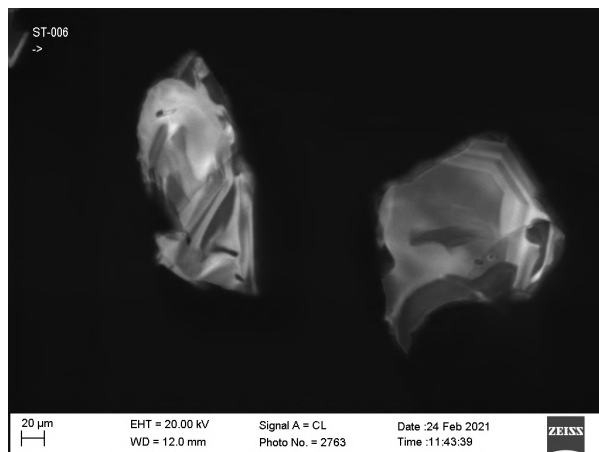
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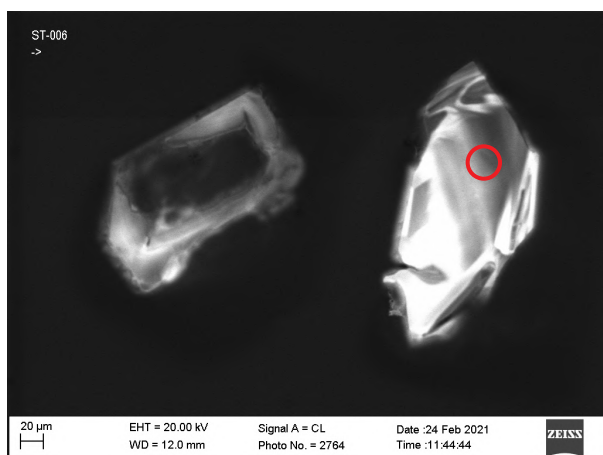
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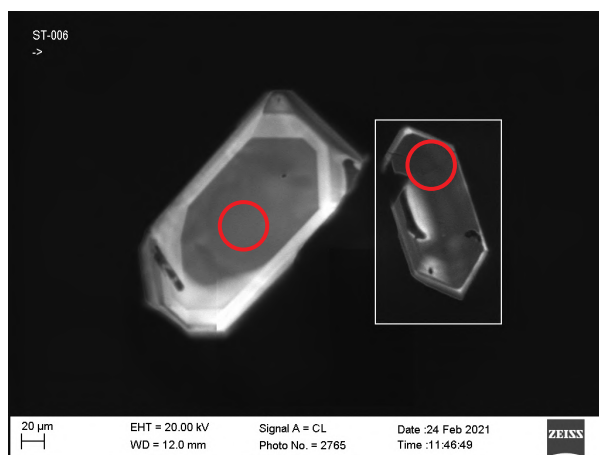
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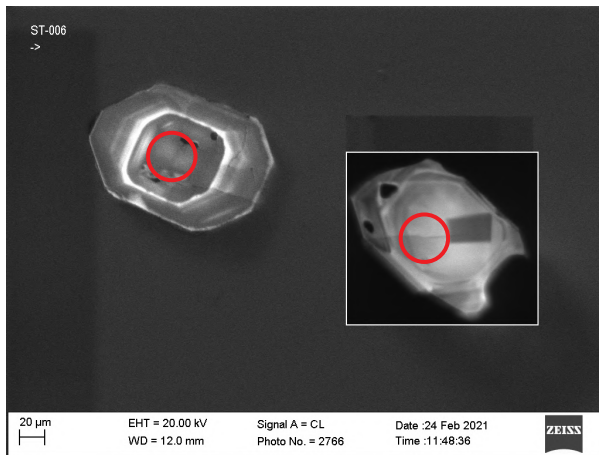
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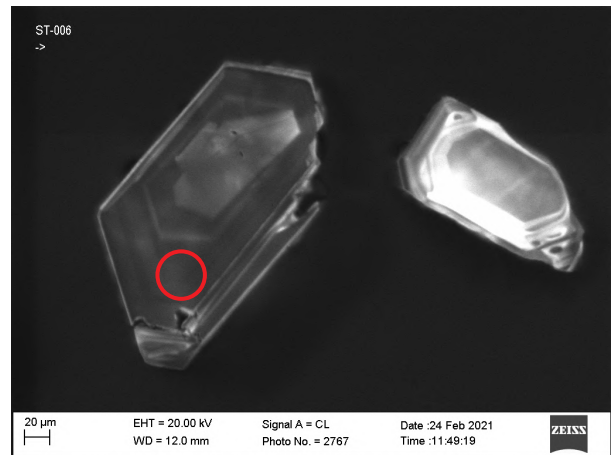
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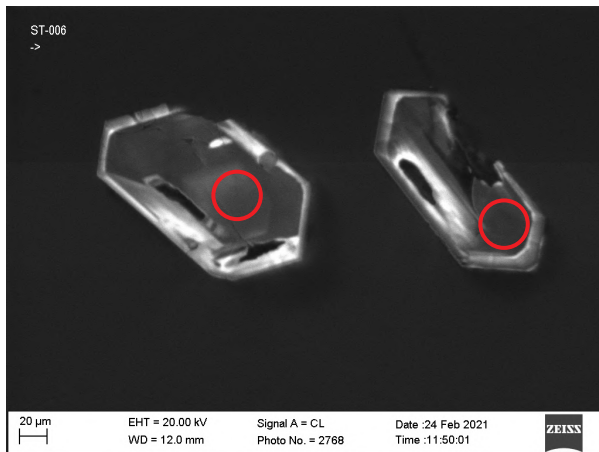
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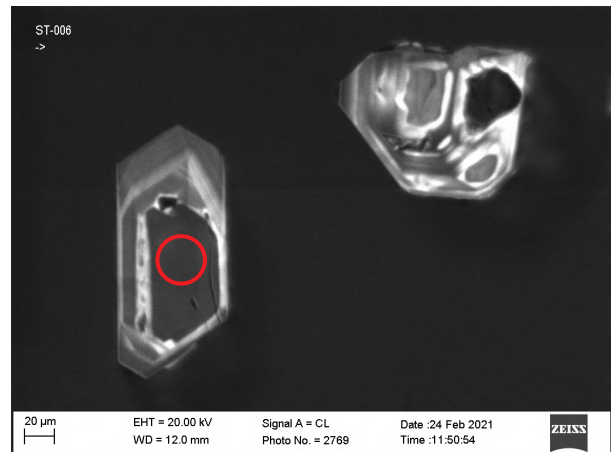
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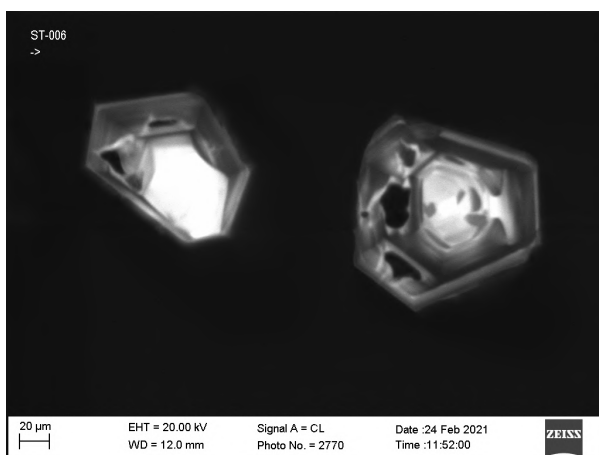
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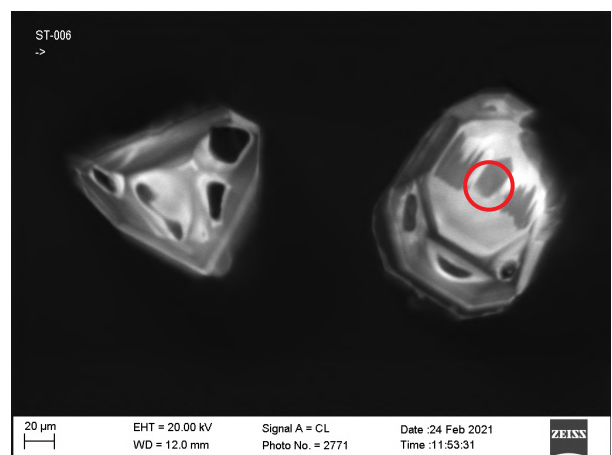
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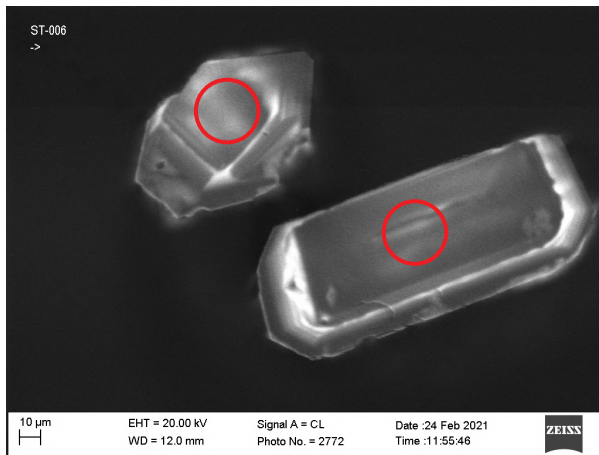
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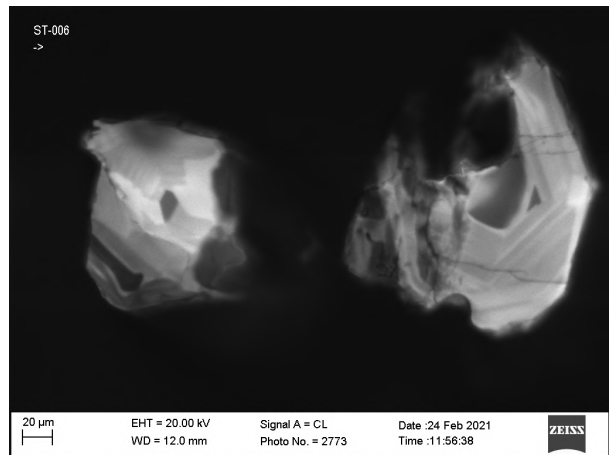
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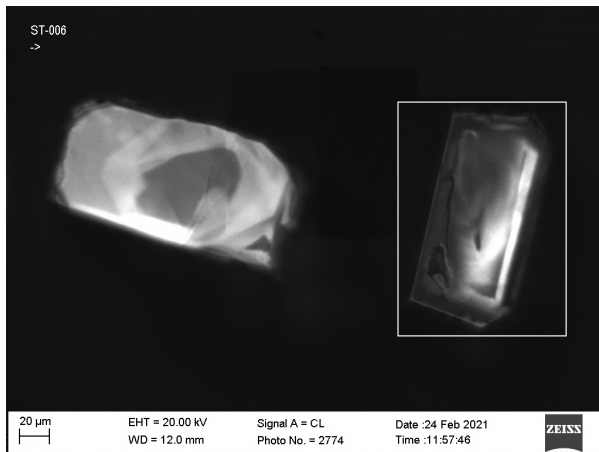
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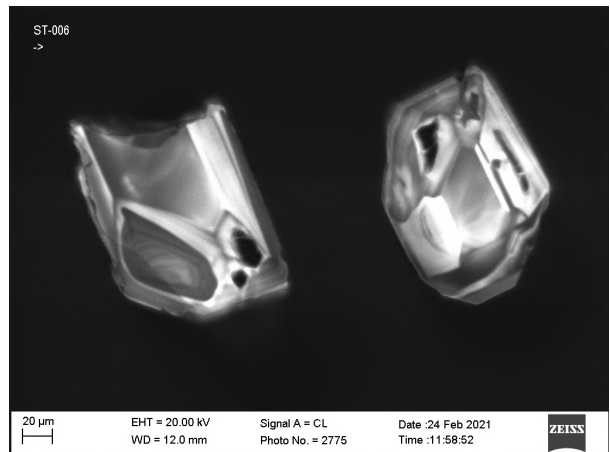
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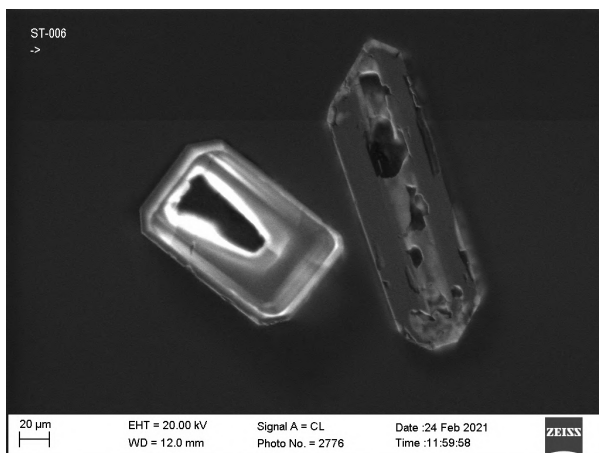
