

Таблица 1.1. CL-изображения и U-Pb возраст циркона из пробы Zh-56 (Жуков овраг, триас)
Table 1.1. CL images of analysed zircon grains from the sample Zh-56 with the U-Pb LA-ICP-MS ages (Zhukov ravine section, Triassic)

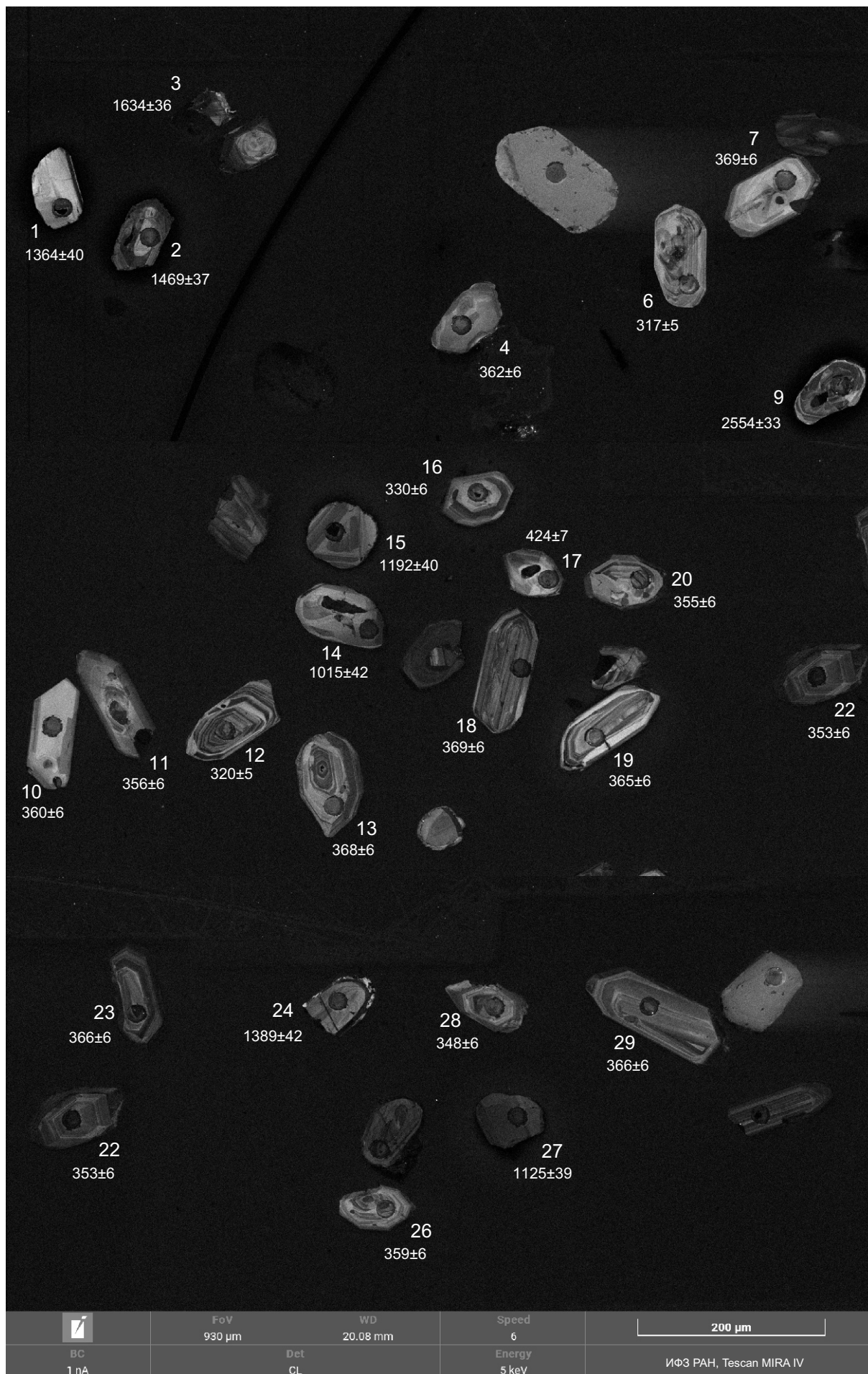


Таблица 1.1 (продолжение)
Table 1.1 (continued)

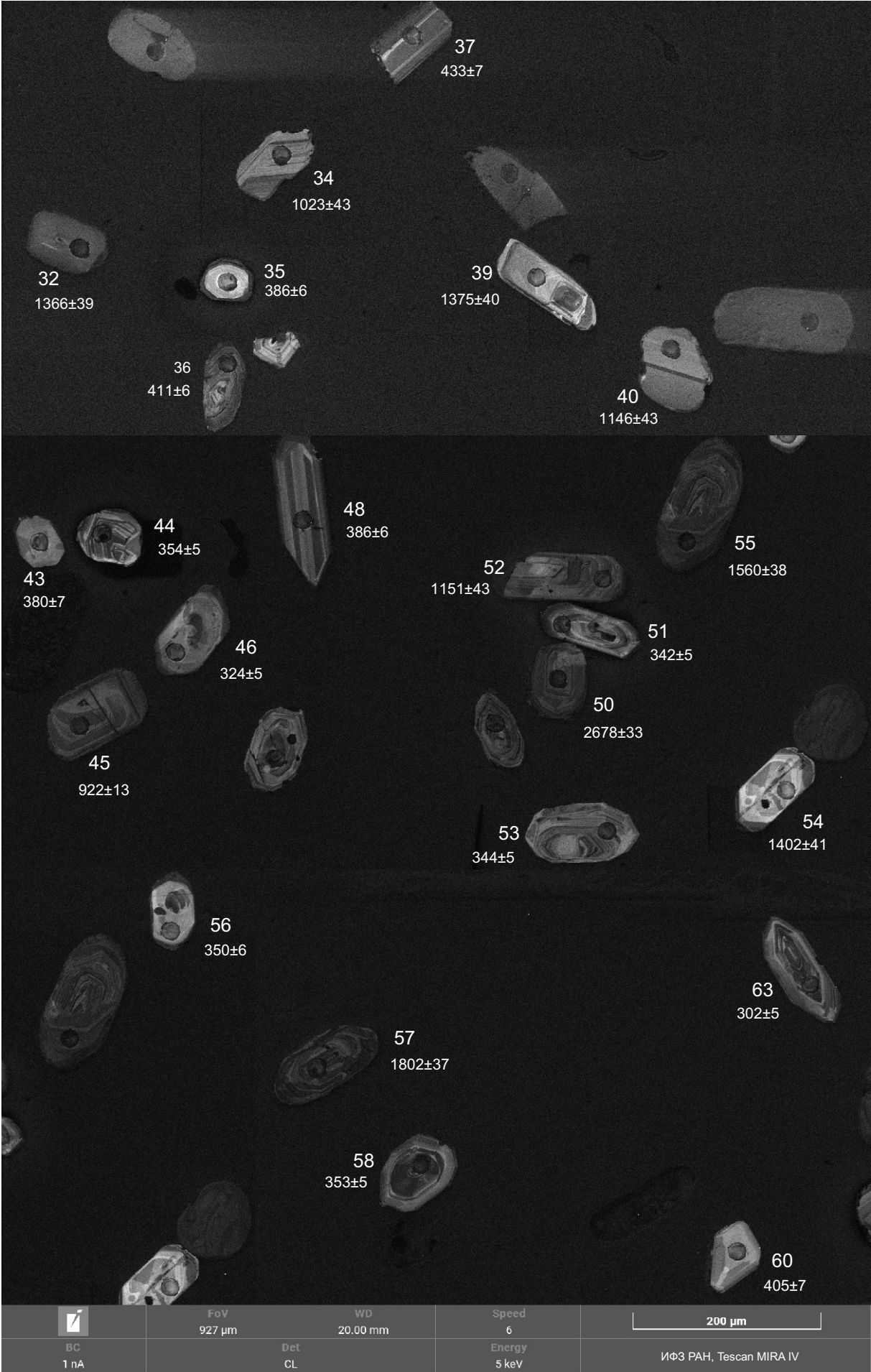


Таблица 1.1 (продолжение)
Table 1.1 (continued)

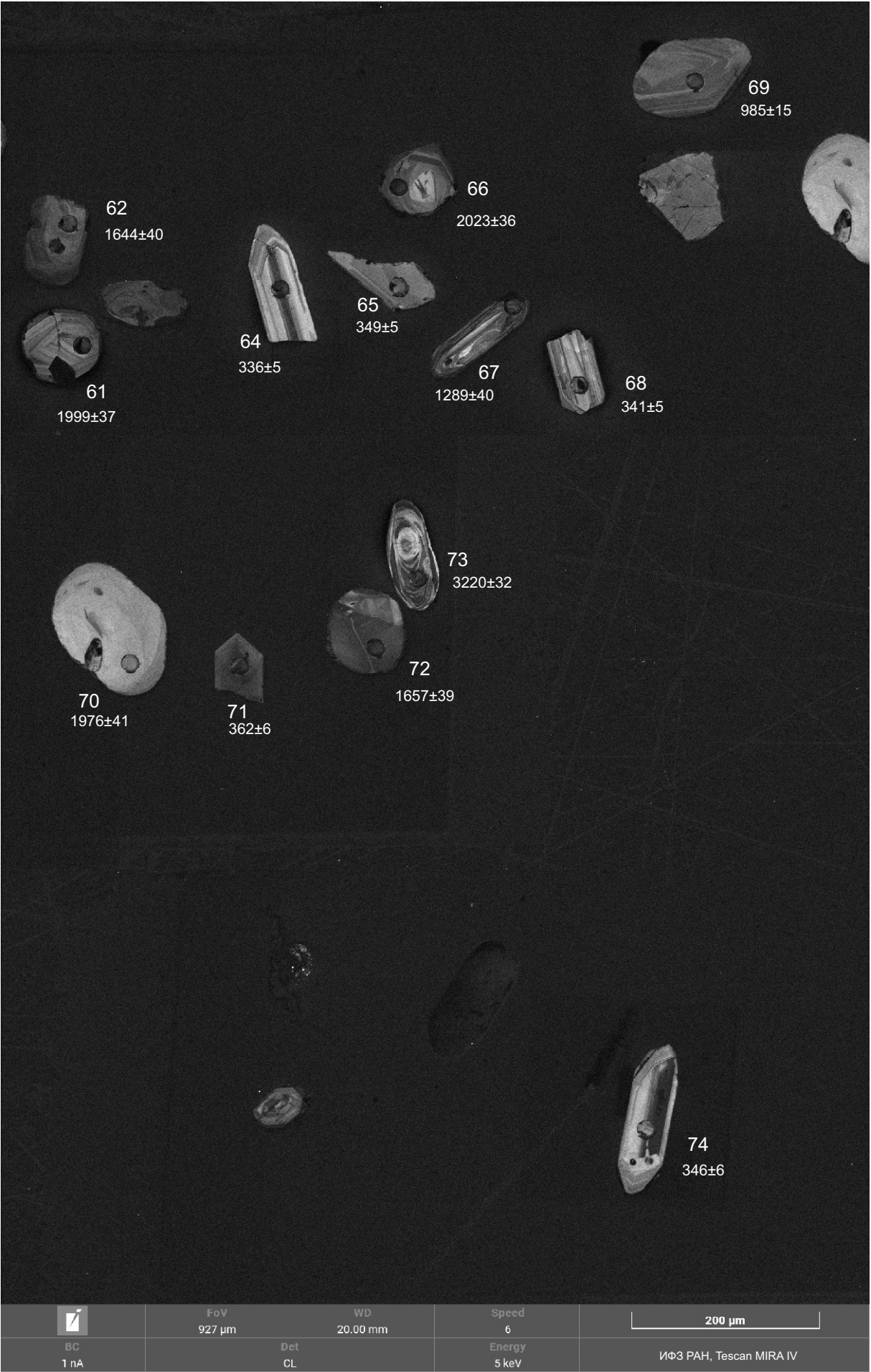


Таблица 1.2. CL-изображения и U-Pb возраст циркона из пробы Zh-4 (Жуков овраг, пермь)
Table 1.2. CL images of analysed zircon grains from the sample Zh-4 with the U-Pb LA-ICP-MS ages (Zhukov ravine section, Permian)

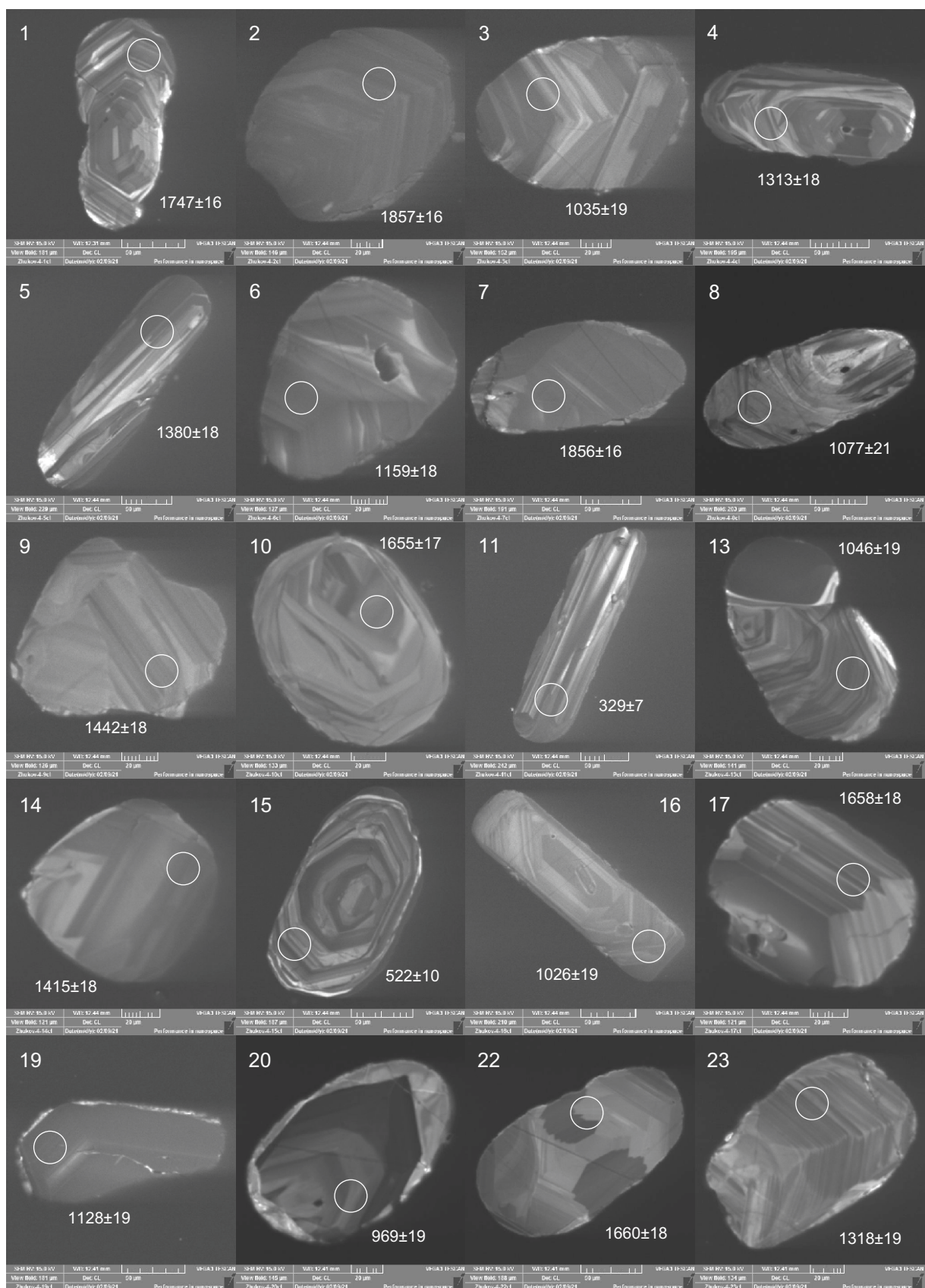


Таблица 1.2 (продолжение)
Table 1.2 (continued)