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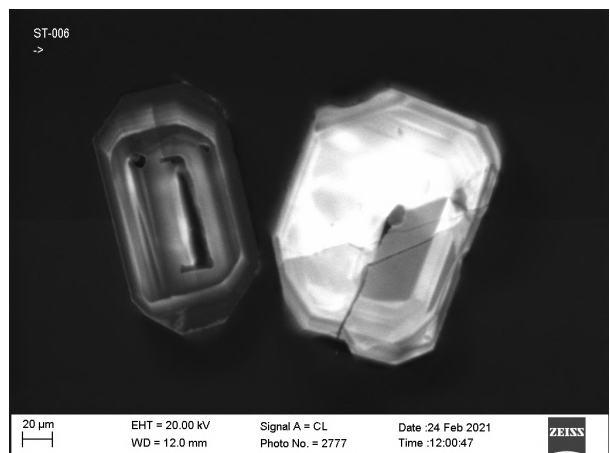
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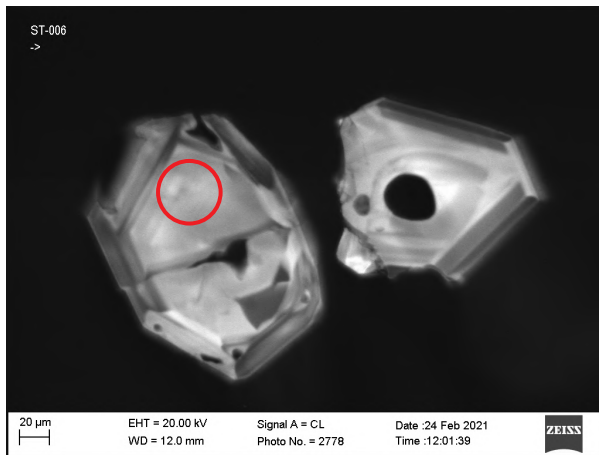
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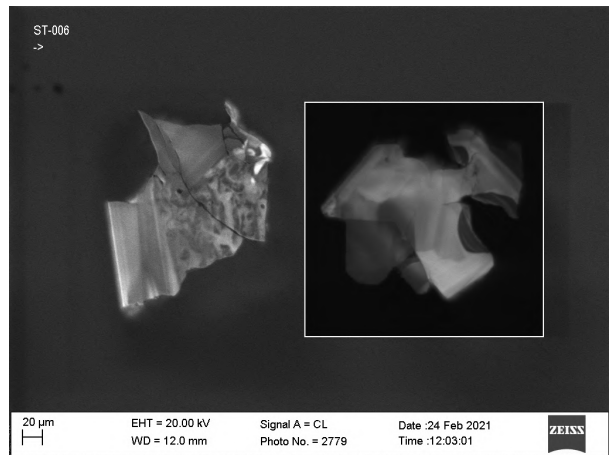
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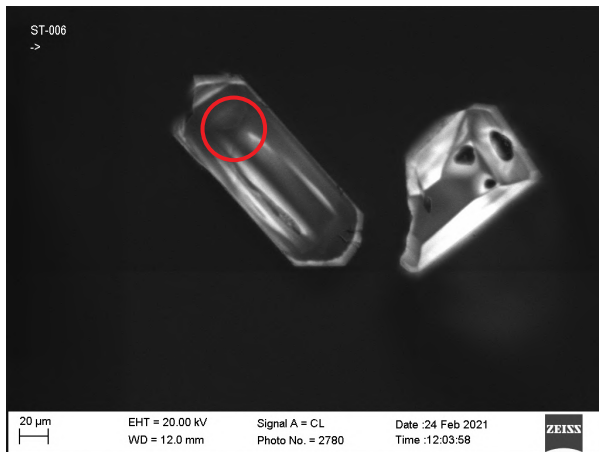
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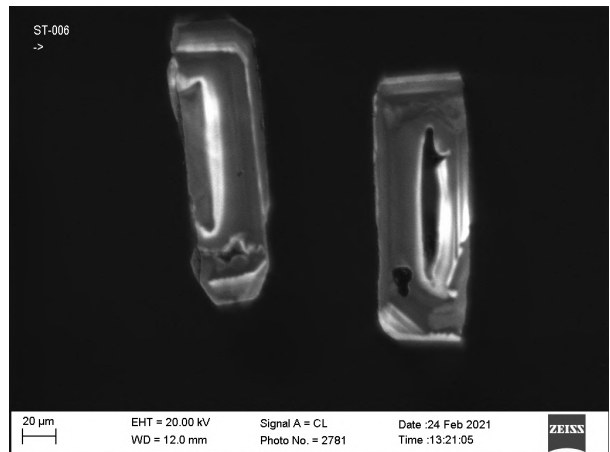
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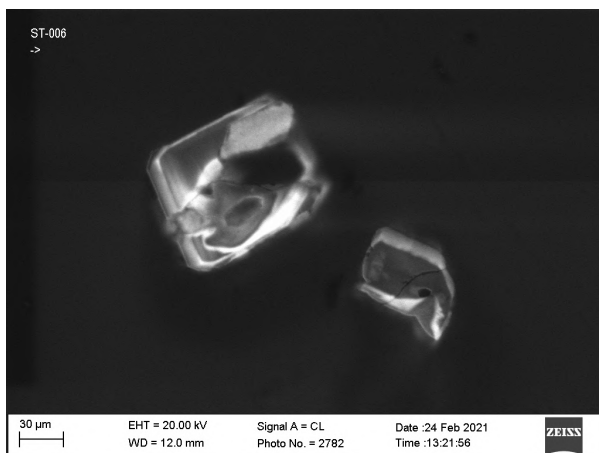
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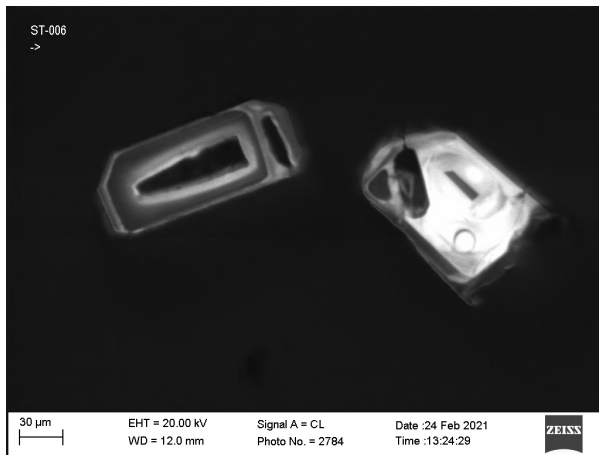
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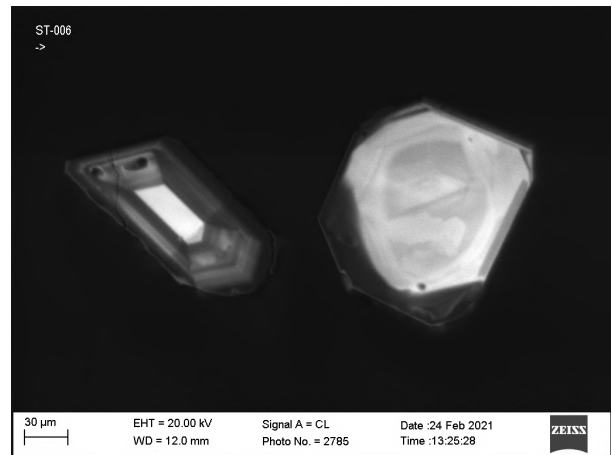
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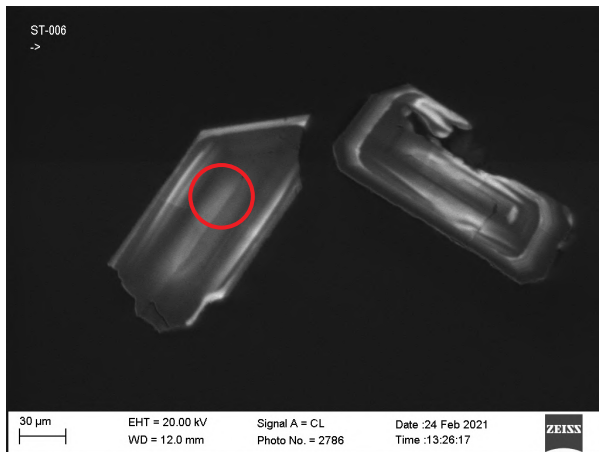
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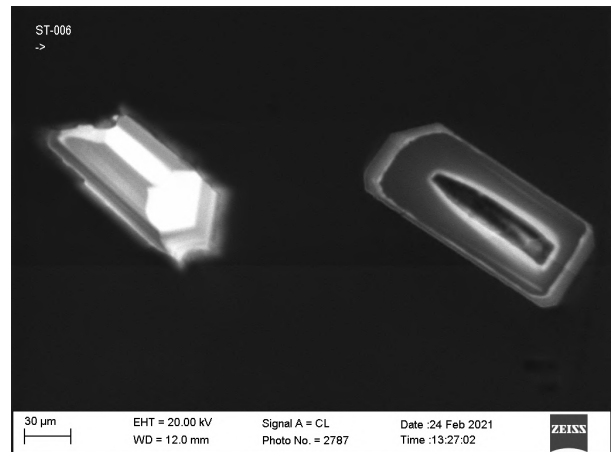
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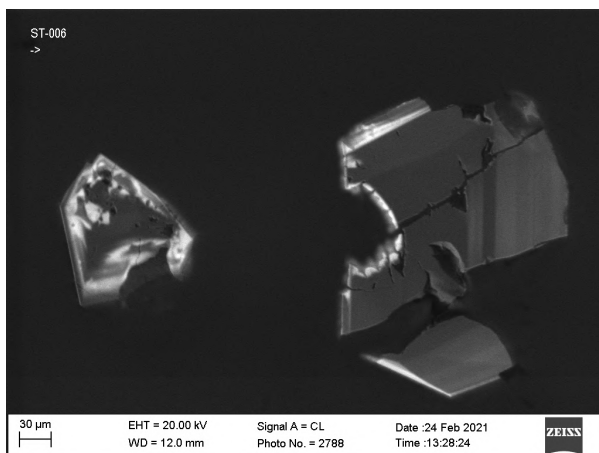
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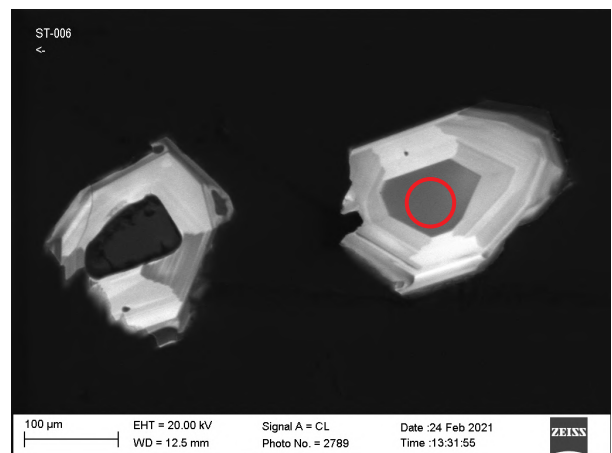
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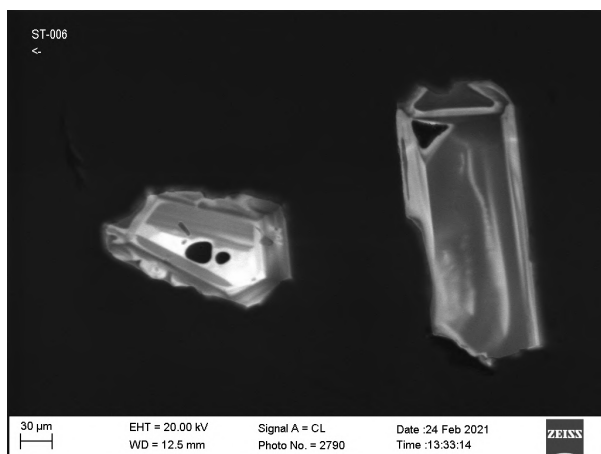
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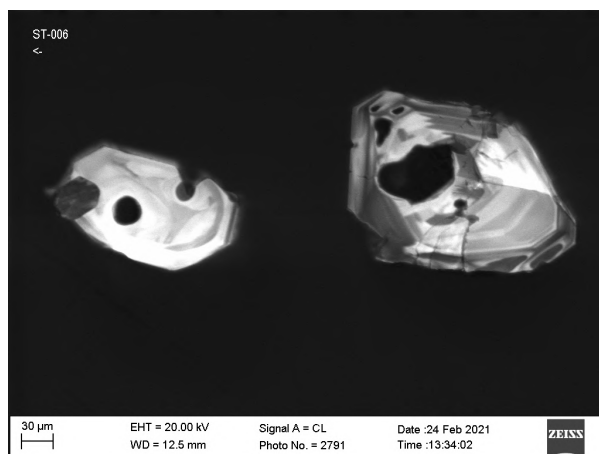
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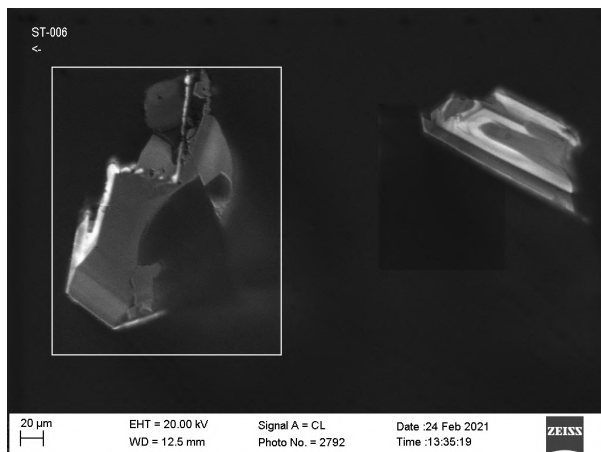
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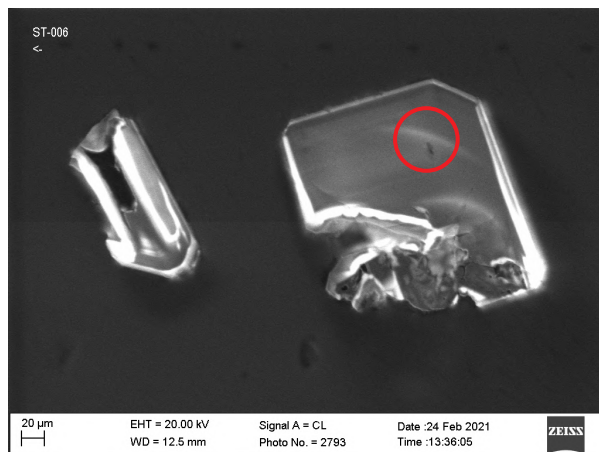
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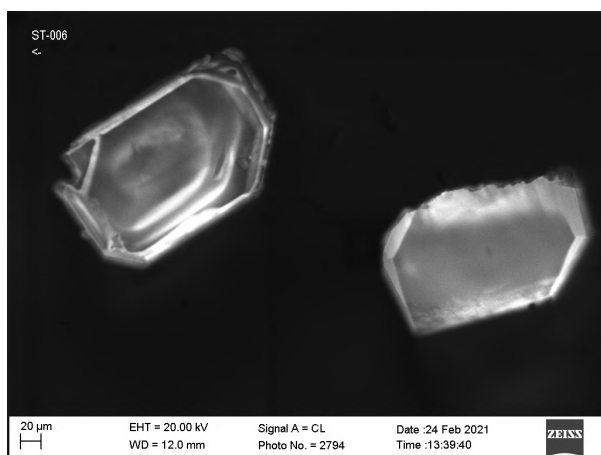
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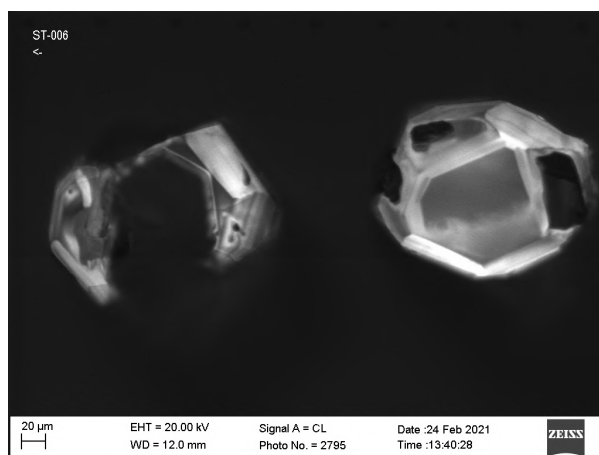
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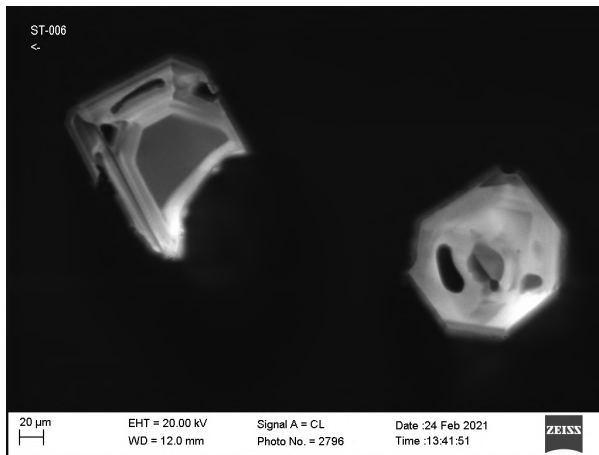
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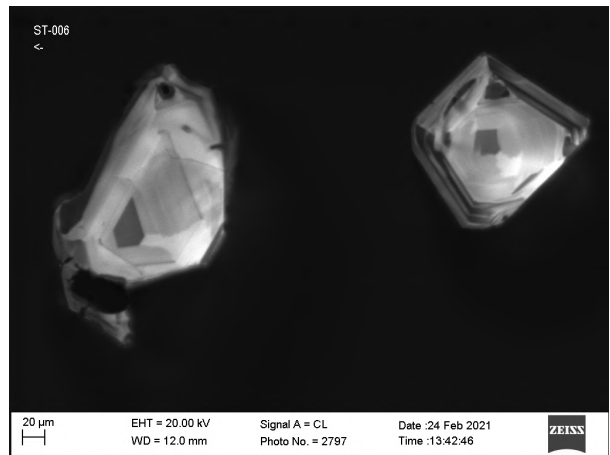
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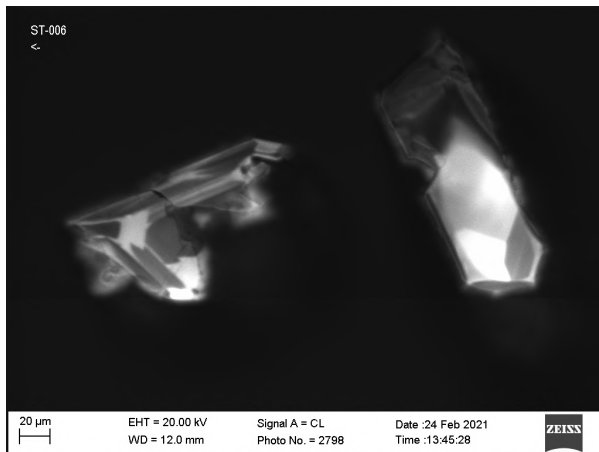
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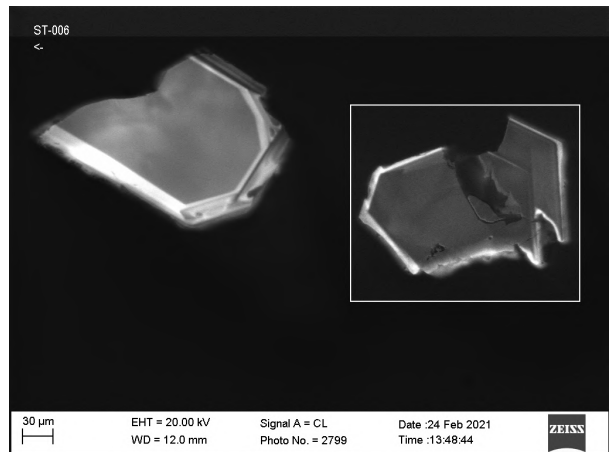
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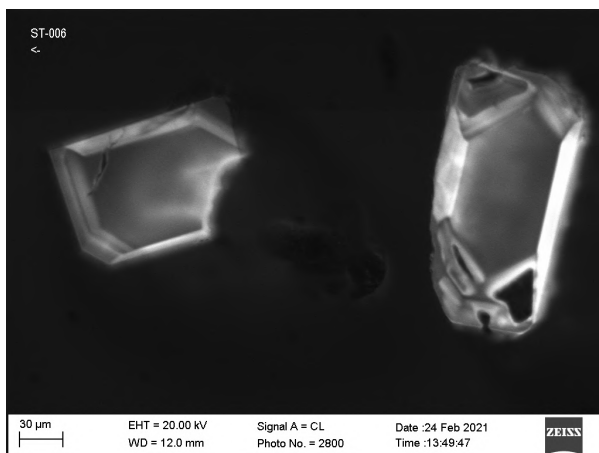
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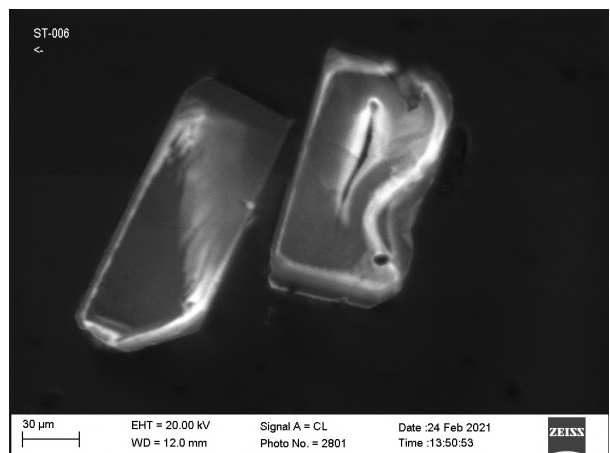
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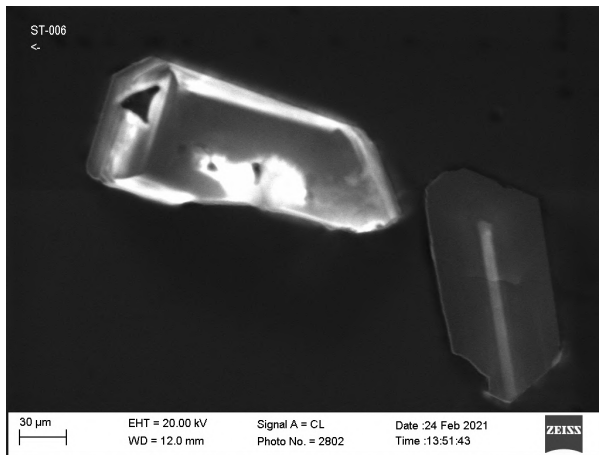
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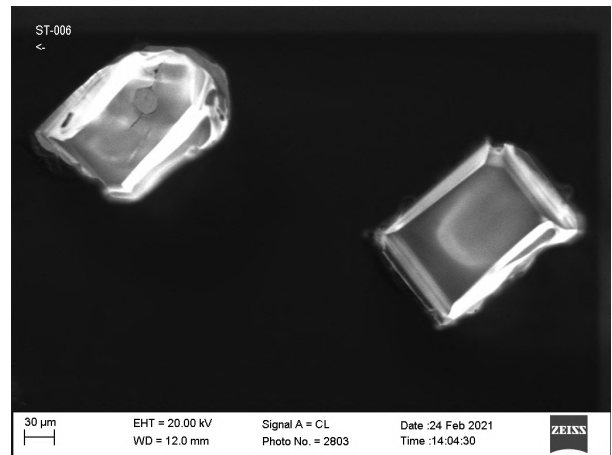