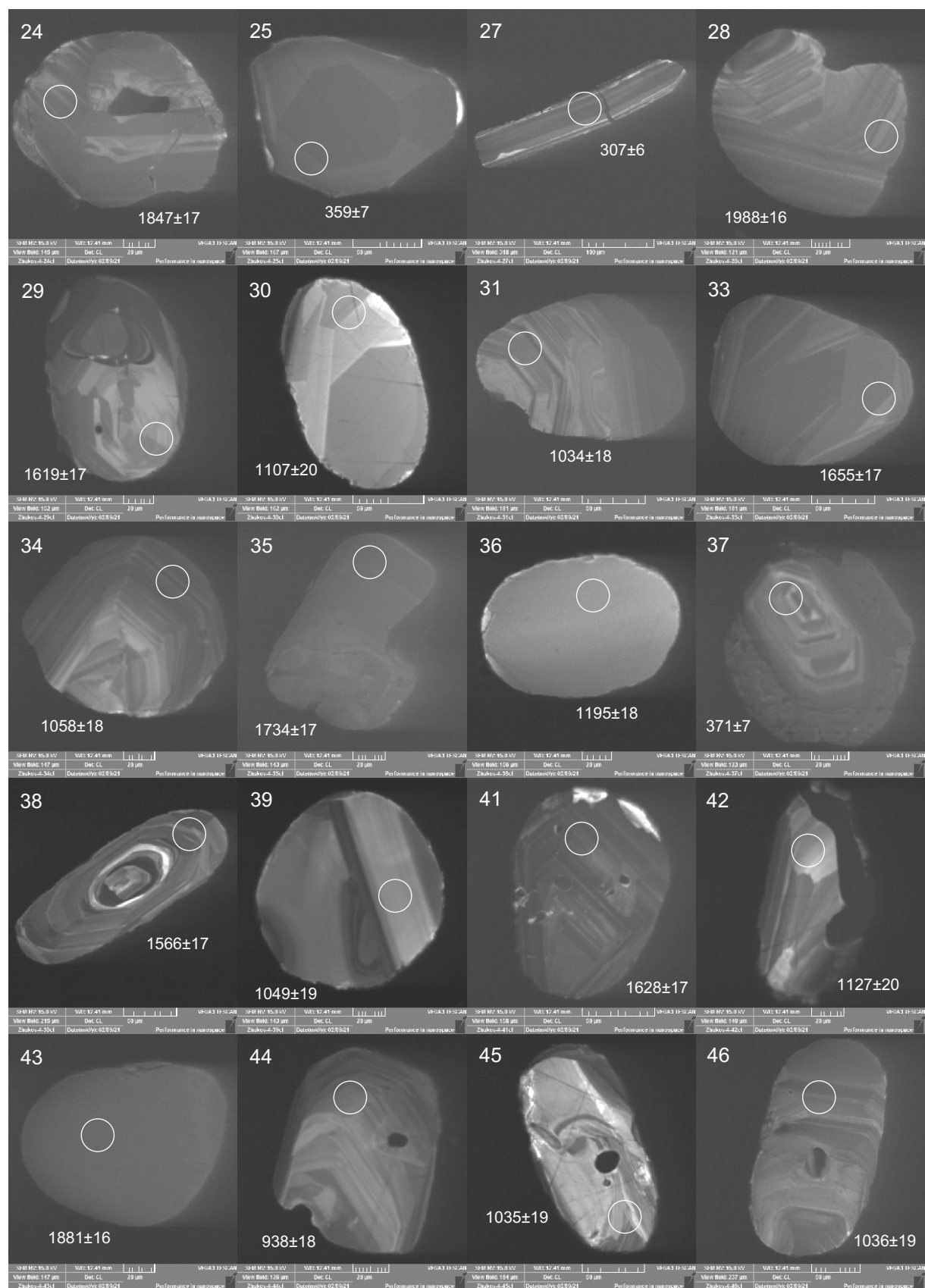


Таблица 1.2 (продолжение)
Table 1.2 (continued)

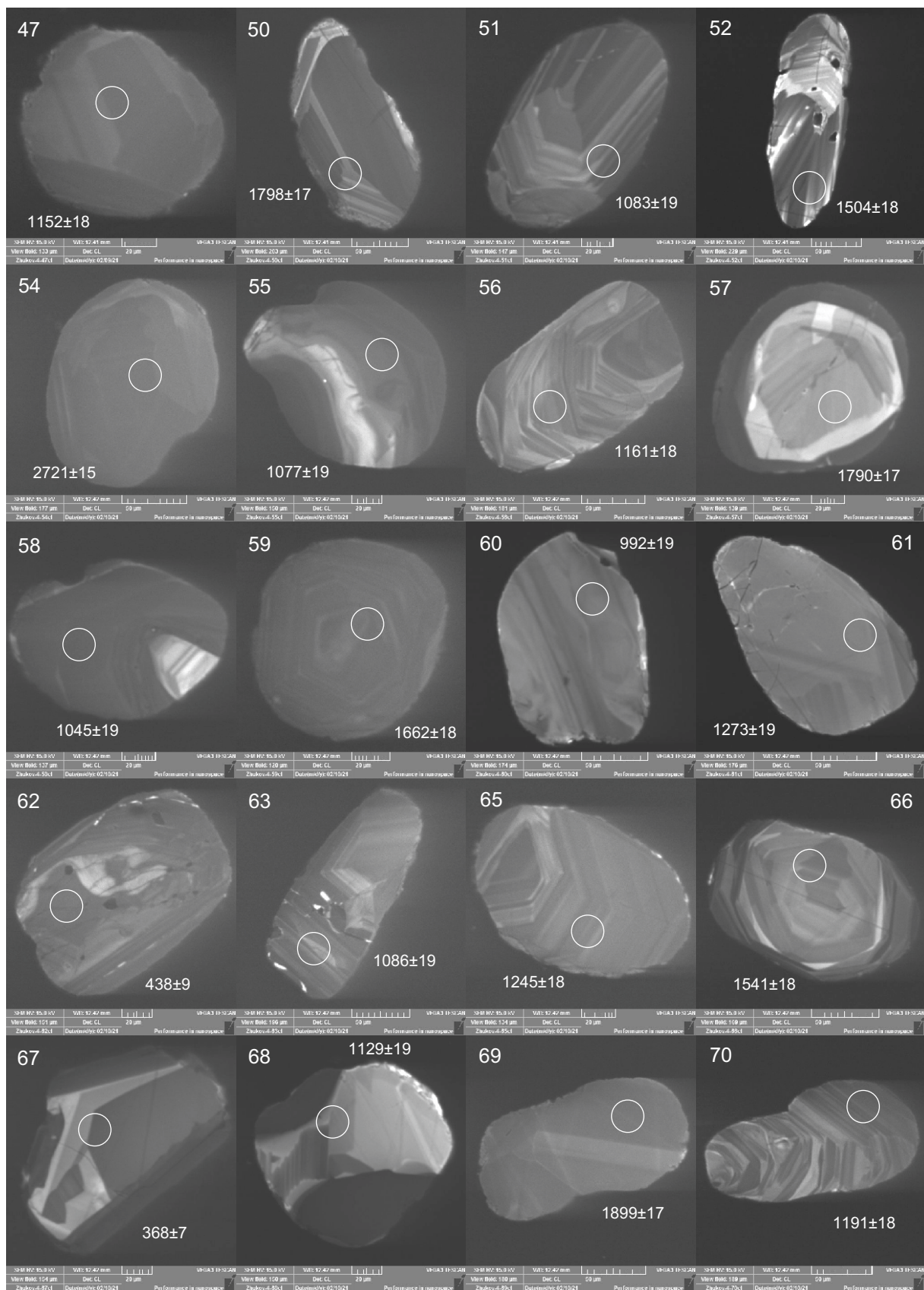


Таблица 1.2 (продолжение)
Table 1.2 (continued)

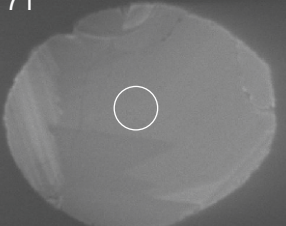
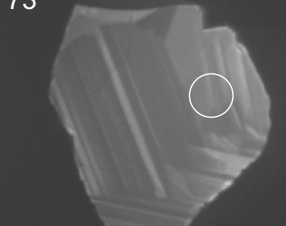
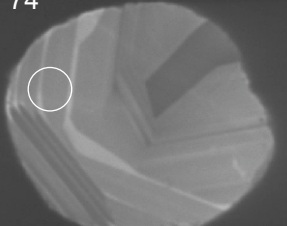
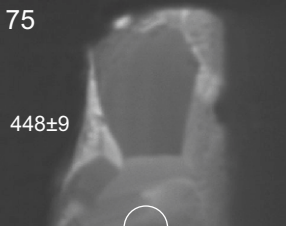
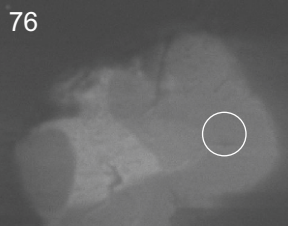
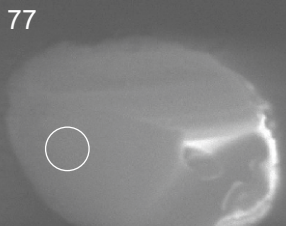
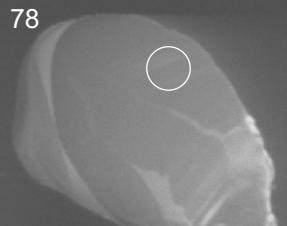
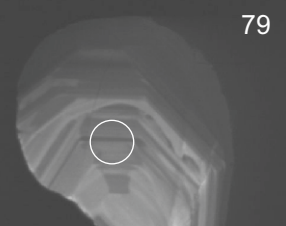
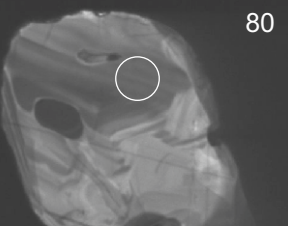
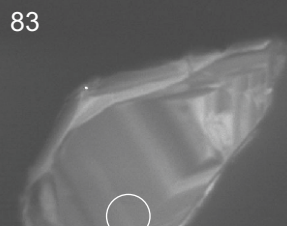
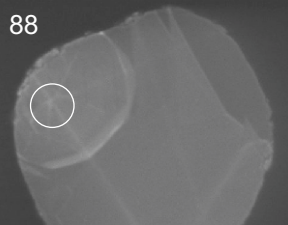
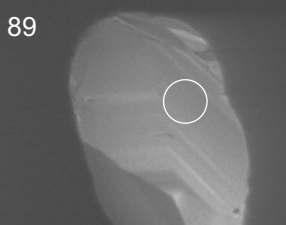
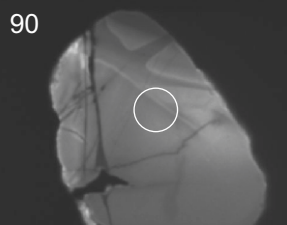
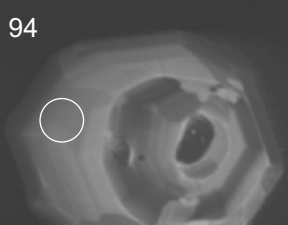
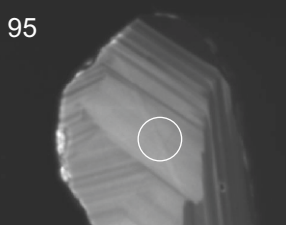
71  2716±15 SEM HV: 15.0 kV, Vals: 12.47 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	72  1474±24 SEM HV: 15.0 kV, Vals: 12.47 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	73  371±8 SEM HV: 15.0 kV, Vals: 12.47 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	74  2898±15 SEM HV: 15.0 kV, Vals: 12.47 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress
75  448±9 SEM HV: 15.0 kV, Vals: 12.47 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	76  531±11 SEM HV: 15.0 kV, Vals: 12.47 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	77  975±19 SEM HV: 15.0 kV, Vals: 12.47 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	78  1596±17 SEM HV: 15.0 kV, Vals: 12.47 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress
79  1179±18 SEM HV: 15.0 kV, Vals: 12.54 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	80  1103±18 SEM HV: 15.0 kV, Vals: 12.54 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	81  1047±18 SEM HV: 15.0 kV, Vals: 12.54 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	83  365±7 SEM HV: 15.0 kV, Vals: 12.46 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress
85  1040±18 SEM HV: 15.0 kV, Vals: 12.46 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	88  1884±16 SEM HV: 15.0 kV, Vals: 12.46 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	89  1666±16 SEM HV: 15.0 kV, Vals: 12.46 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	90  1218±21 SEM HV: 15.0 kV, Vals: 12.46 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress
93  1717±16 SEM HV: 15.0 kV, Vals: 12.46 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	94  365±7 SEM HV: 15.0 kV, Vals: 12.50 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	95  1065±19 SEM HV: 15.0 kV, Vals: 12.50 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress	96  1023±18 SEM HV: 15.0 kV, Vals: 12.46 mm, Dec: CL, 20 µm, View Rate: 110 µm, Z-depth: 4.75 µm, Outlines: 02/10/21, Performance: in progress

Таблица 1.2 (продолжение)
Table 1.2 (continued)