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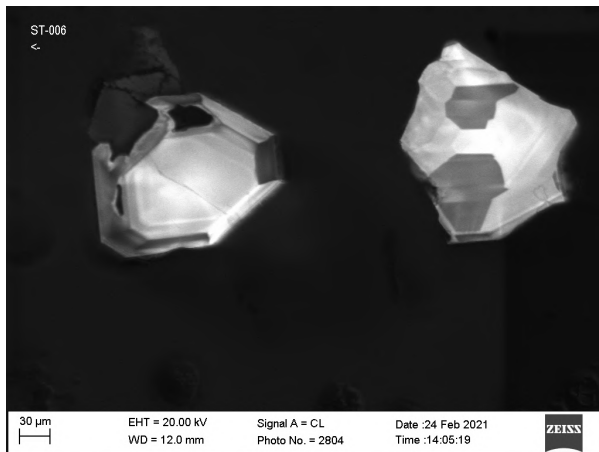
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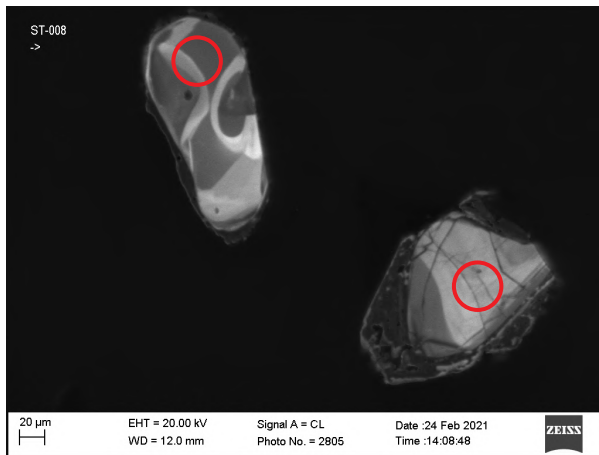
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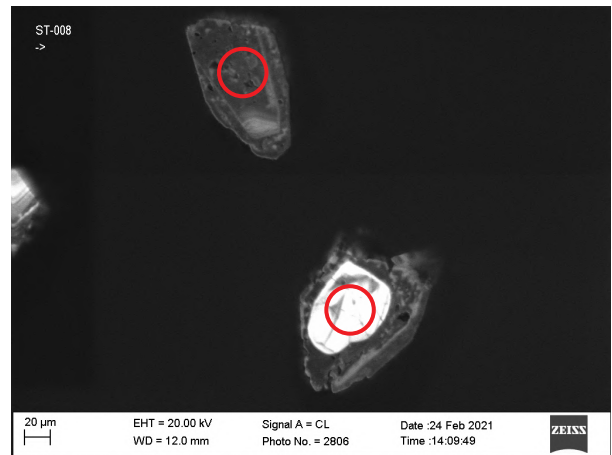
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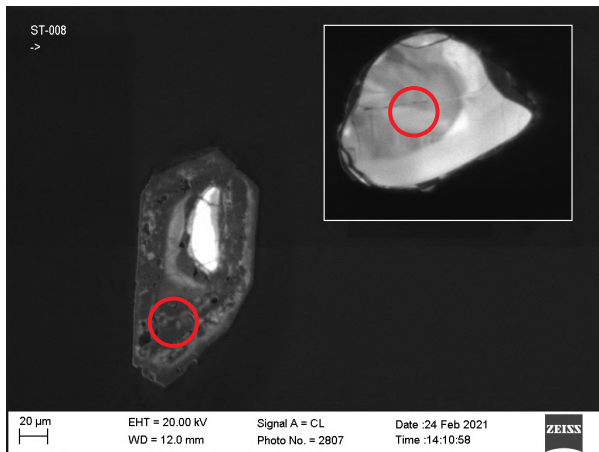
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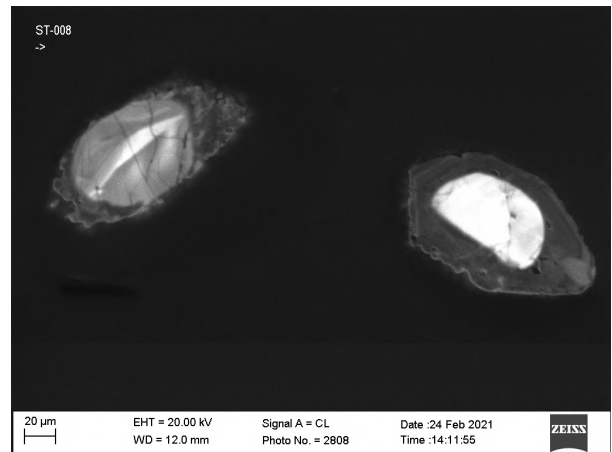
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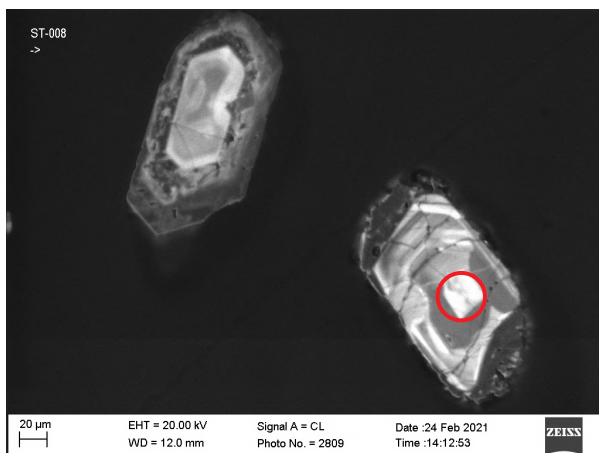
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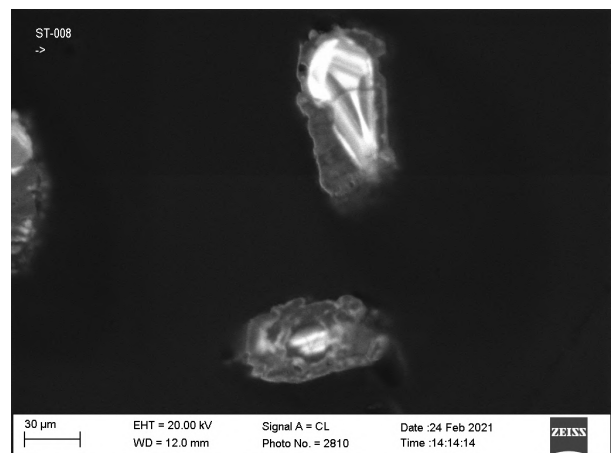
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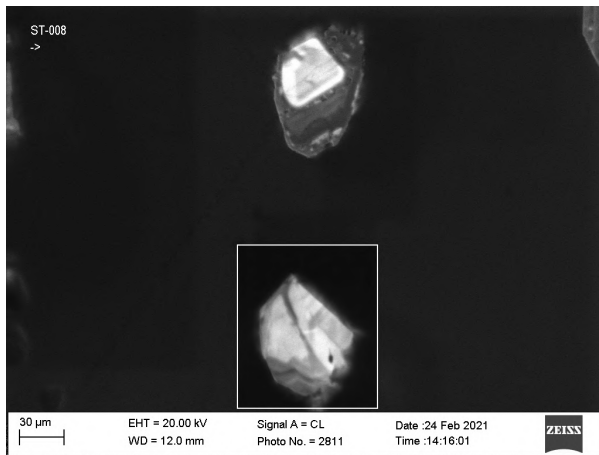
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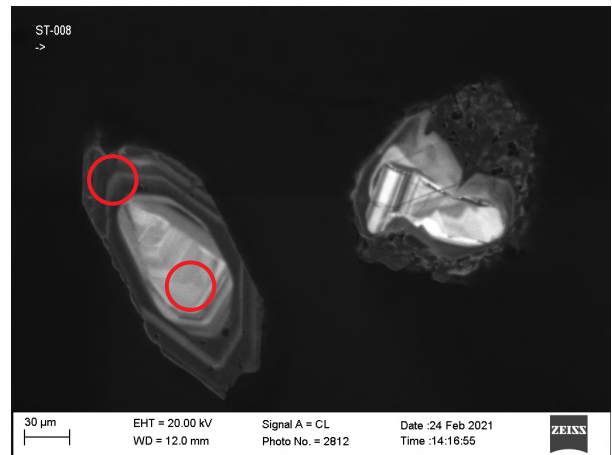
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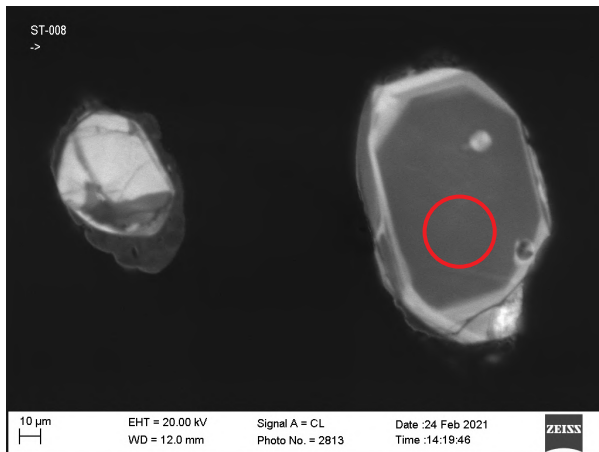
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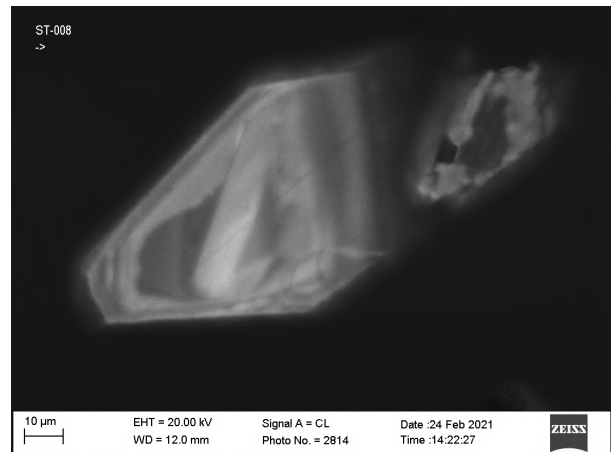
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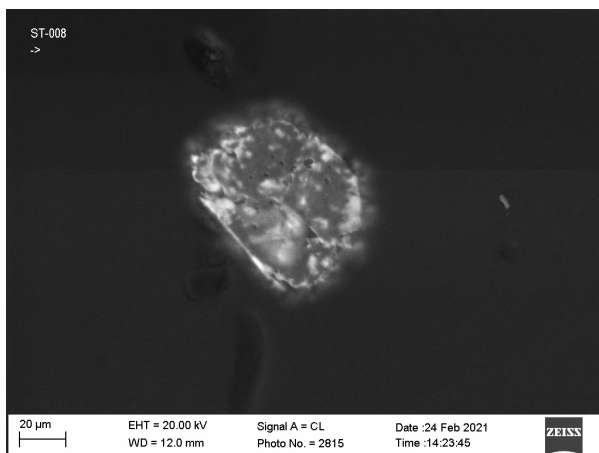
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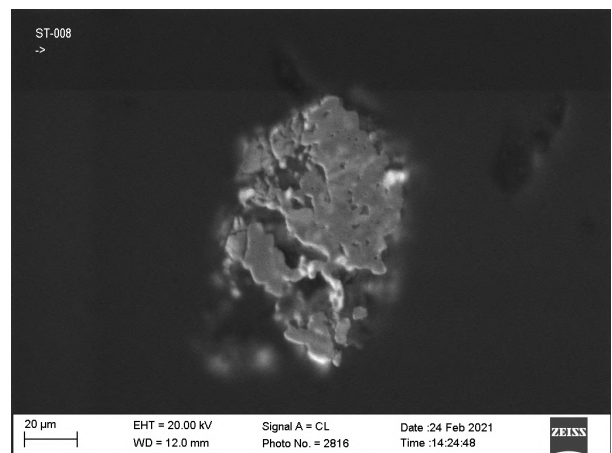
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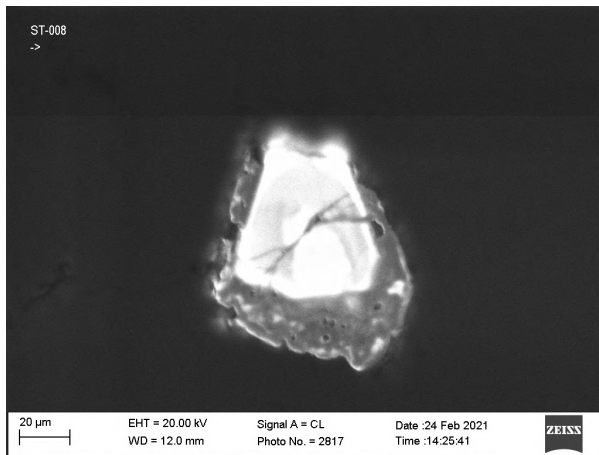
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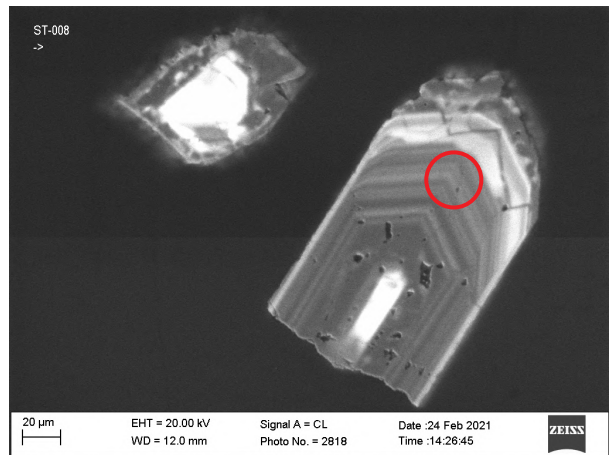
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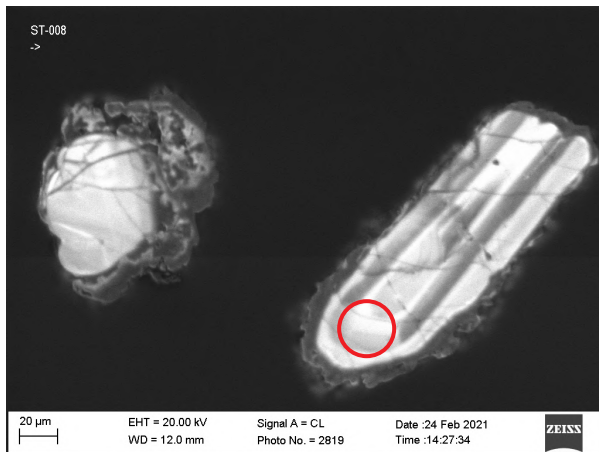
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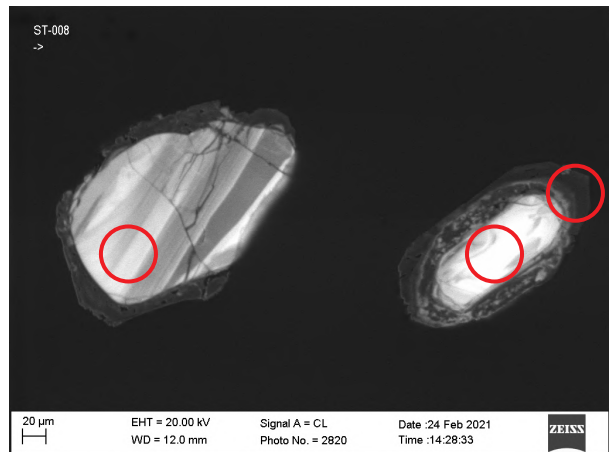
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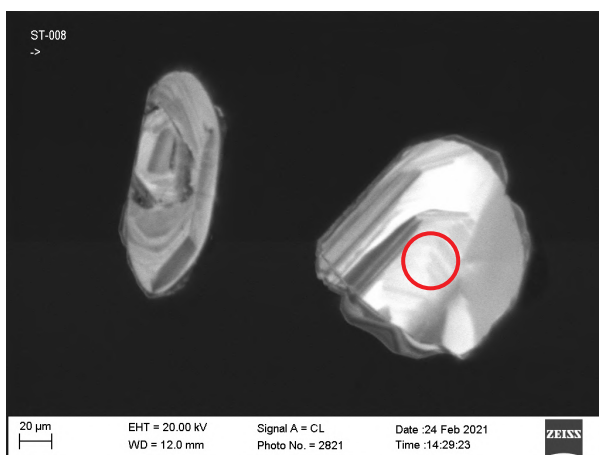
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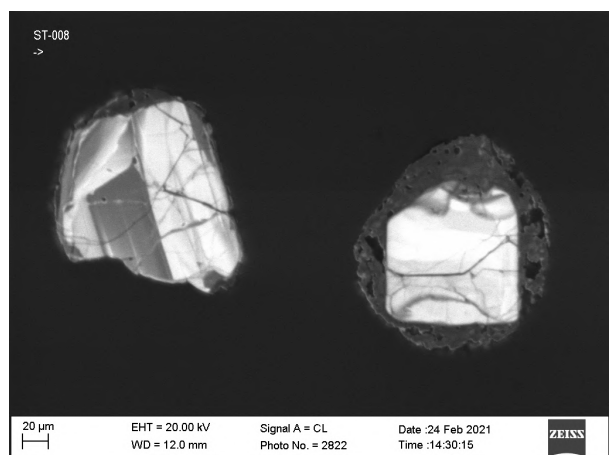
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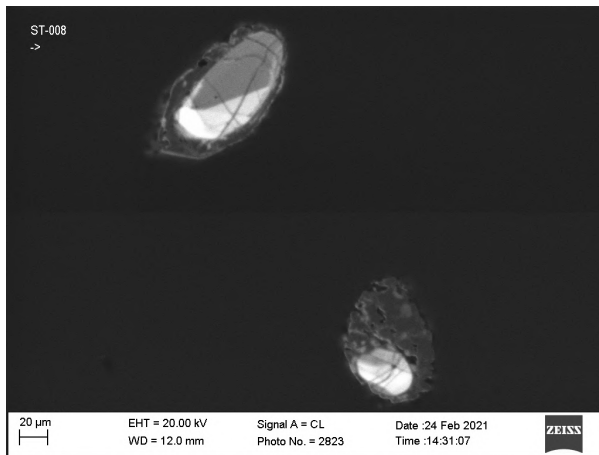
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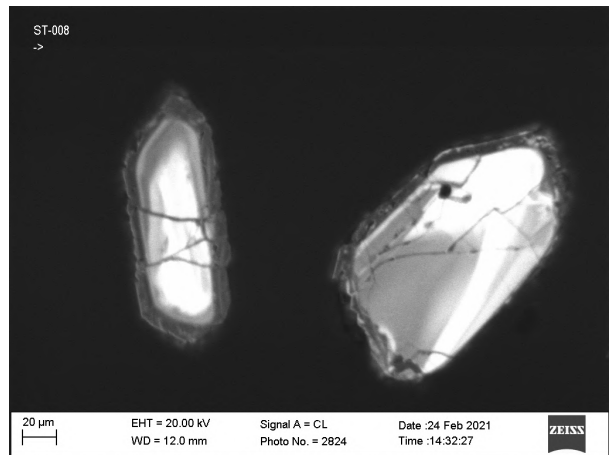
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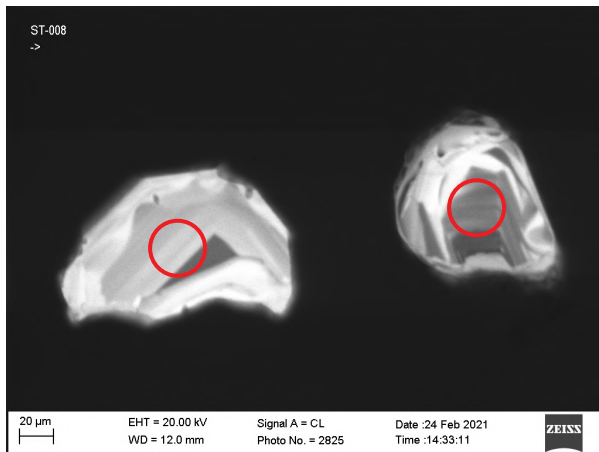
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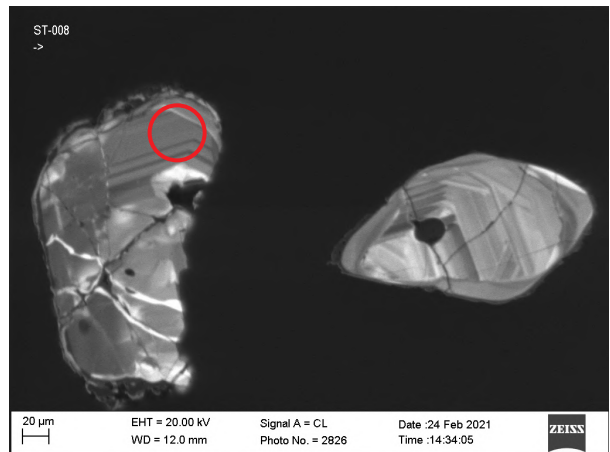
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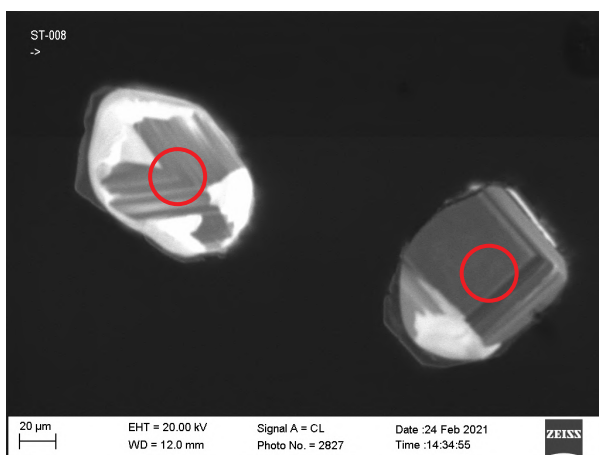
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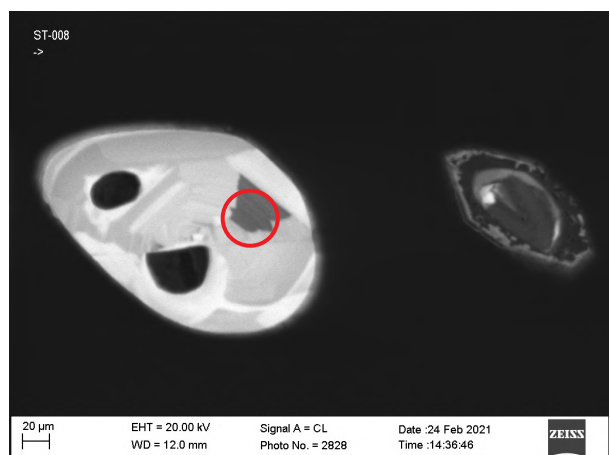
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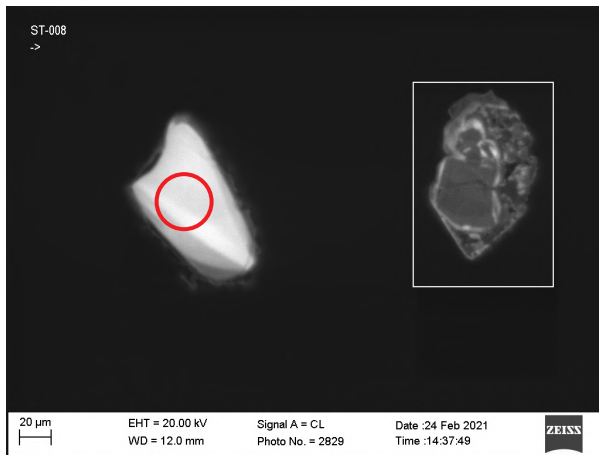