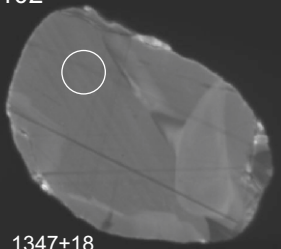
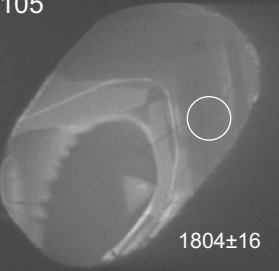
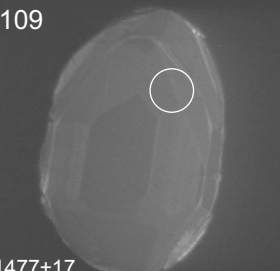
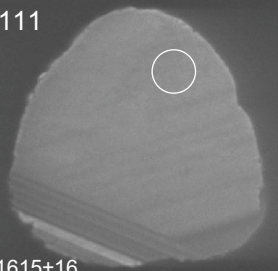
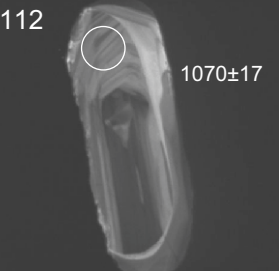
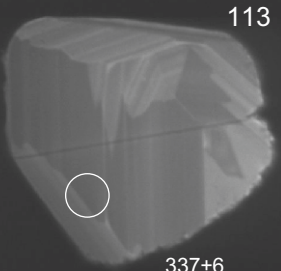
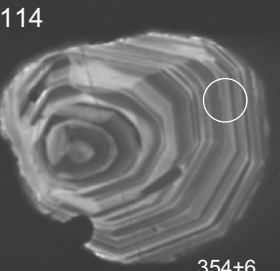
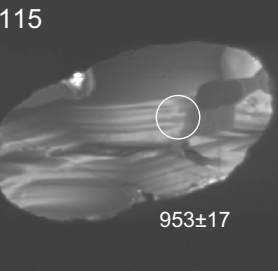
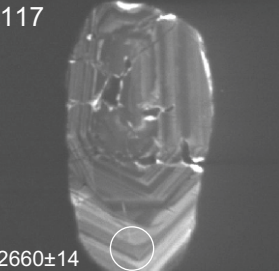
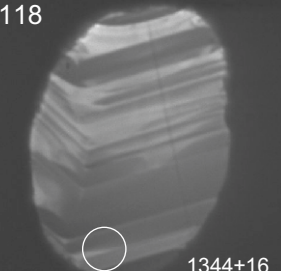
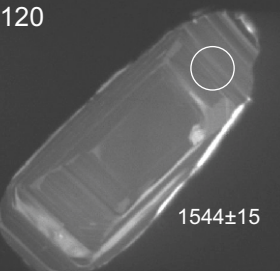
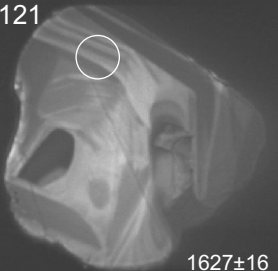
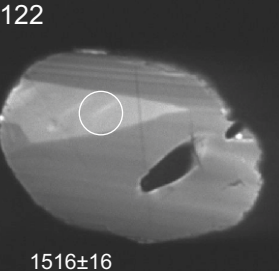
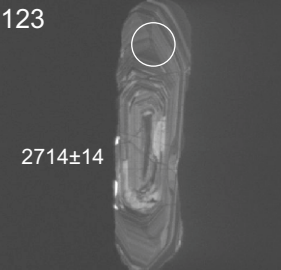
102  1347±18 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 103 μm Desc: CL 50 μm Zinkov: 4:105:1 Date: 9/15/21 Performance: in progress	103  1186±18 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 217 μm Desc: CL 50 μm Zinkov: 4:105:1 Date: 9/15/21 Performance: in progress	104  1014±18 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 116 μm Desc: CL 50 μm Zinkov: 4:104:1 Date: 9/15/21 Performance: in progress	105  1804±16 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 114 μm Desc: CL 50 μm Zinkov: 4:105:1 Date: 9/15/21 Performance: in progress
106  1620±16 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 104 μm Desc: CL 50 μm Zinkov: 4:106:1 Date: 9/11/21 Performance: in progress	109  1477±17 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 102 μm Desc: CL 50 μm Zinkov: 4:109:1 Date: 9/11/21 Performance: in progress	111  1615±16 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 111 μm Desc: CL 50 μm Zinkov: 4:111:1 Date: 9/11/21 Performance: in progress	112  1070±17 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 221 μm Desc: CL 50 μm Zinkov: 4:112:1 Date: 9/11/21 Performance: in progress
113  337±6 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 141 μm Desc: CL 50 μm Zinkov: 4:113:1 Date: 9/11/21 Performance: in progress	114  354±6 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 128 μm Desc: CL 50 μm Zinkov: 4:114:1 Date: 9/11/21 Performance: in progress	115  953±17 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 112 μm Desc: CL 50 μm Zinkov: 4:115:1 Date: 9/11/21 Performance: in progress	117  2660±14 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 114 μm Desc: CL 50 μm Zinkov: 4:117:1 Date: 9/11/21 Performance: in progress
118  1344±16 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 110 μm Desc: CL 50 μm Zinkov: 4:118:1 Date: 9/11/21 Performance: in progress	120  1544±15 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 122 μm Desc: CL 50 μm Zinkov: 4:120:1 Date: 9/11/21 Performance: in progress	121  1627±16 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 114 μm Desc: CL 50 μm Zinkov: 4:121:1 Date: 9/11/21 Performance: in progress	122  1516±16 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 128 μm Desc: CL 50 μm Zinkov: 4:122:1 Date: 9/11/21 Performance: in progress
123  2714±14 SPM HV: 15.0 kV Vals: 17.5/1 mm VPKA3 IF: 50.0 μm View: B046: 200 μm Desc: CL 50 μm Zinkov: 4:123:1 Date: 9/11/21 Performance: in progress			

Таблица 1.3. CL-изображения и U-Pb возраст циркона из пробы Zh-123 (Жуков овраг, пермь)
Table 1.3. CL images of analysed zircon grains from the sample Zh-123 with the U-Pb LA-ICP-MS ages (Zhukov ravine section, Permian)

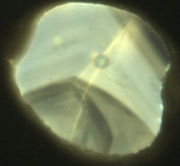
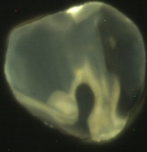
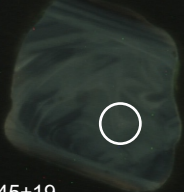
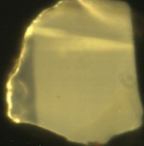
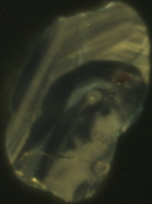
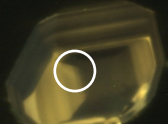
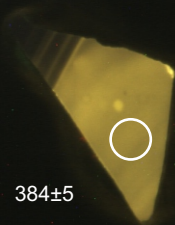
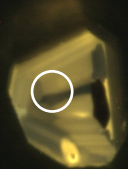
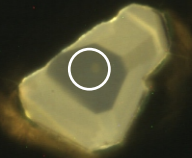
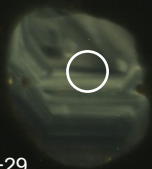
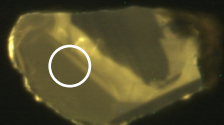
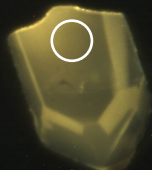
1 	2  1810±27	3 
4  379±4	5  1145±19	6 
7  995±22	8 	9 
10  340±4	11  384±5	12  388±6
13  1065±23	14  367±5	15  1470±29
16  390±6	17  364±10	

Таблица 1.3 (продолжение)
Table 1.3 (continued)

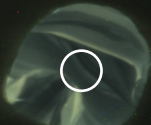
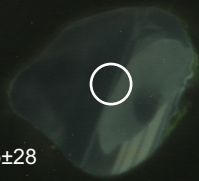
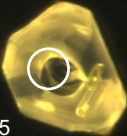
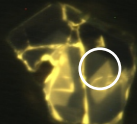
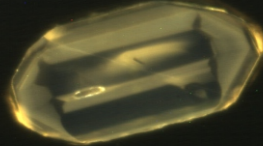
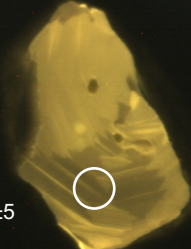
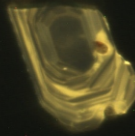
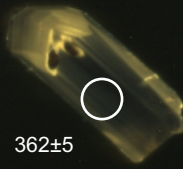
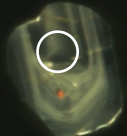
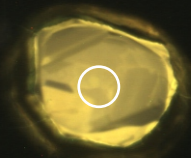
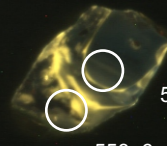
18  1695±35	19  1925±28	20  388±6
21  367±5	22  370±5	23  967±10
24  452±7	25  	26  359±5
27  368±5	28  	29  1050±27
30  362±5	31  970±21	32  1950±20
33  	34  395±7	35  589±7 558±6
36  1495±22		

Таблица 1.3 (продолжение)
Table 1.3 (continued)

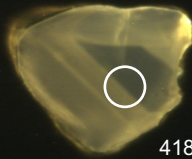
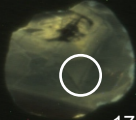
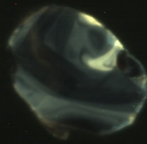
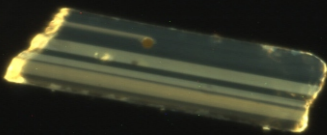
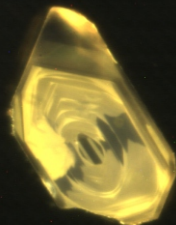
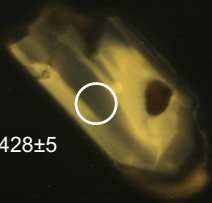
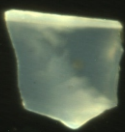
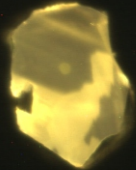
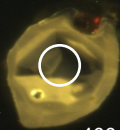
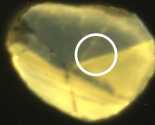
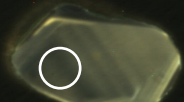
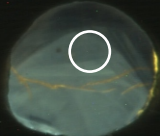
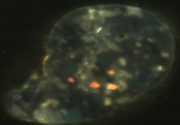
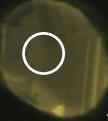
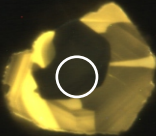
37  418±5	38  1740±27	39 
40  1915±26	41 	42 
43 	44  428±5	45 
46 	47 	48  400±6
49  1720±20	50  1600±19	51  2625±20
52 	53  1135±21	54  358±5
55  1960±19	56  388±5	

Таблица 1.3 (продолжение)
Table 1.3 (continued)

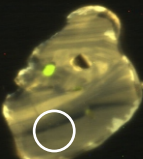
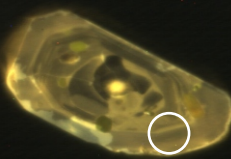
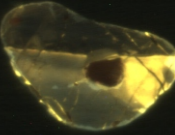
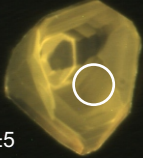
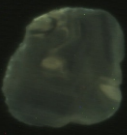
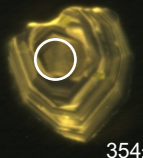
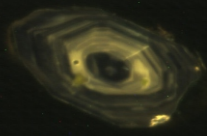
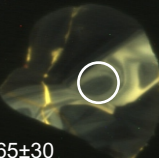
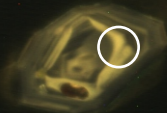
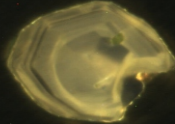
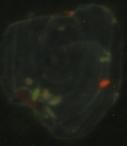
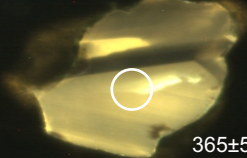
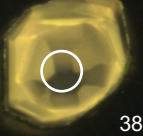
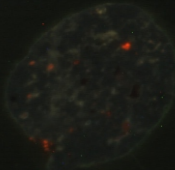
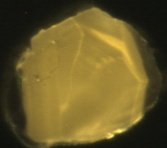
57  1825±16	58  1935±19	59  379±5
60 	61  1460±16	62  365±5
63  580±6	64 	65  2050±18
66  354±5	67  1995±21	68 
69  965±30	70  404±6	71 
72 	73 	74  365±5
75  386±9	76 	77 

Таблица 1.3 (продолжение)
Table 1.3 (continued)

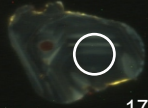
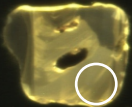
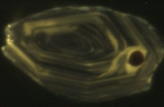
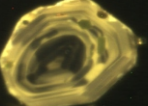
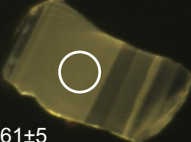
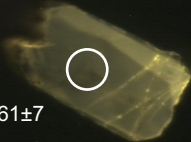
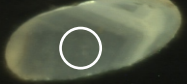
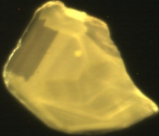
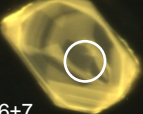
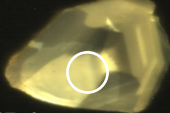
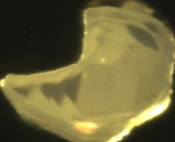
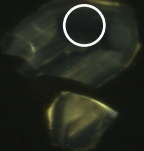
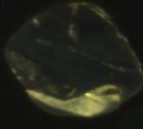
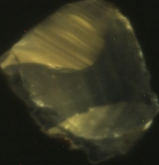
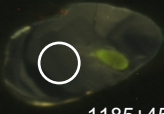
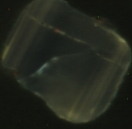
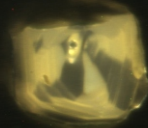
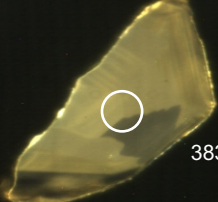
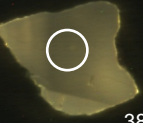
78  1705±18	79  1725±33	80 
81 	82  361±5	83  361±7
84  1135±50	85 	86  356±7
87  332±4	88  347±6	89 
90  438±6	91 	92 
93 	94  1185±45	95 
96 	97  383±10	98  2635±22
99  380±10		

Таблица 1.3 (продолжение)
Table 1.3 (continued)

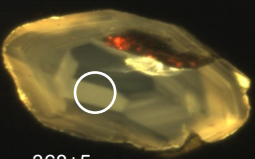
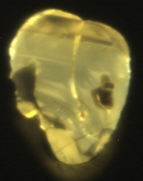
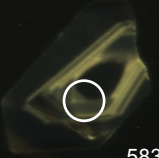
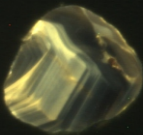
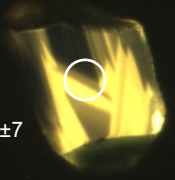
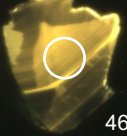
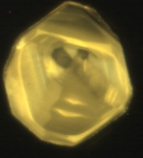
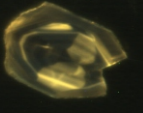
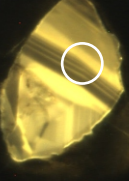
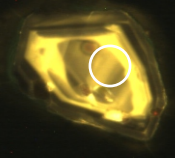
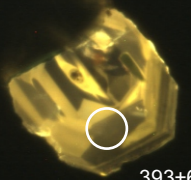
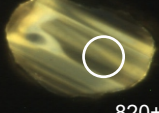
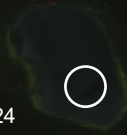
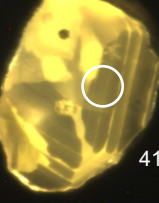
100  359±7	101  368±5	102 
103  583±6	104 	105  343±7
106  469±6	107 	108 
109  367±5	110  436±6	111  397±5
112  393±6	113  1890±20	114  820±63
115  1960±18	116  913±58	117  1175±24
118  940±42	119  419±10	

Таблица 1.3 (продолжение)
Table 1.3 (continued)

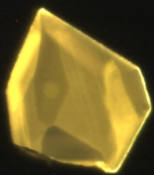
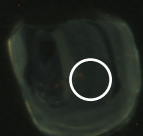
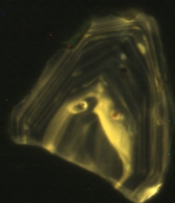
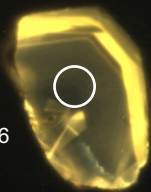
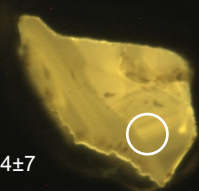
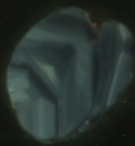
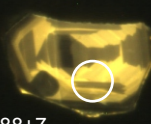
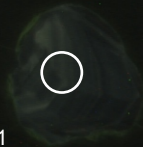
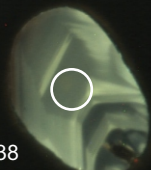
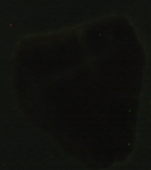
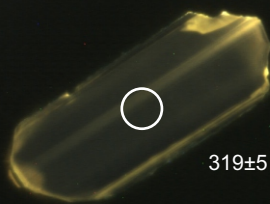
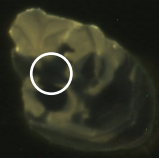
120 	121  2695±40	122  2595±21
123 	124  1285±25	125 
126  995±64	127  435±6	128  364±7
129 	130  388±7	131  1690±21
132  1405±38	133  1700±32	
135  319±5	136  1575±24	

Таблица 1.4. CL-изображения и U-Pb возраст циркона из пробы Zh-11 (Жуков овраг, пермь)
Table 1.4. CL images of analysed zircon grains from the sample Zh-11 with the U-Pb LA-ICP-MS ages (Zhukov ravine section, Permian)

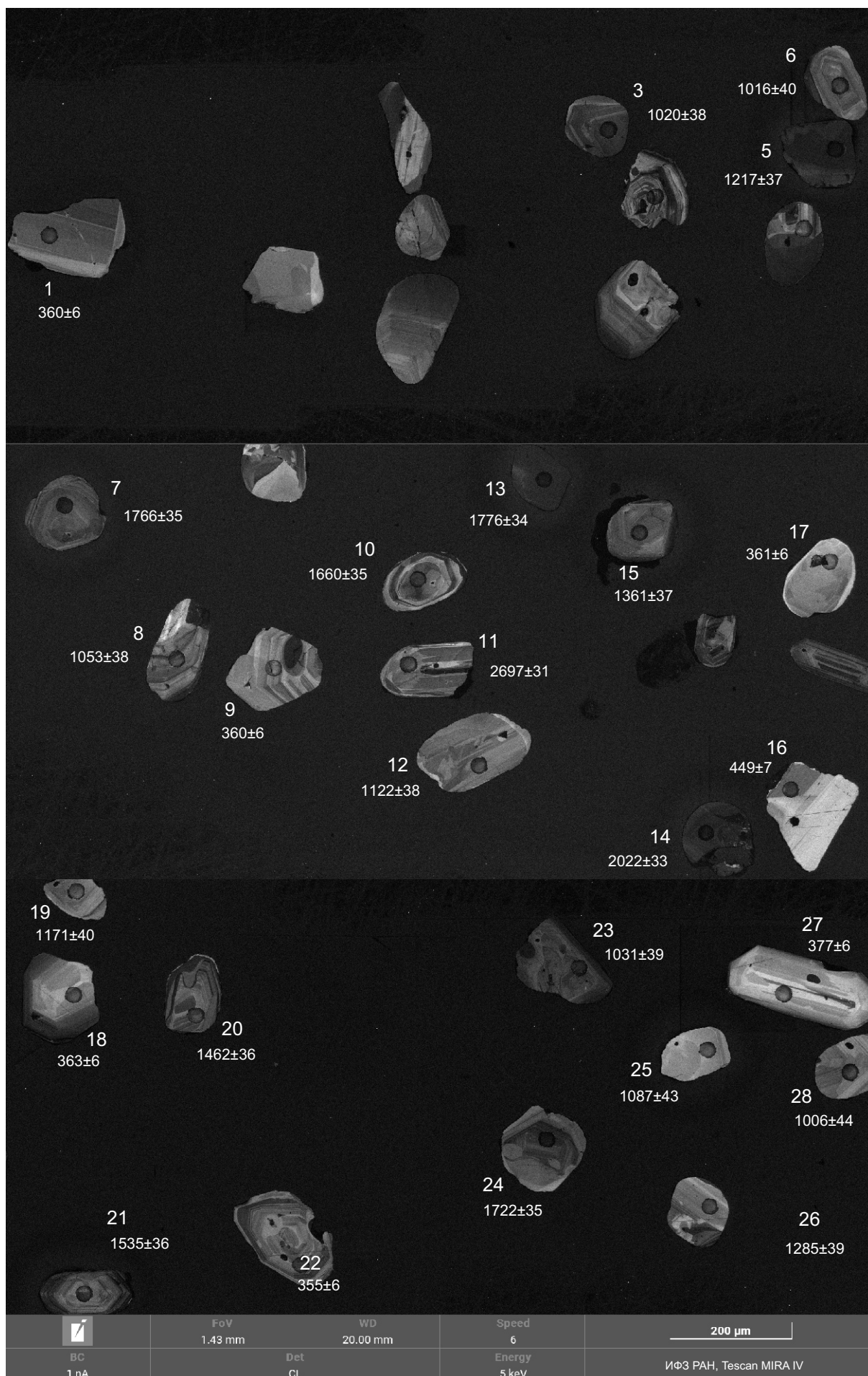


Таблица 1.4 (продолжение)
Table 1.4 (continued)

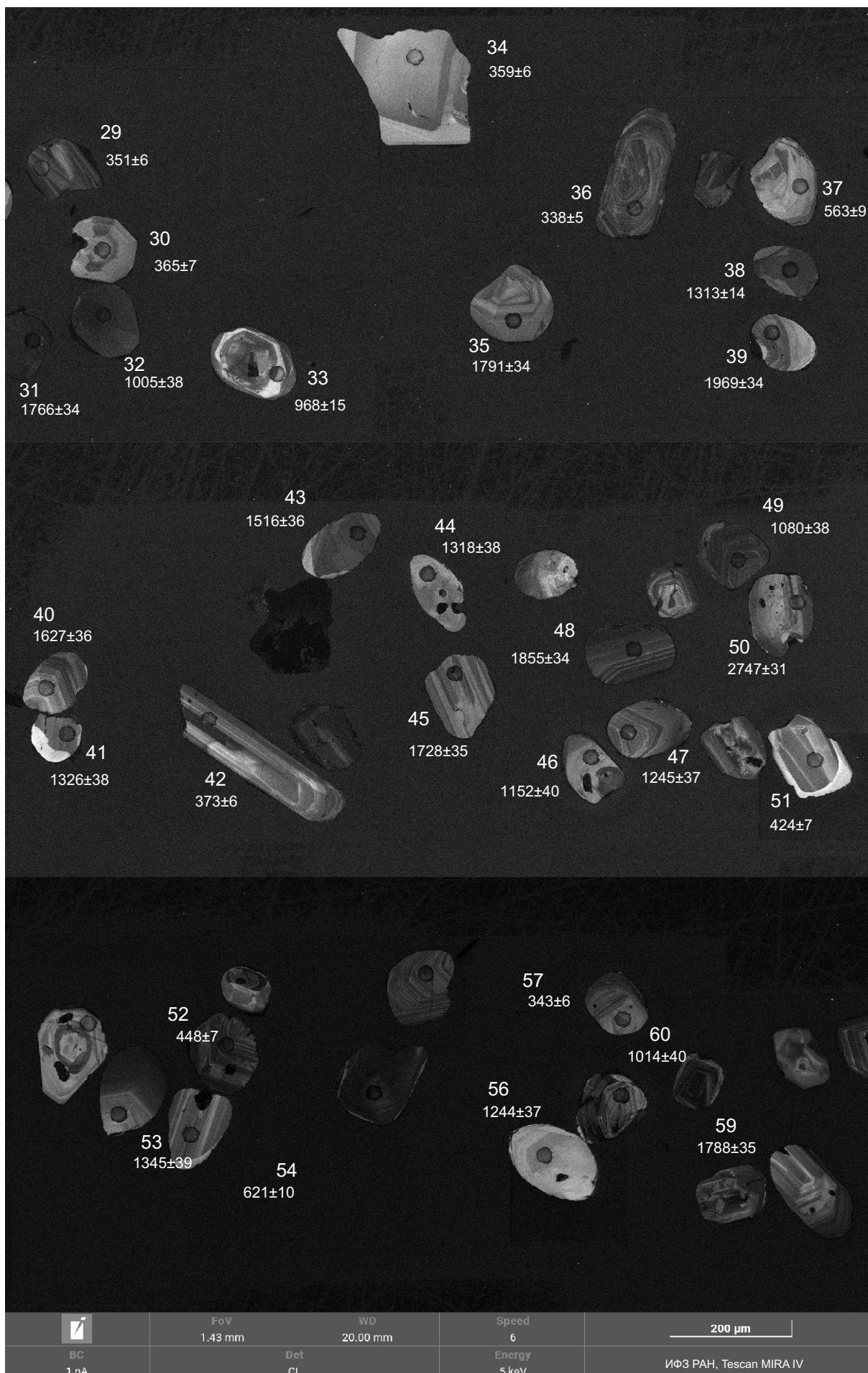


Таблица 1.4 (продолжение)
Table 1.4 (continued)

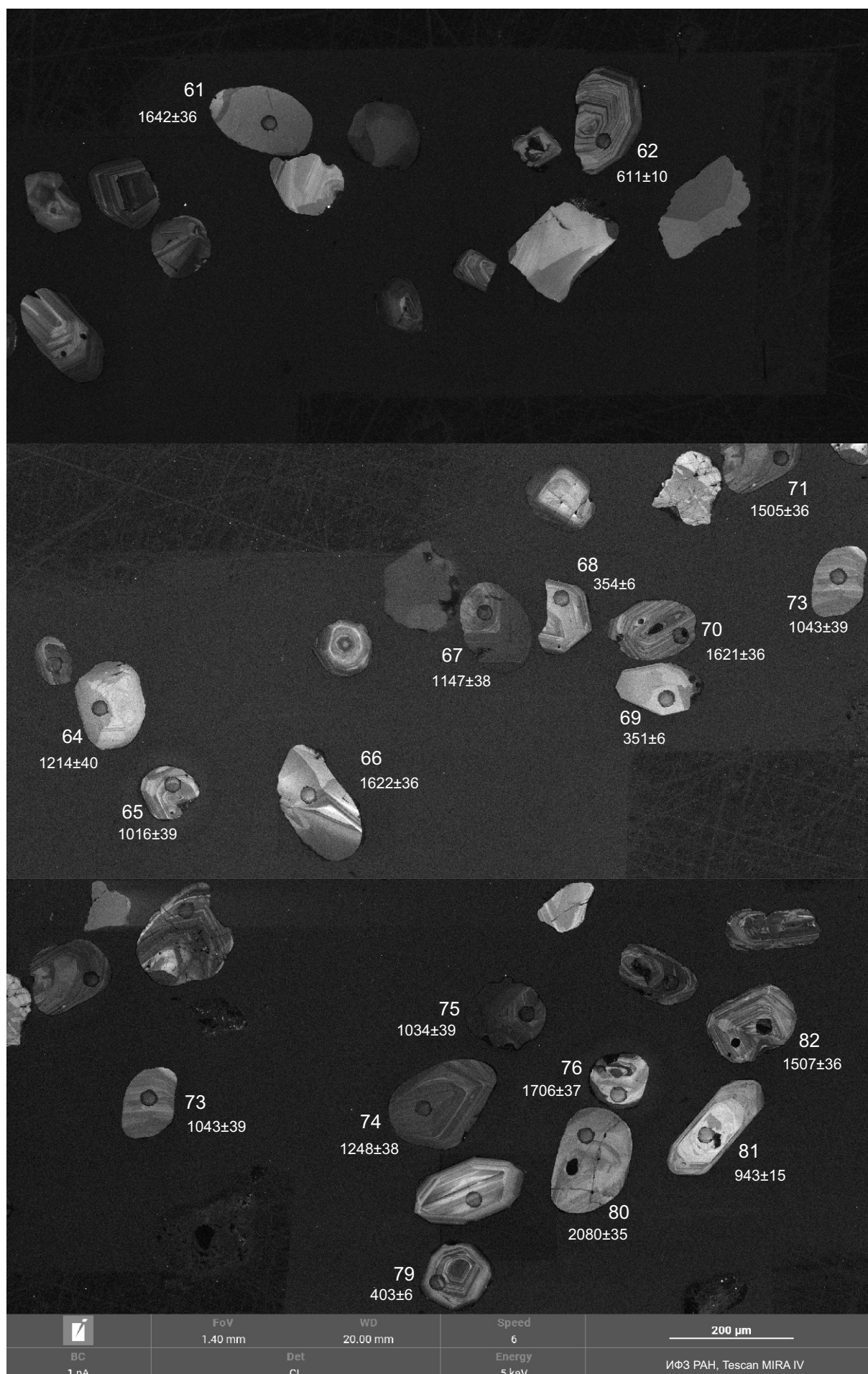


Таблица 1.4 (продолжение)
Table 1.4 (continued)