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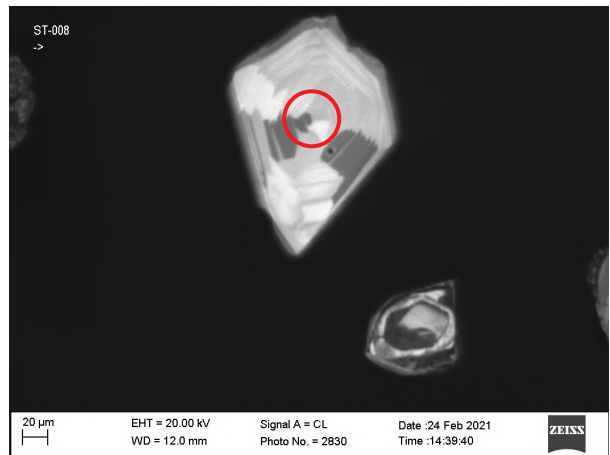
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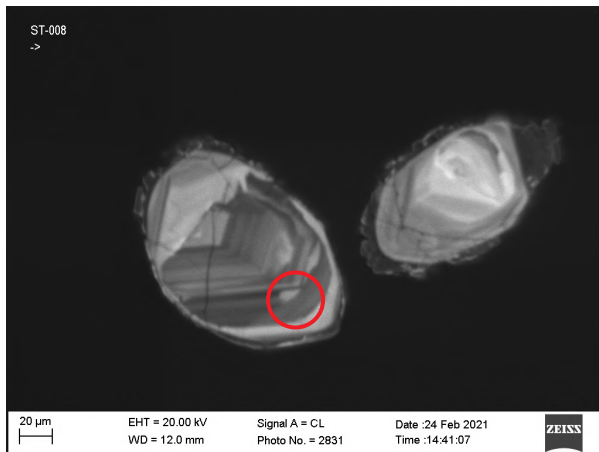
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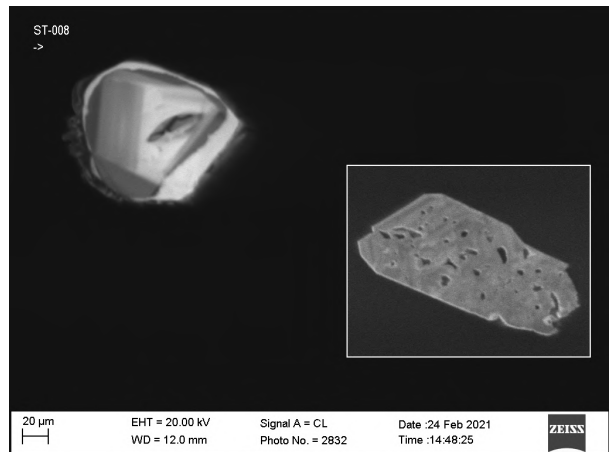
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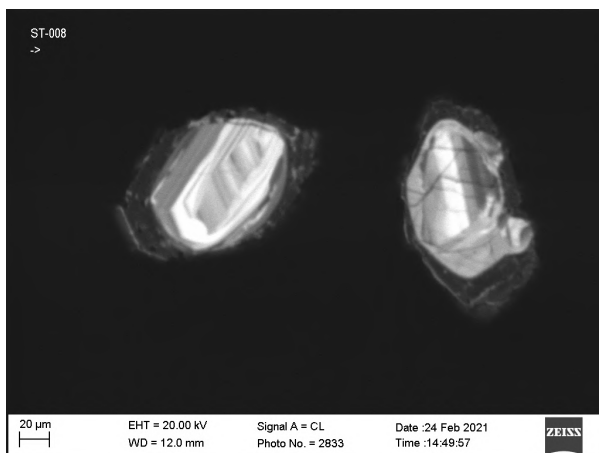
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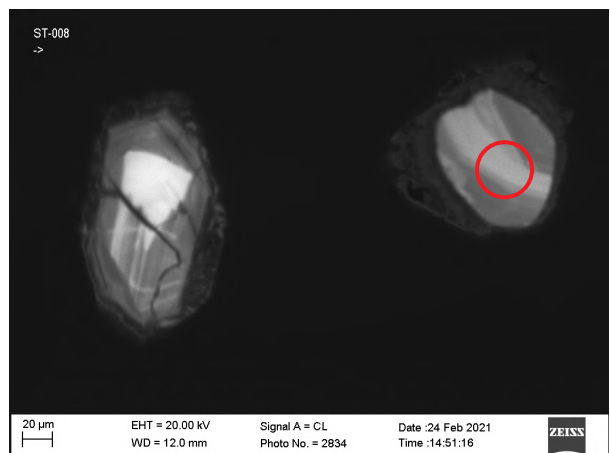
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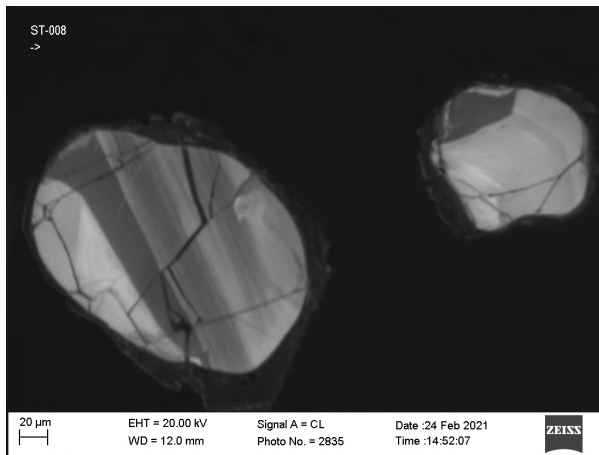
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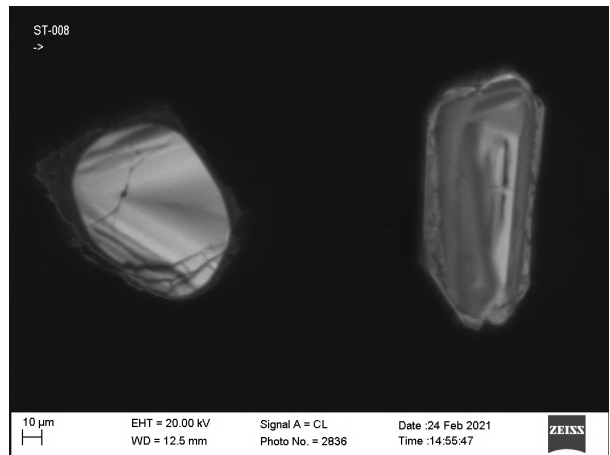
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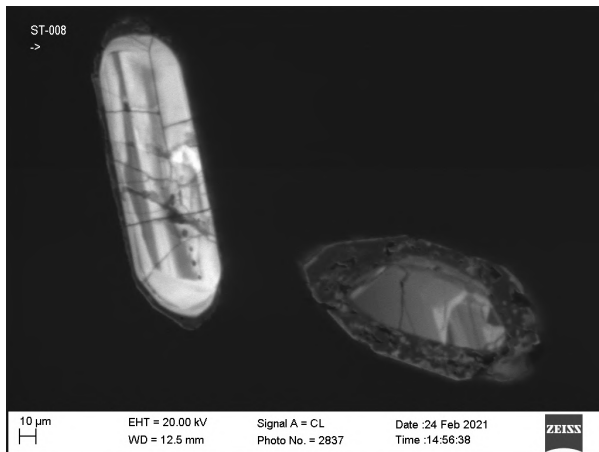
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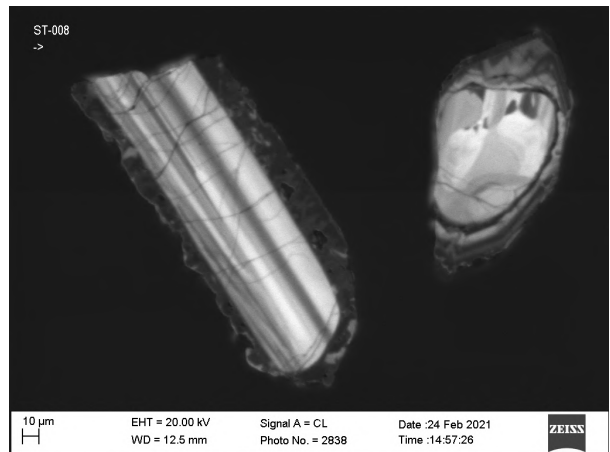
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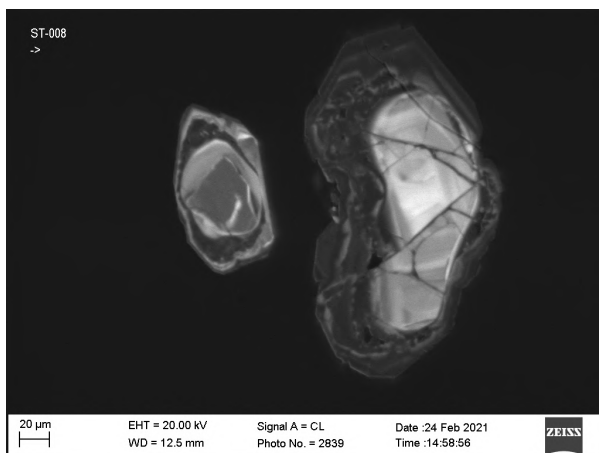
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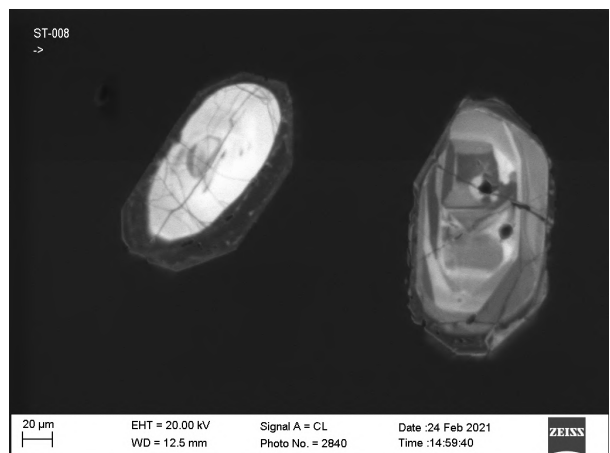
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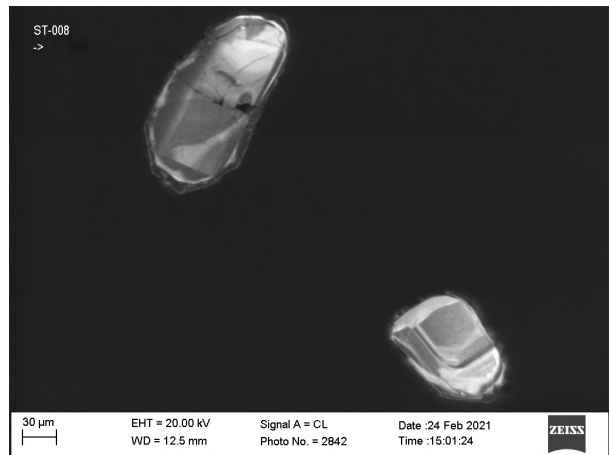
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ST-008-068-069.tif