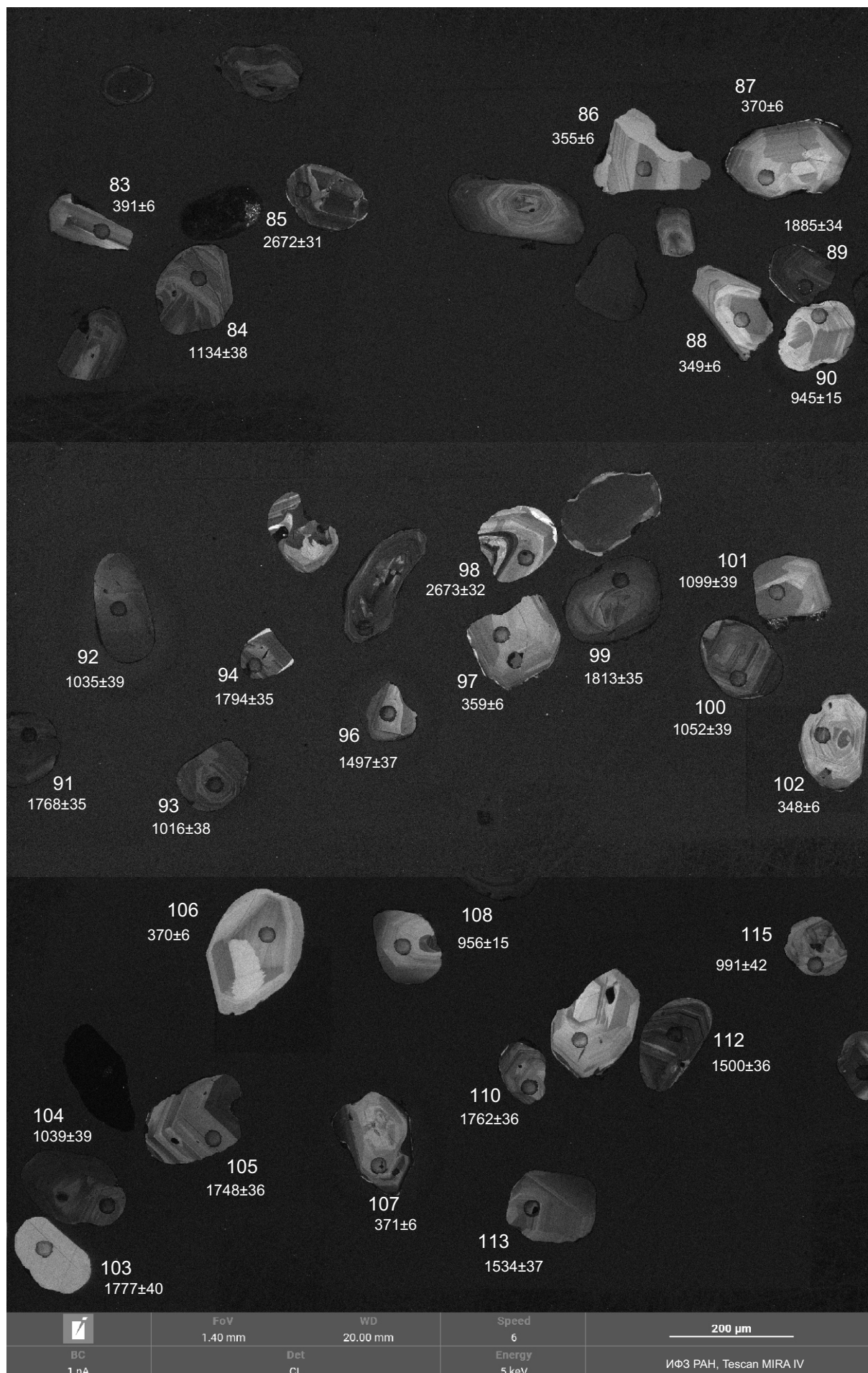


Таблица 1.4 (продолжение)
Table 1.4 (continued)

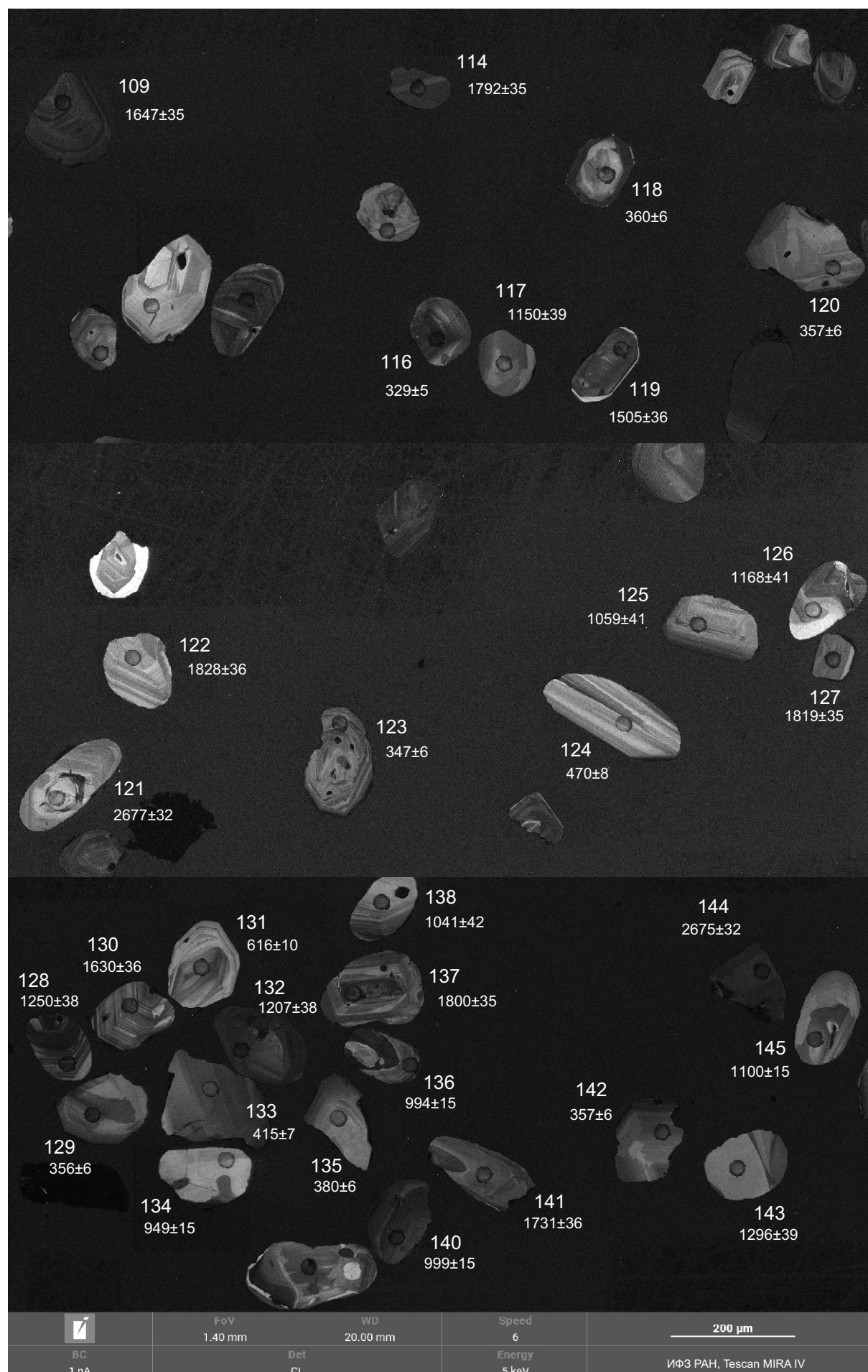


Таблица 1.4 (продолжение)
Table 1.4 (continued)

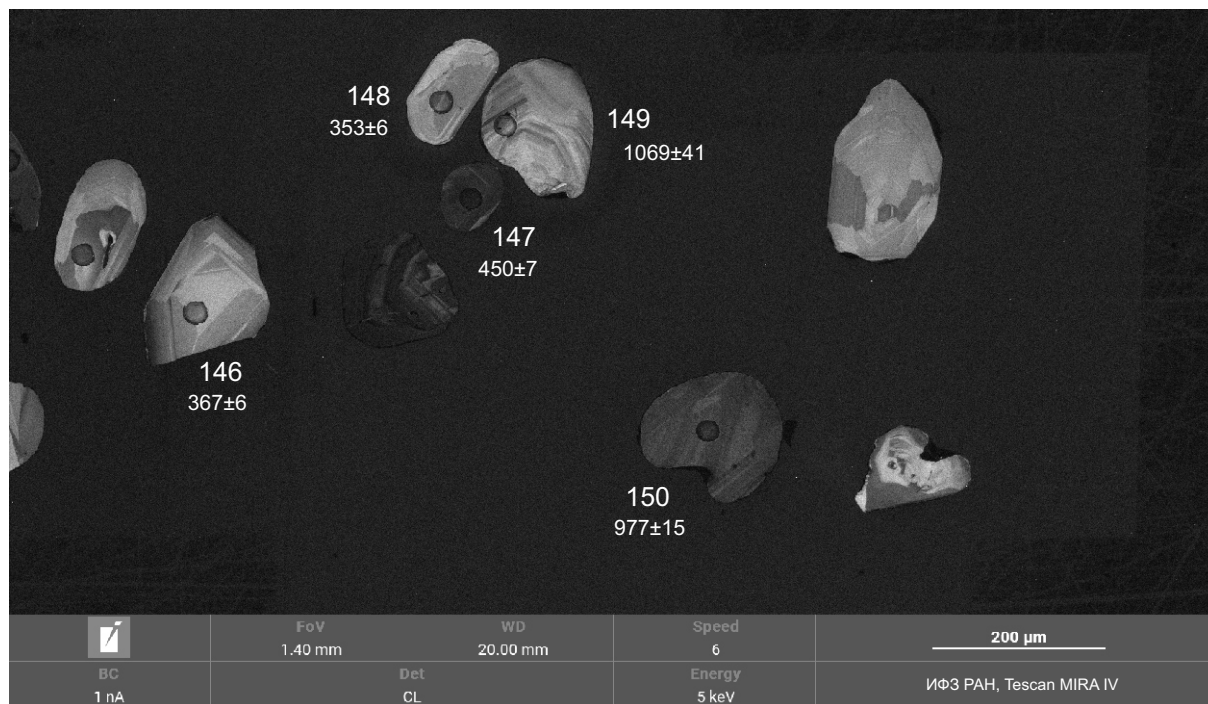


Таблица 1.5. CL-изображения и U-Pb возраст циркона из пробы A12D (Асташиха, триас?)
Table 1.5. CL images of analysed zircon grains from the sample A12D with the U-Pb LA-ICP-MS ages (Astashikha section, Triassic?)

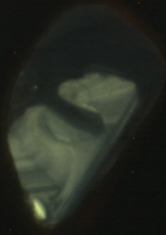
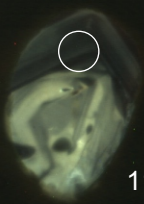
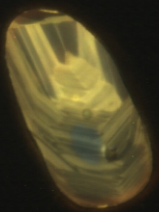
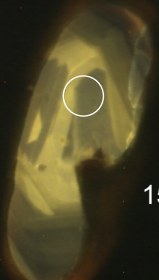
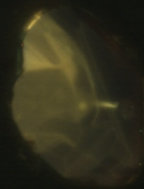
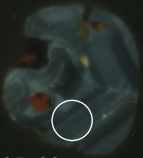
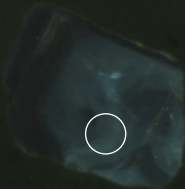
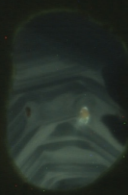
1 	2  1120±32	3 
4 	5  1500±48	6  1095±25
7  1090±36	8  1865±21	9 
10  1460±37	11  1055±38	12  1365±23
13  1335±28	14  1545±21	15  1490±23
16  1275±32	17 	18 

Таблица 1.5 (продолжение)
Table 1.5 (continued)

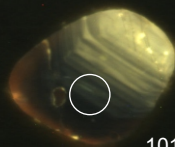
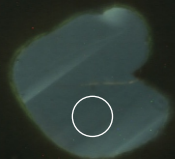
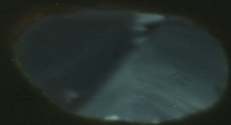
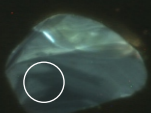
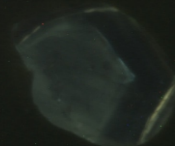
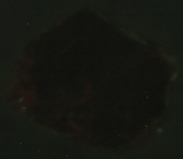
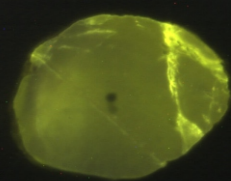
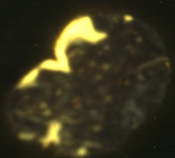
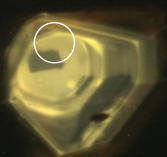
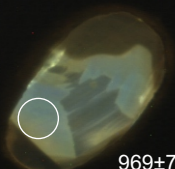
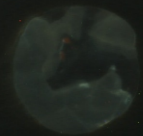
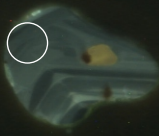
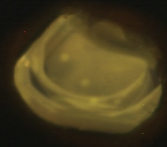
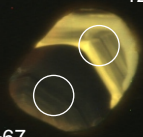
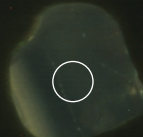
19  357±6	20  1010±26	21  971±14
22  985±71	23  1150±29	24 
25  1540±31	26 	27  1475±22
28 	29 	30  1165±33 1405±25
31 	32  360±9	33  969±76
34 	35  1440±49	36 
37  1235±29 1360±67	38  598±12	

Таблица 1.5 (продолжение)
Table 1.5 (continued)

39	40	41
42	43	44
45	46	47
48	49	50
51	52	53
54	55	56
57	58	59

Таблица 1.5 (продолжение)
Table 1.5 (continued)

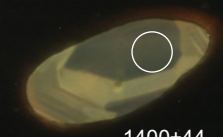
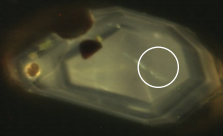
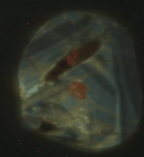
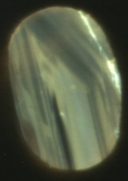
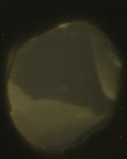
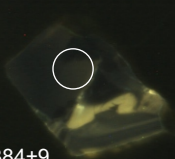
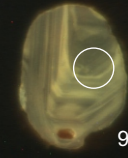
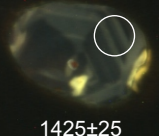
60  1400±44	61 	62 
63  315±5	64  1005±49	65 
66 	67  2625±18	68  1555±47 1590±36
69 	70 	71  384±9
72  945±69	73 	74  1425±25
75  1870±33	76  1675±18	77  1705±20
78  1720±48		

Таблица 1.5 (продолжение)
Table 1.5 (continued)

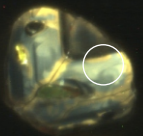
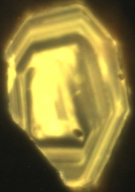
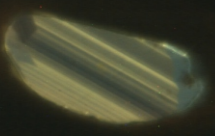
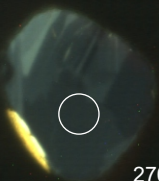
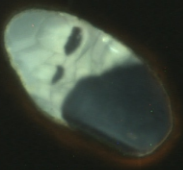
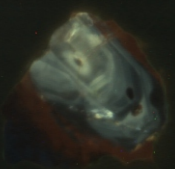
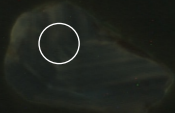
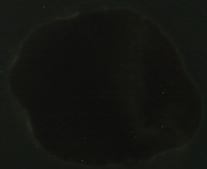
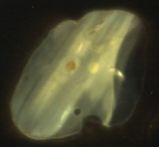
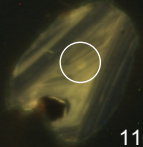
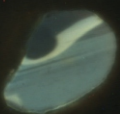
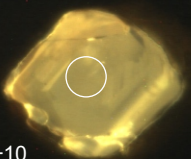
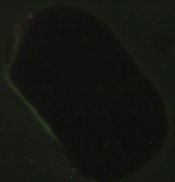
79  1915±45	80 	81 
82  2705±36	83  1565±34	84 
85 	86  352±4	87 
88 	89  454±6	90 
91  1165±53	92  371±13	93  1005±153
94 	95  353±10	96 

Таблица 1.5 (продолжение)
Table 1.5 (continued)

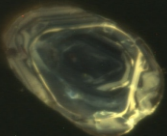
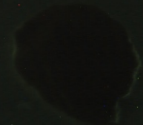
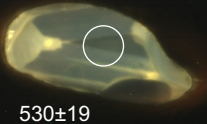
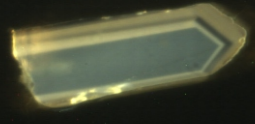
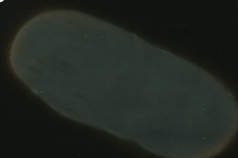
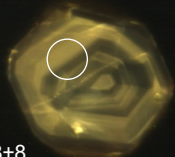
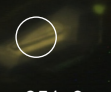
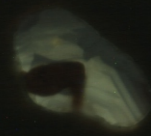
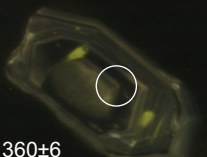
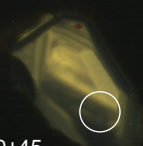
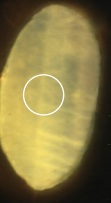
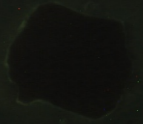
97 	98  1370±66	99 
100  1715±25	101  530±19	102 
103 	104  358±8	105  1355±40
106  351±9	107 	108 
109  360±6	110  1090±45	111  341±12
112  980±32	113  376±8	114 
115  551±9		

Таблица 1.5 (продолжение)
Table 1.5 (continued)

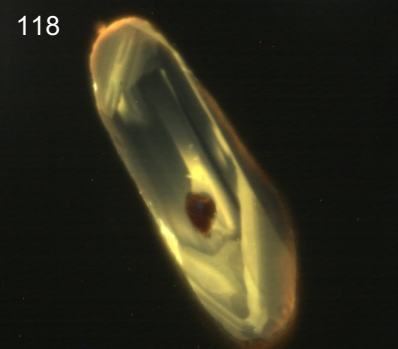
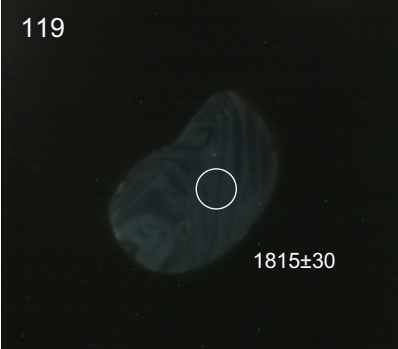
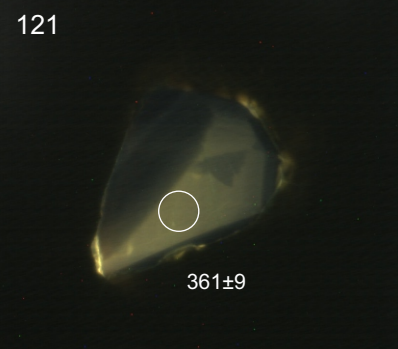
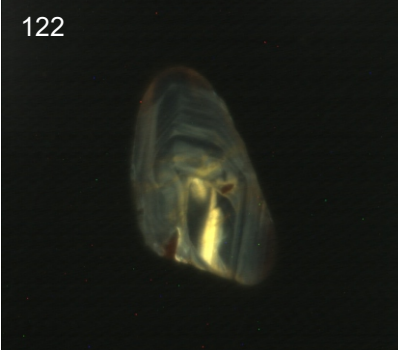
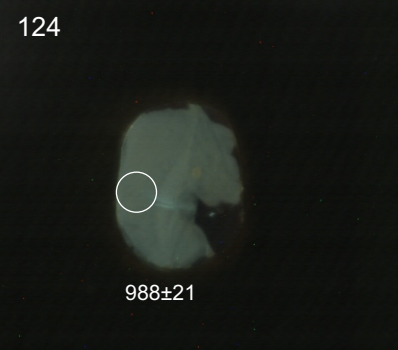
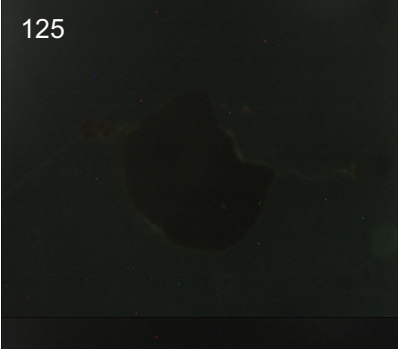
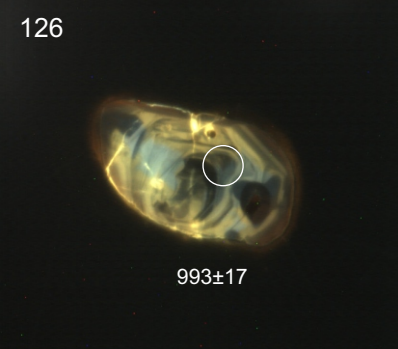
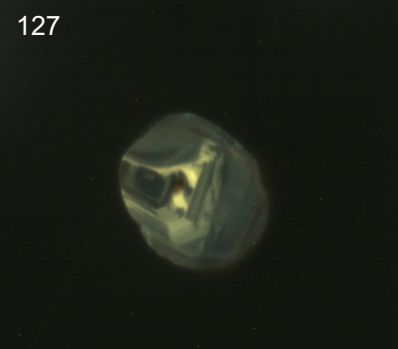
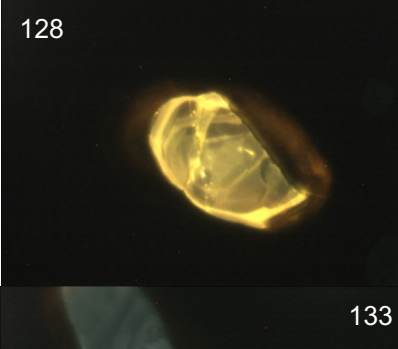
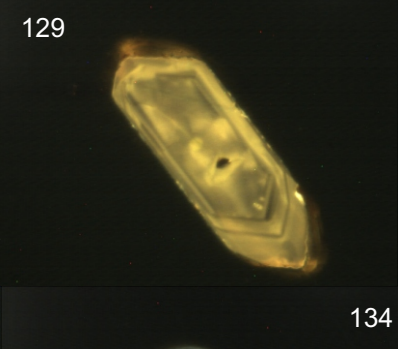
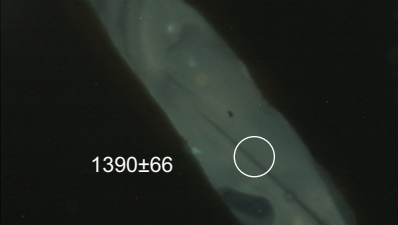
116	117  335±4	118 
119  1815±30	120  1125±40	121  361±9
122 	123 	124  988±21
125 	126  993±17	127 
128 	129 	132  1110±53
133  1390±66	134  1505±54	

Таблица 1.6. CL-изображения и U-Pb возраст циркона из пробы А-10 (Асташиха, пермь)
Table 1.6. CL images of analysed zircon grains from the sample A-10 with the U-Pb LA-ICP-MS ages (Astashikha section, Permian)

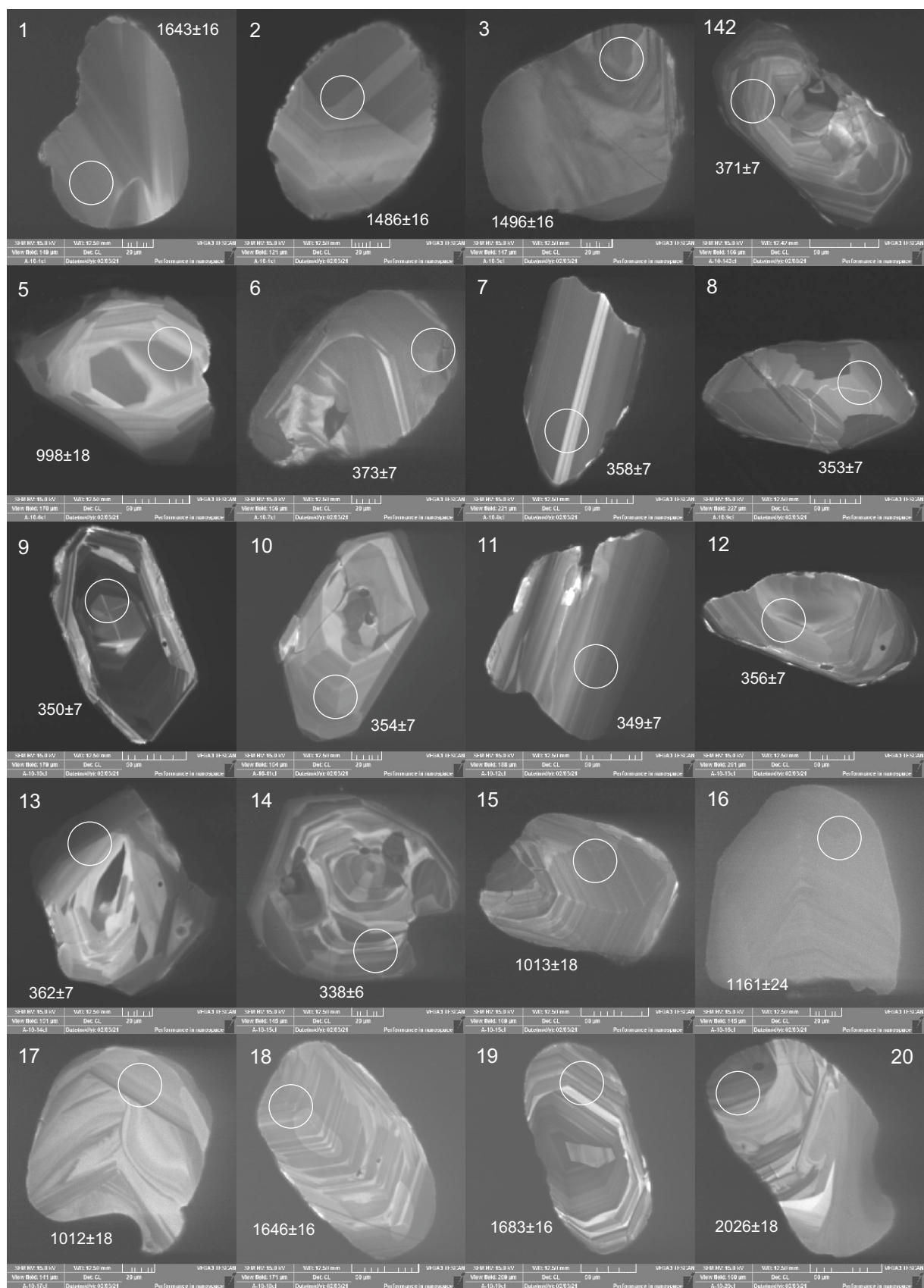


Таблица 1.6 (продолжение)
Table 1.6 (continued)

21 1139±17 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	22 1037±18 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	23 1669±16 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	24 1223±17 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing
25 1172±17 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	26 340±6 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	27 1208±17 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	28 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing
29 1312±16 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	30 1630±16 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	31 1000±20 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	32 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing
33 1472±16 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	34 1194±17 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	35 1155±17 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	36 1087±19 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing
37 1212±17 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	38 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	39 346±7 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing	40 1468±16 SEM BSE-TOPO, VAC: 12.50 mm, Det: CL, 20 µm, Performance in processing

Таблица 1.6 (продолжение)
Table 1.6 (continued)

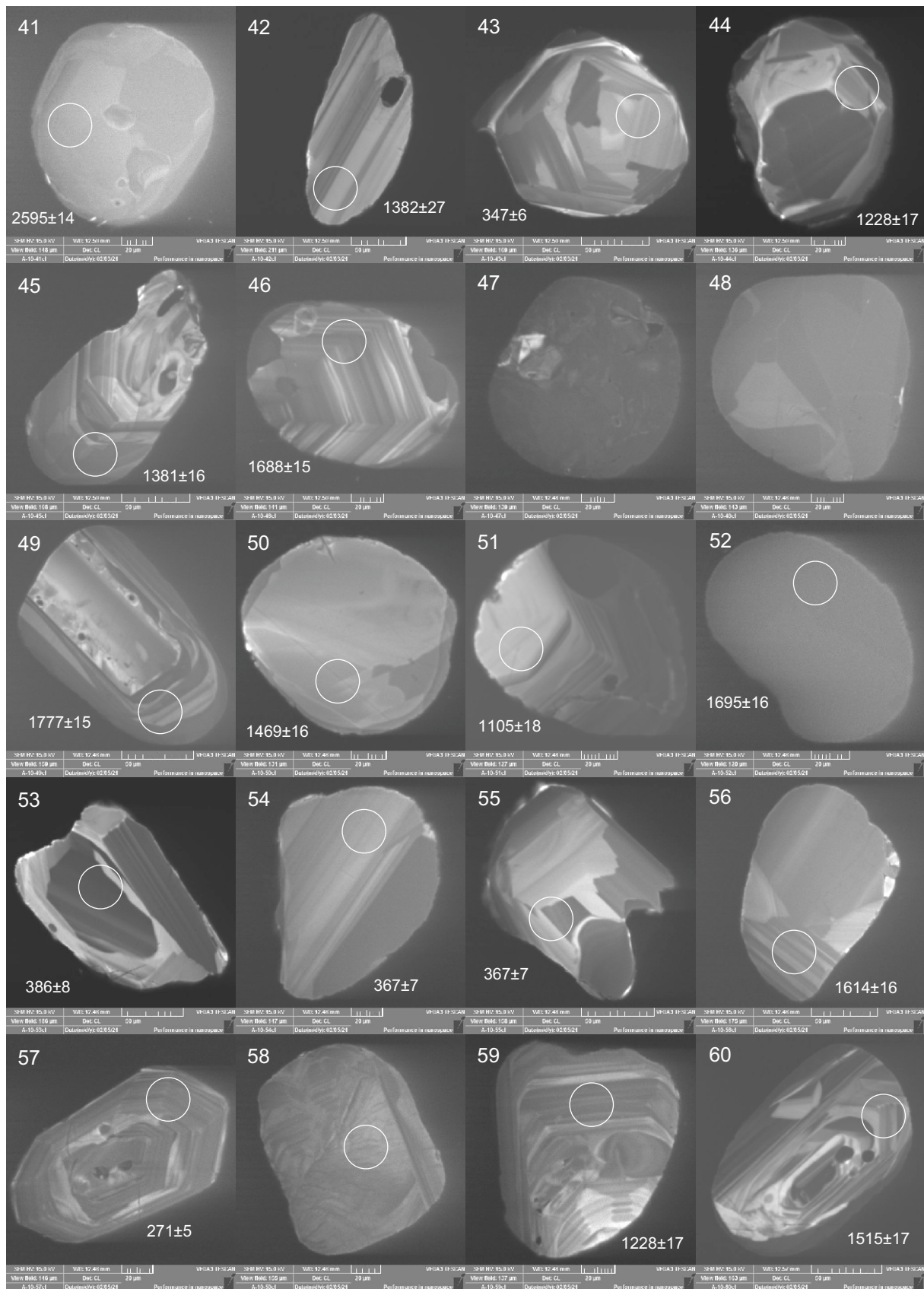


Таблица 1.6 (продолжение)
Table 1.6 (continued)