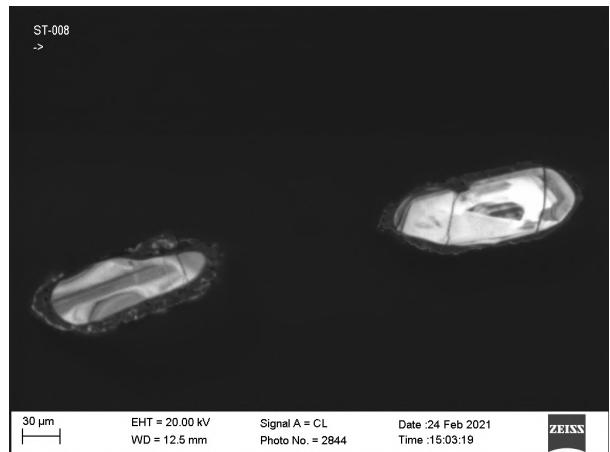
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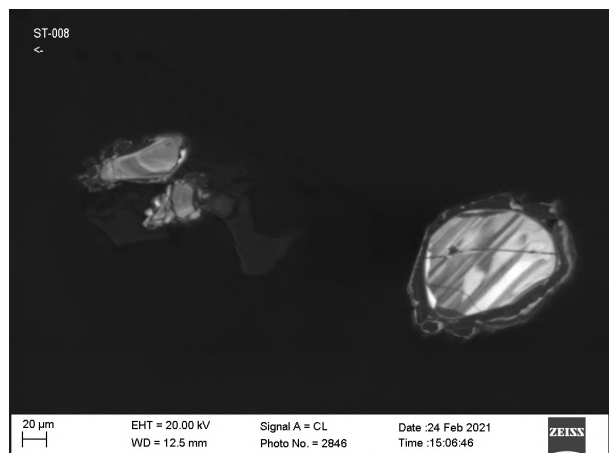
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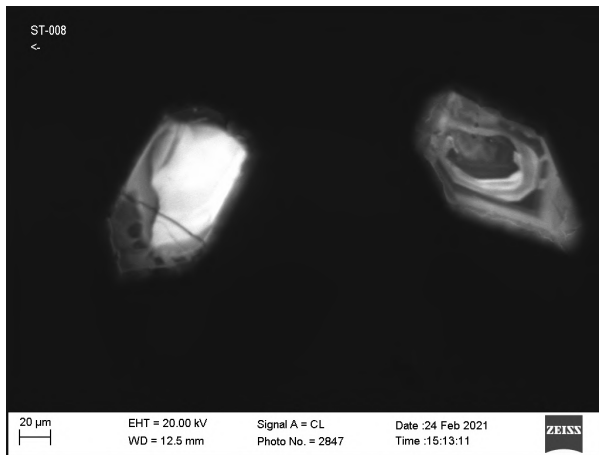
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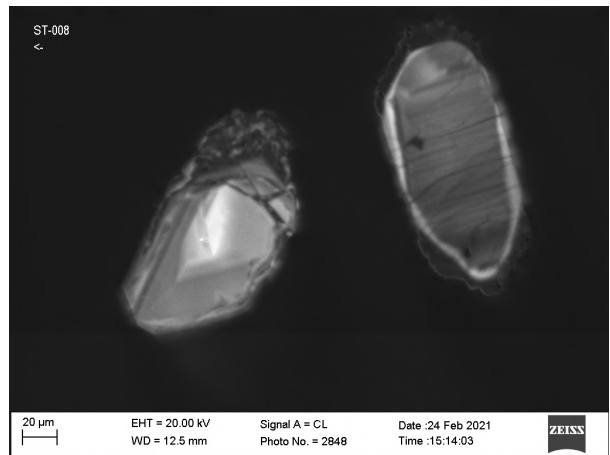
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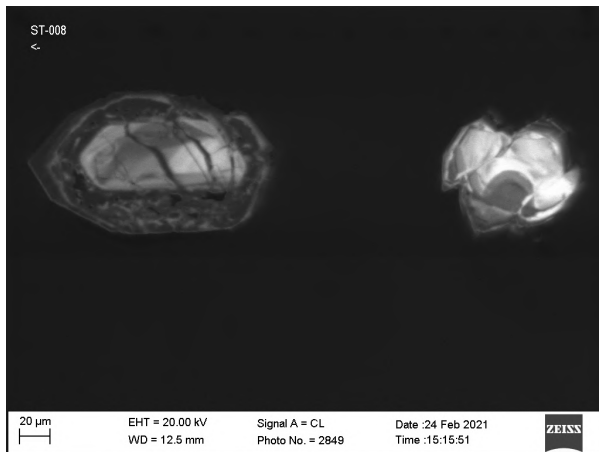
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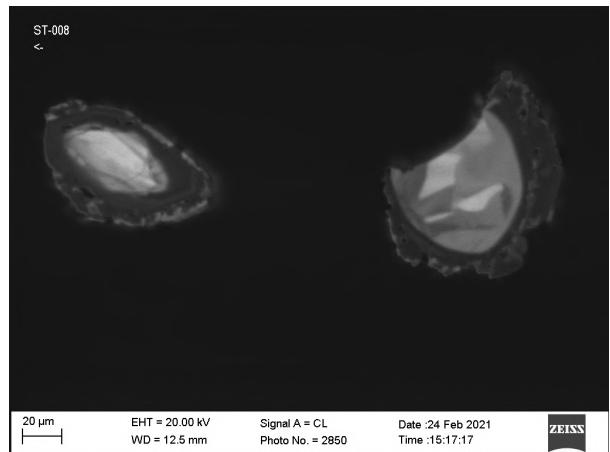
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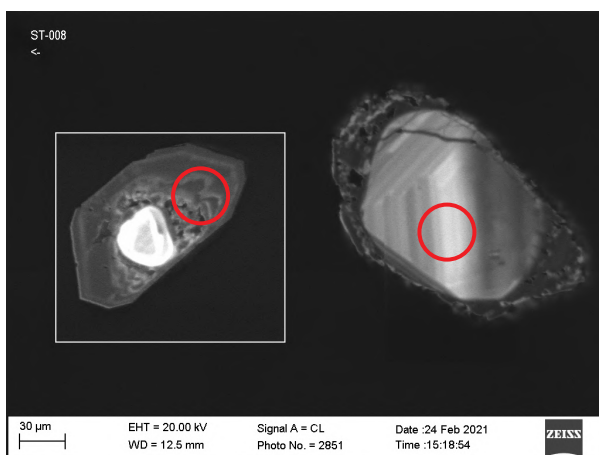
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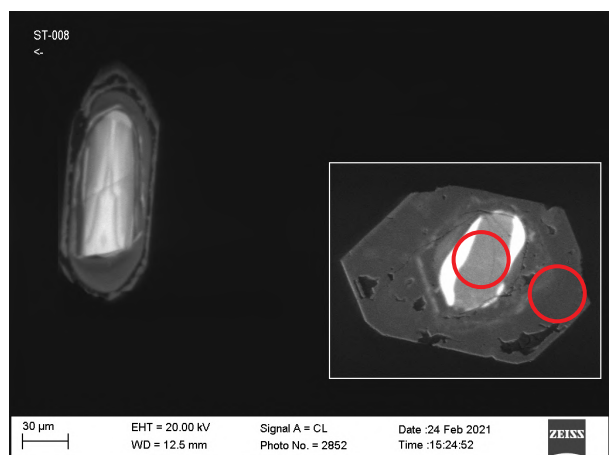
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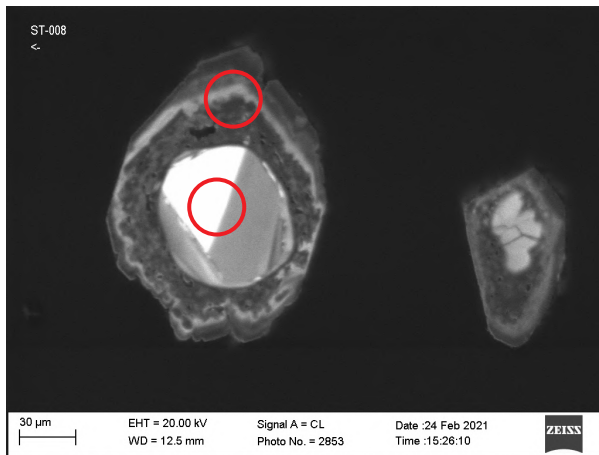
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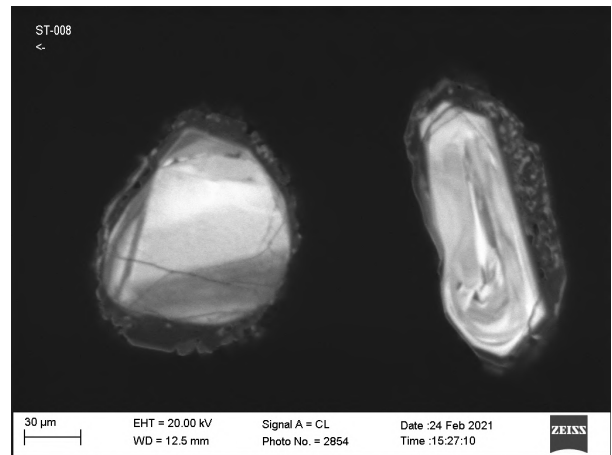
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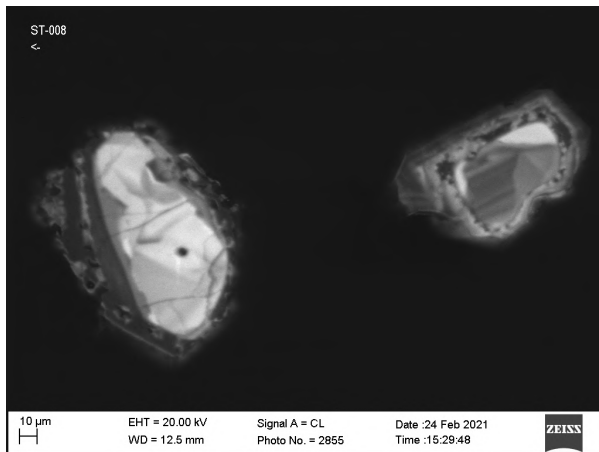
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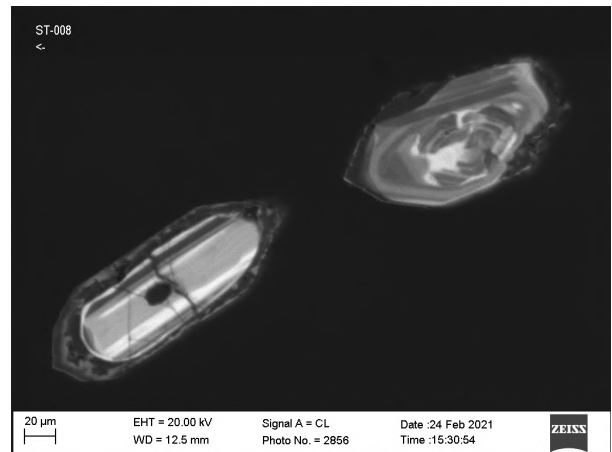
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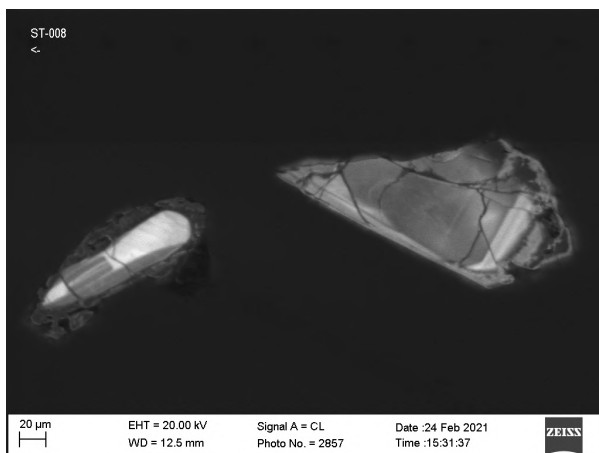
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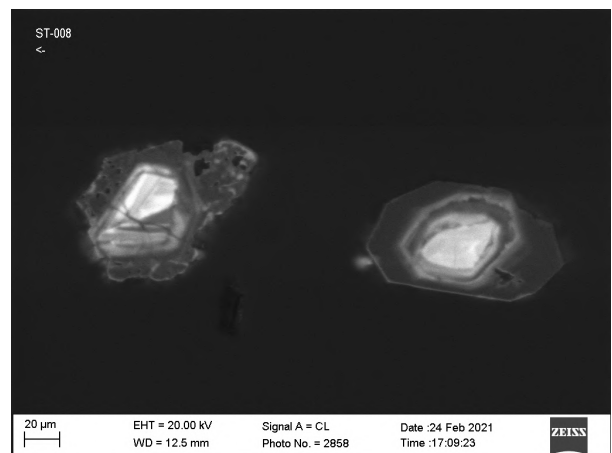
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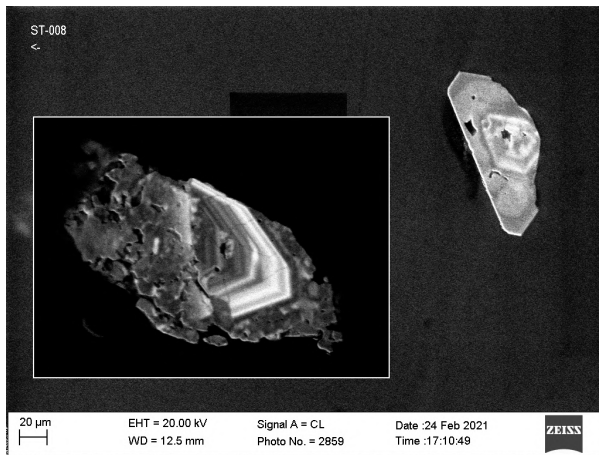
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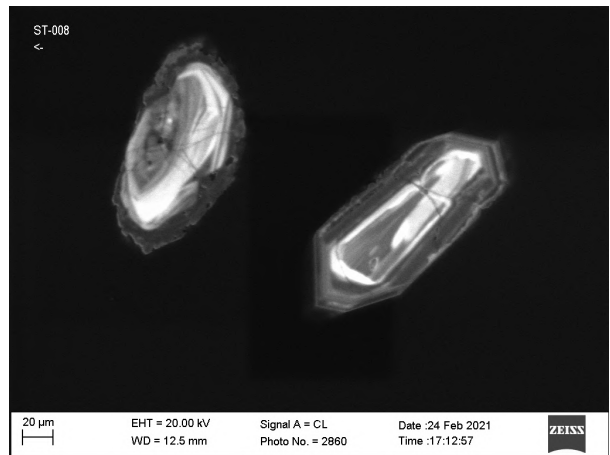
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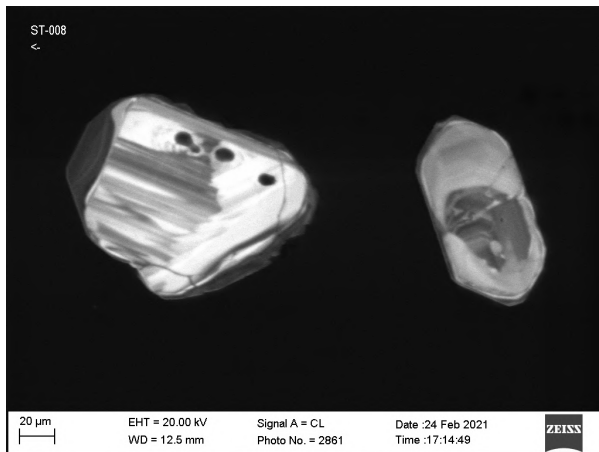
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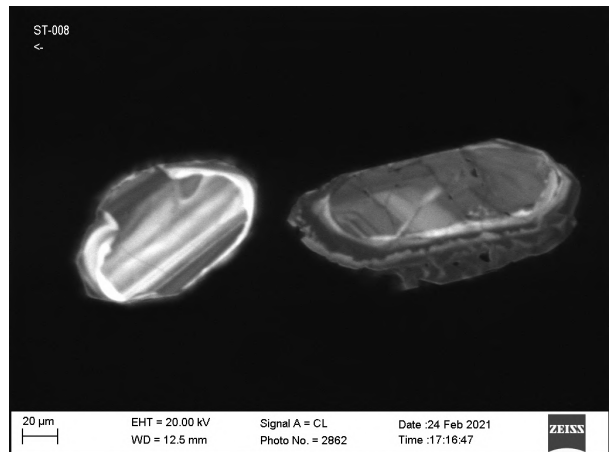
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ST-008-110-111.tif