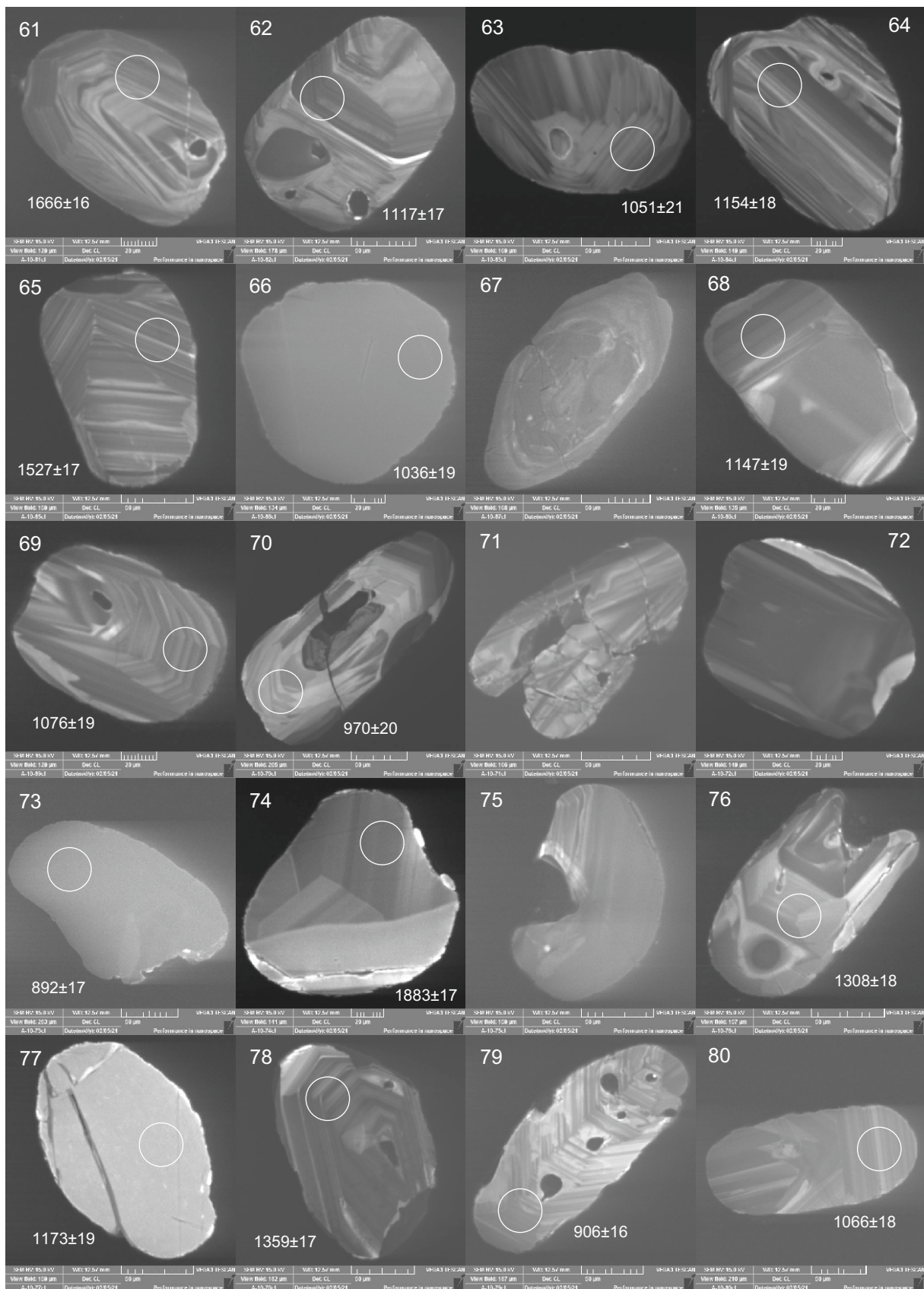


Таблица 1.6 (продолжение)
Table 1.6 (continued)

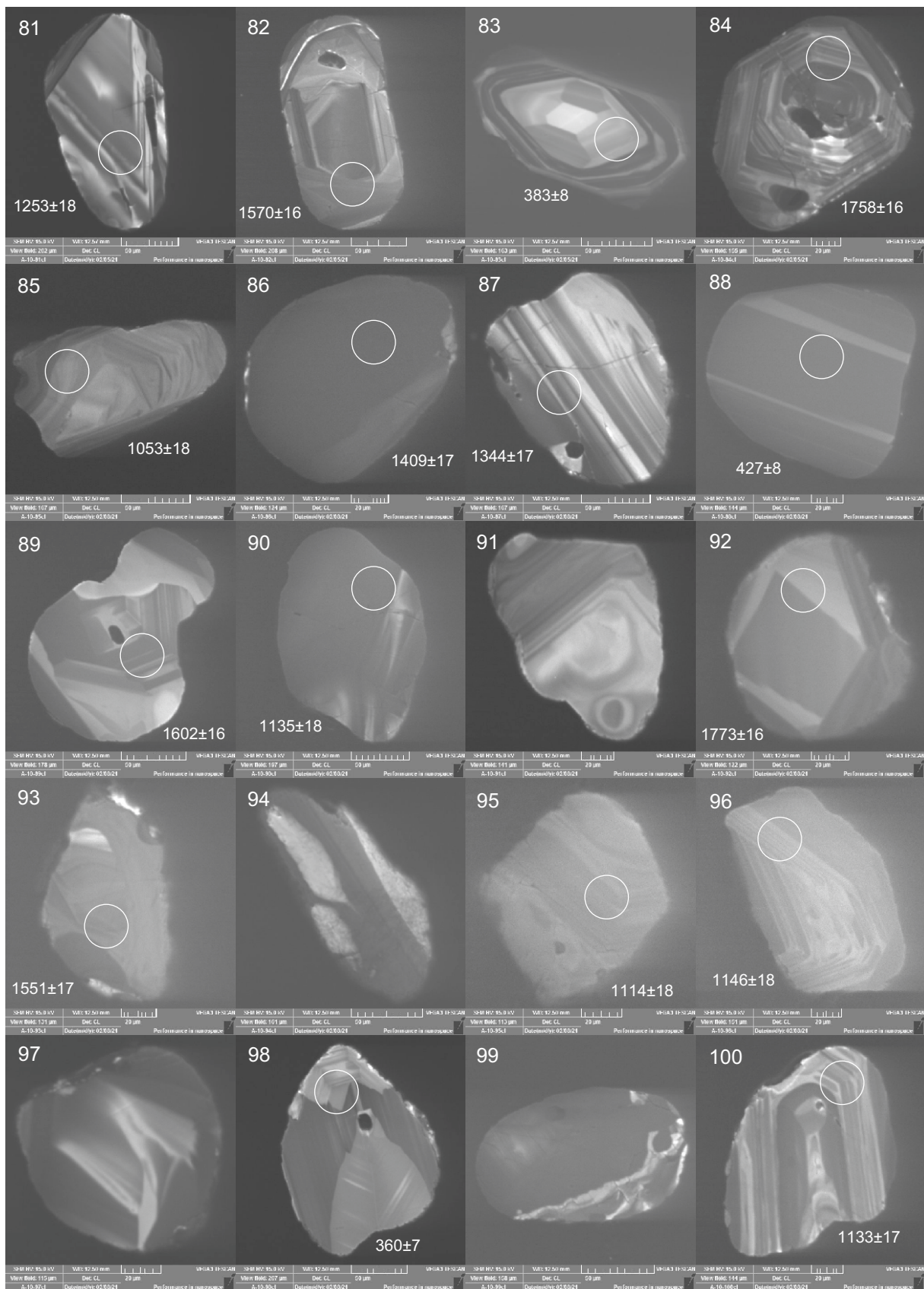


Таблица 1.6 (продолжение)
Table 1.6 (continued)

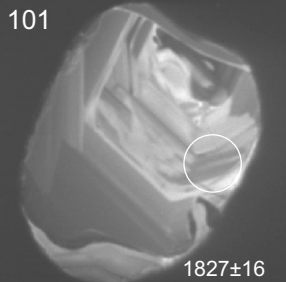
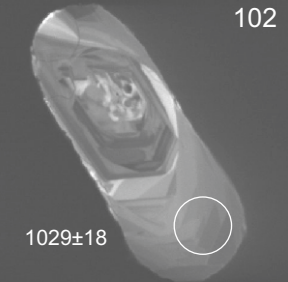
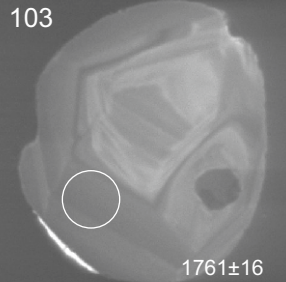
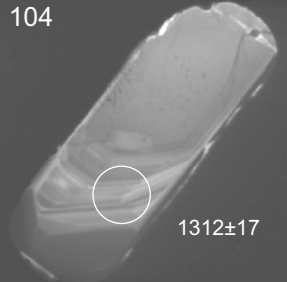
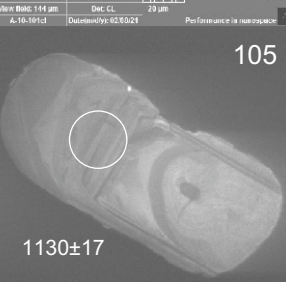
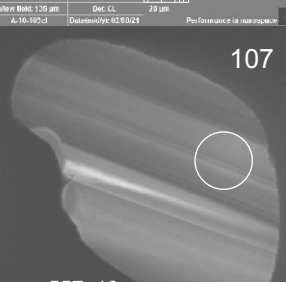
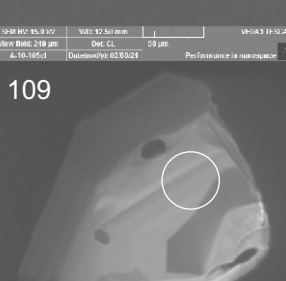
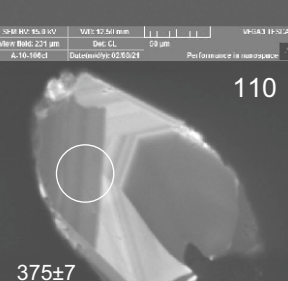
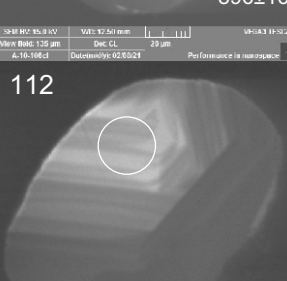
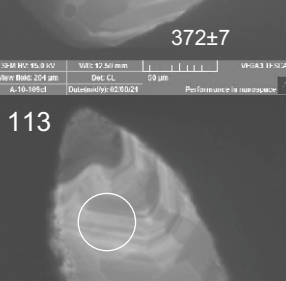
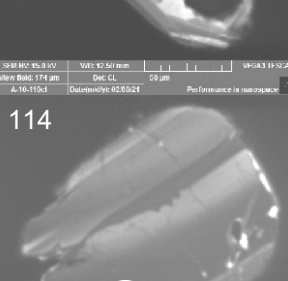
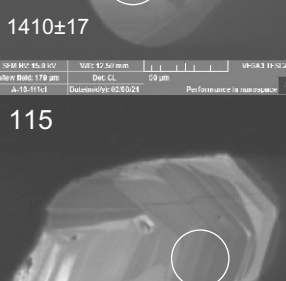
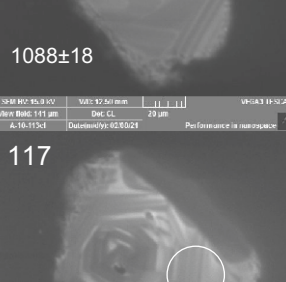
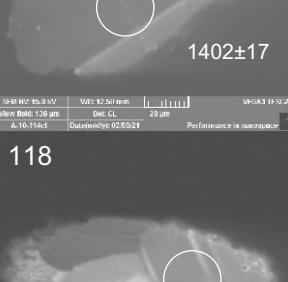
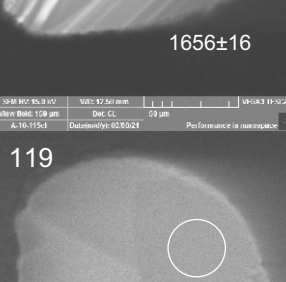
101  1827±16 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-191cd, Outermesh: 02.0/0.21, Performance in microscopy	102  1029±18 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-192cd, Outermesh: 02.0/0.21, Performance in microscopy	103  1761±16 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-193cd, Outermesh: 02.0/0.21, Performance in microscopy	104  1312±17 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-194cd, Outermesh: 02.0/0.21, Performance in microscopy
105  1130±17 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-195cd, Outermesh: 02.0/0.21, Performance in microscopy	106  338±6 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-196cd, Outermesh: 02.0/0.21, Performance in microscopy	107  557±10 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-197cd, Outermesh: 02.0/0.21, Performance in microscopy	108  896±16 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-198cd, Outermesh: 02.0/0.21, Performance in microscopy
109  372±7 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-199cd, Outermesh: 02.0/0.21, Performance in microscopy	110  375±7 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-110cd, Outermesh: 02.0/0.21, Performance in microscopy	111  1410±17 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-111cd, Outermesh: 02.0/0.21, Performance in microscopy	112  1731±17 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-112cd, Outermesh: 02.0/0.21, Performance in microscopy
113  1088±18 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-113cd, Outermesh: 02.0/0.21, Performance in microscopy	114  1402±17 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-114cd, Outermesh: 02.0/0.21, Performance in microscopy	115  1656±16 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-115cd, Outermesh: 02.0/0.21, Performance in microscopy	116  1269±17 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-116cd, Outermesh: 02.0/0.21, Performance in microscopy
117  1704±16 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-117cd, Outermesh: 02.0/0.21, Performance in microscopy	118  1742±16 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-118cd, Outermesh: 02.0/0.21, Performance in microscopy	119  2112±15 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-119cd, Outermesh: 02.0/0.21, Performance in microscopy	120  1437±18 SEM HV: 15.0 kV, Magn: 12.50 mm, Det: CL, 20 µm, A-16-120cd, Outermesh: 02.0/0.21, Performance in microscopy