ST-008-112-113.tif

ZIRCON MOUNTS

MT

ST-002

ST-006

ST-008

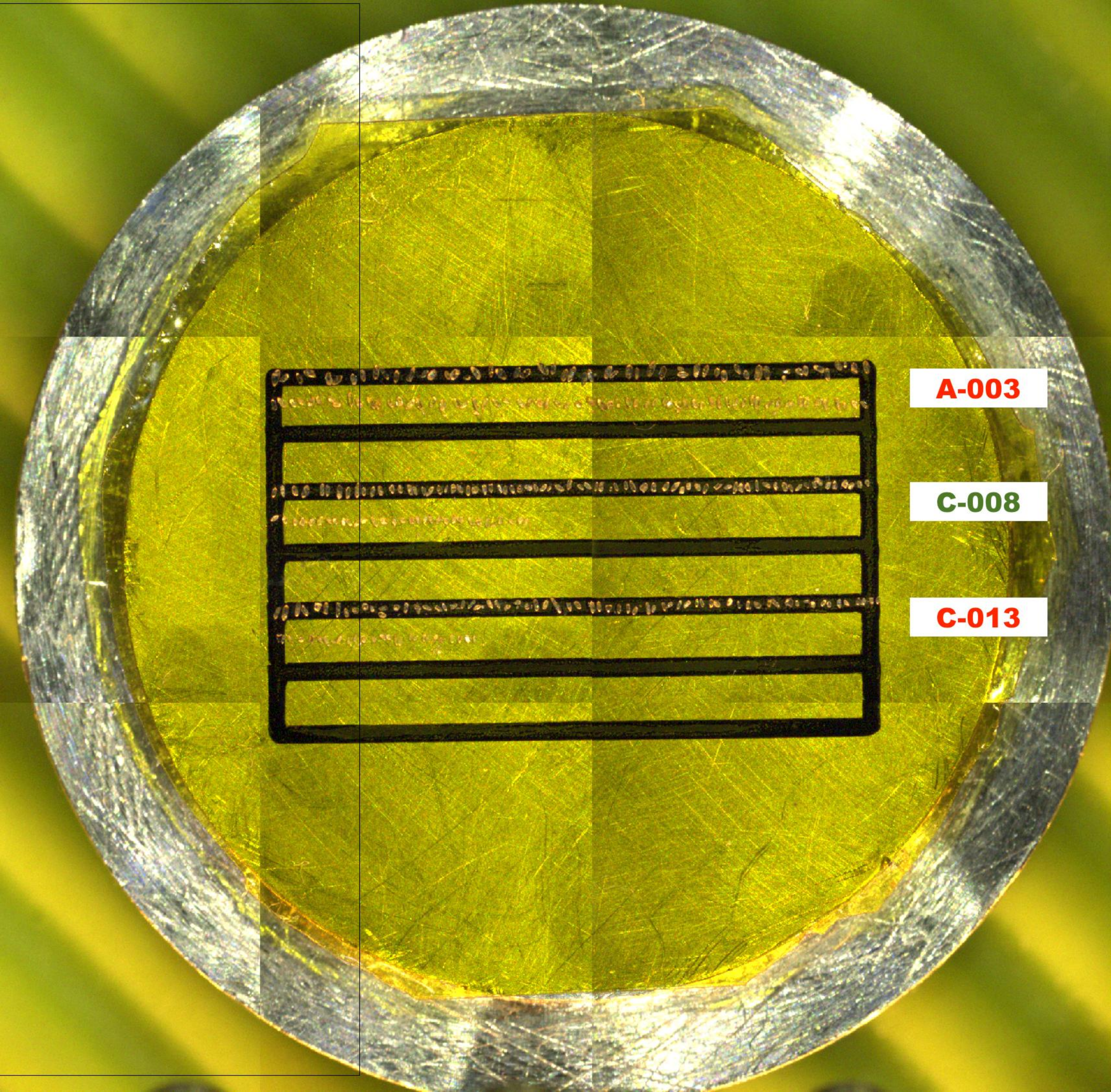
MT

MT (?)
Bill Griffin

M-004

CP-001

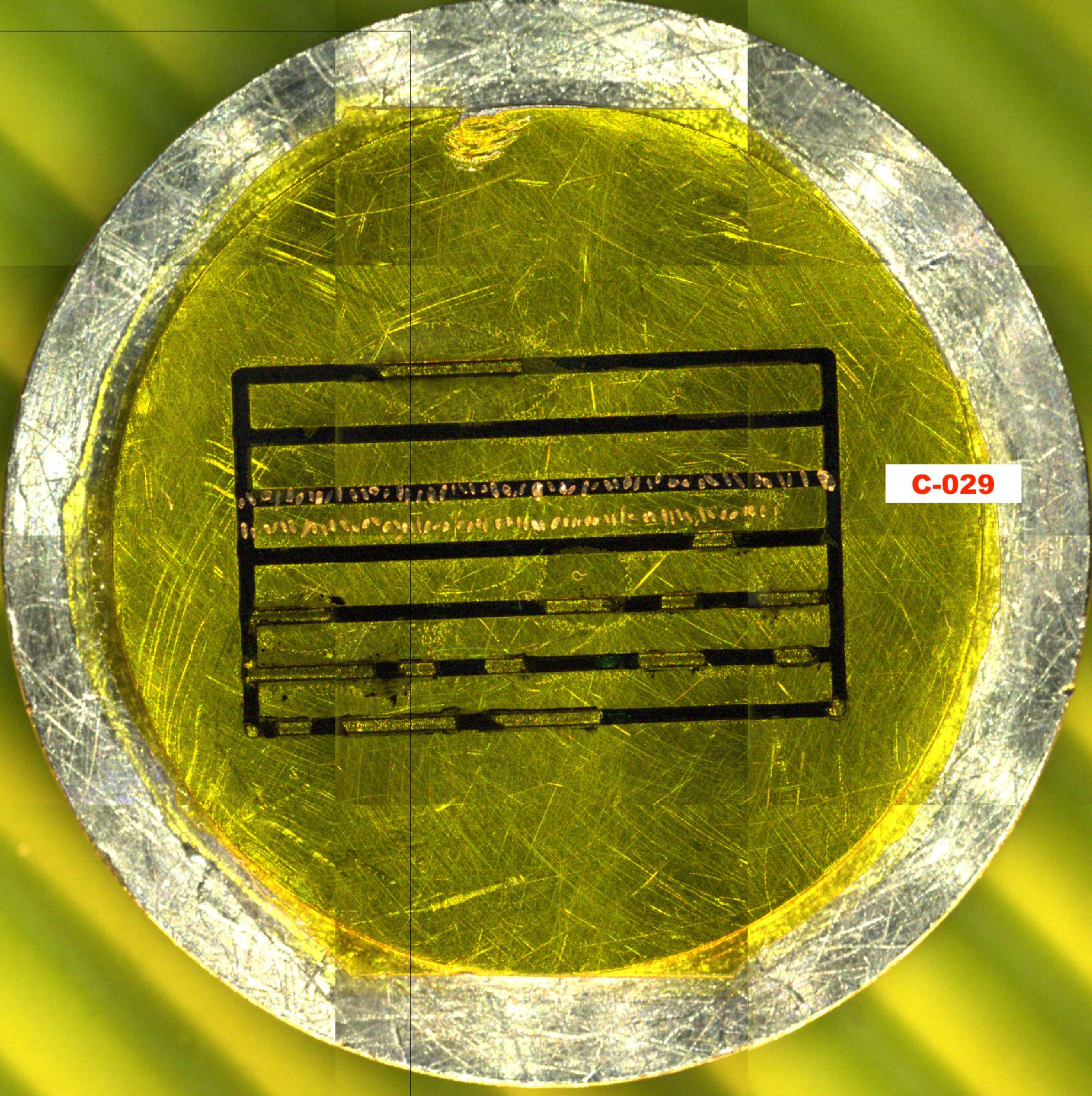
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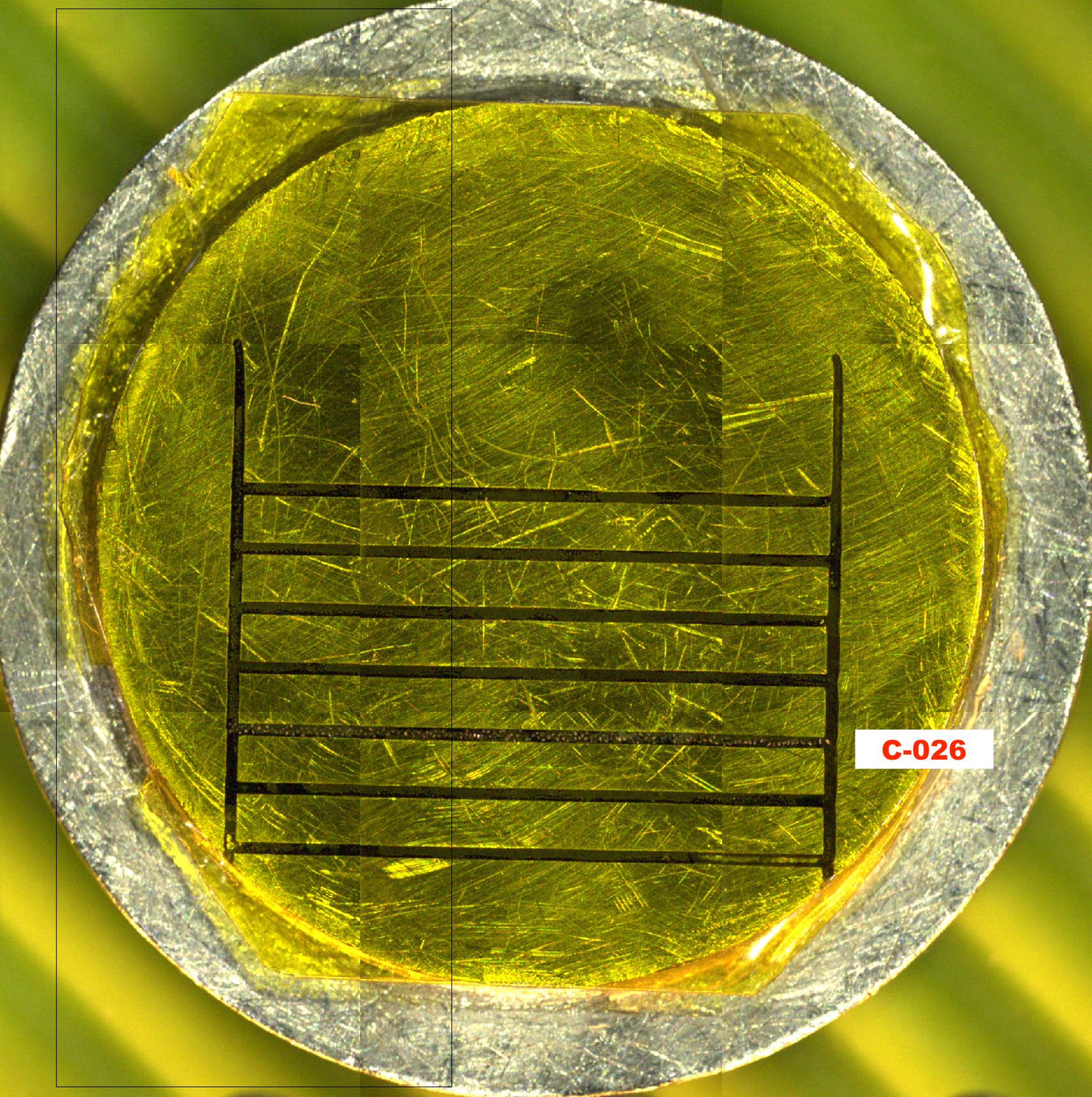
A-003

C-008

C-013



C-029



C-026