Таблица 1.6 (продолжение)
Table 1.6 (continued)

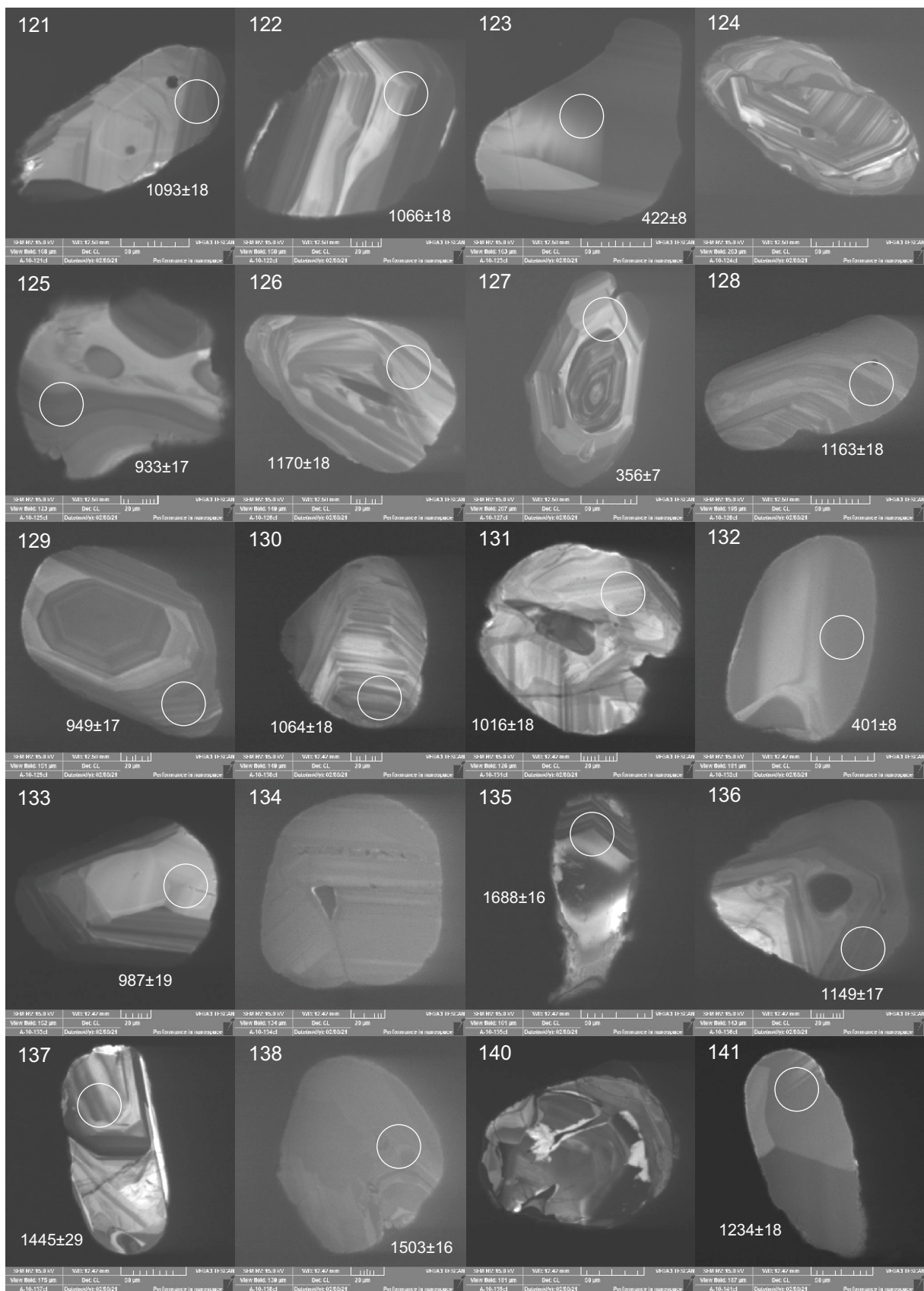


Таблица 1.7. CL-изображения и U-Pb возраст циркона из пробы А-4 (Асташиха, пермь)
Table 1.7. CL images of analysed zircon grains from the sample A-4 with the U-Pb LA-ICP-MS ages (Astashikha section, Permian)

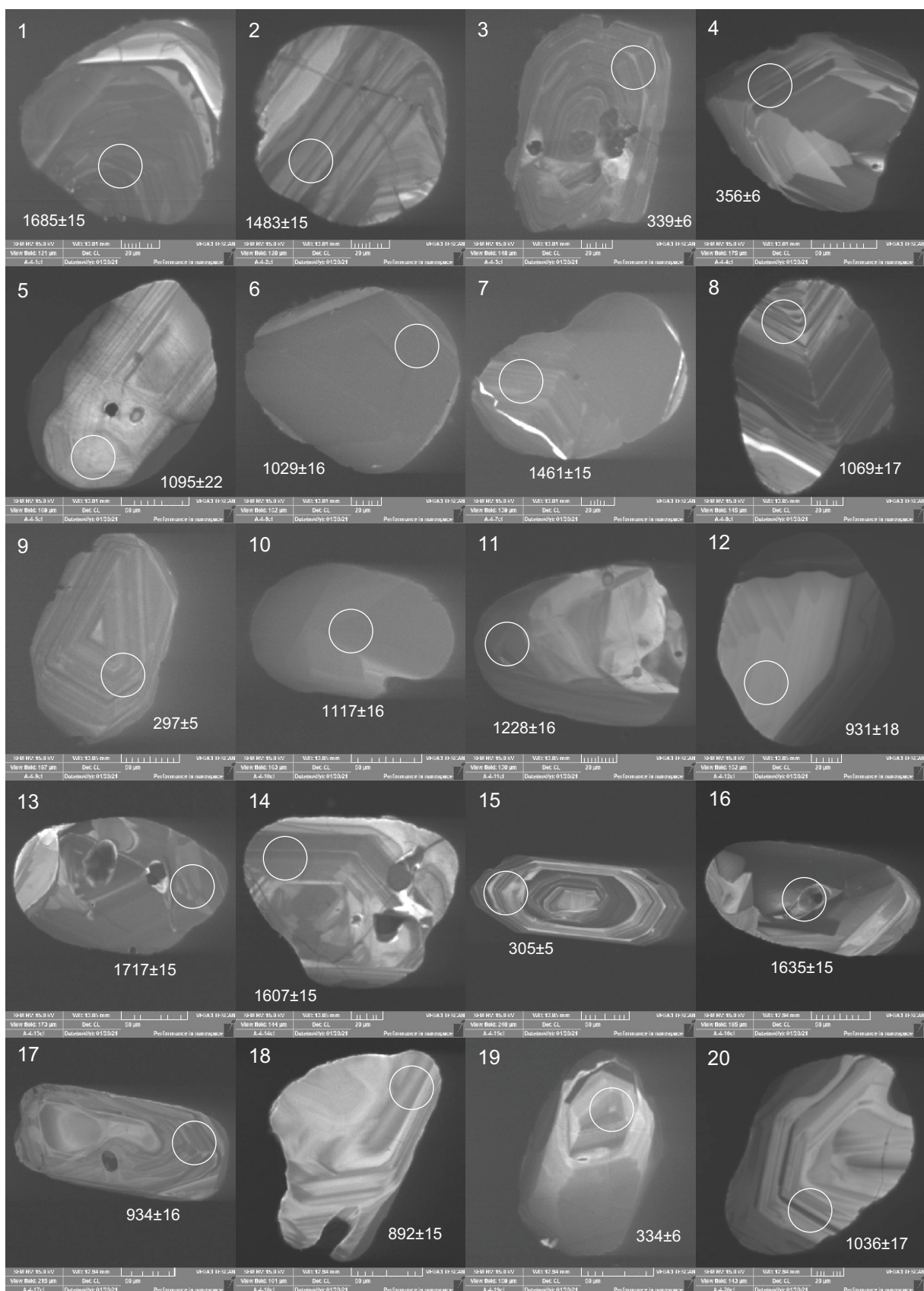


Таблица 1.7 (продолжение)
Table 1.7 (continued)

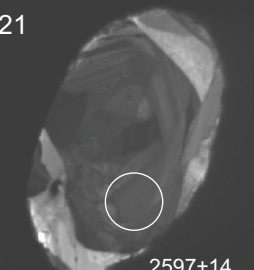
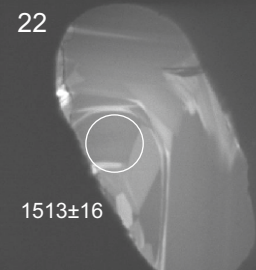
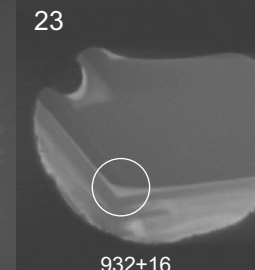
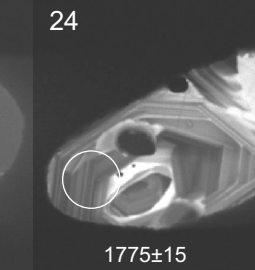
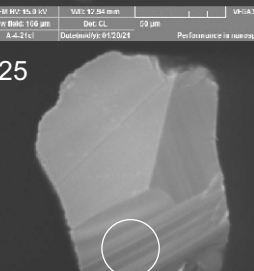
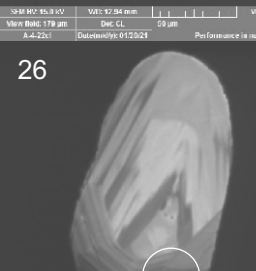
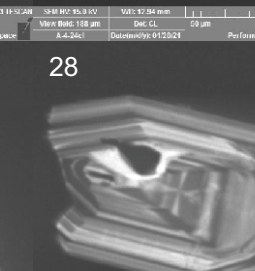
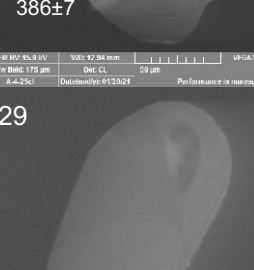
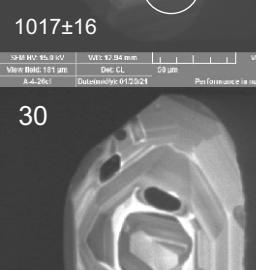
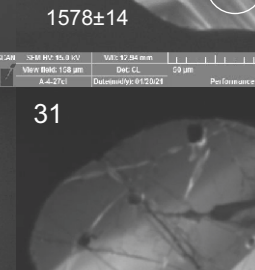
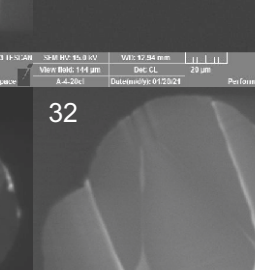
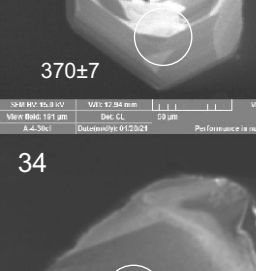
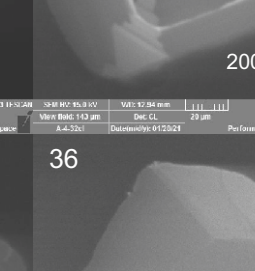
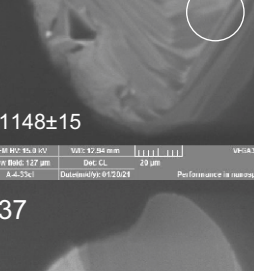
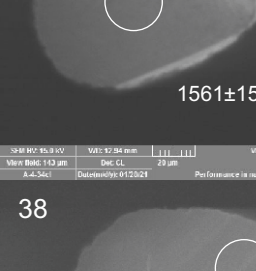
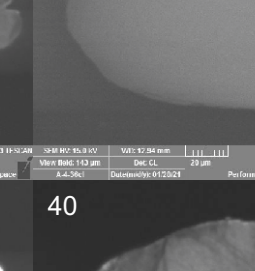
21  2597±14 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 106 µm Date: 01/25/21 Performance: 100% A-4-25c1	22  1513±16 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 179 µm Date: 01/25/21 Performance: 100% A-4-25c1	23  932±16 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 122 µm Date: 01/25/21 Performance: 100% A-4-25c1	24  1775±15 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 108 µm Date: 01/25/21 Performance: 100% A-4-25c1
25  386±7 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 170 µm Date: 01/25/21 Performance: 100% A-4-25c1	26  1017±16 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 181 µm Date: 01/25/21 Performance: 100% A-4-25c1	27  1578±14 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 128 µm Date: 01/25/21 Performance: 100% A-4-27c1	28  SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 164 µm Date: 01/25/21 Performance: 100% A-4-25c1
29  1388±15 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 174 µm Date: 01/25/21 Performance: 100% A-4-25c1	30  370±7 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 181 µm Date: 01/25/21 Performance: 100% A-4-25c1	31  SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 129 µm Date: 01/25/21 Performance: 100% A-4-51c1	32  2000±14 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 143 µm Date: 01/25/21 Performance: 100% A-4-52c1
33  1148±15 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 127 µm Date: 01/25/21 Performance: 100% A-4-53c1	34  1561±15 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 143 µm Date: 01/25/21 Performance: 100% A-4-54c1	35  1003±16 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 129 µm Date: 01/25/21 Performance: 100% A-4-55c1	36  SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 143 µm Date: 01/25/21 Performance: 100% A-4-56c1
37  1754±14 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 122 µm Date: 01/25/21 Performance: 100% A-4-57c1	38  1783±14 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 143 µm Date: 01/25/21 Performance: 100% A-4-58c1	39  1044±16 SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 166 µm Date: 01/25/21 Performance: 100% A-4-59c1	40  SEM MO X5.0 KV Vals: 12.94 mm Dec: CL 0.0 µm VP-CA3 H-30.0AM View Back: 127 µm Date: 01/25/21 Performance: 100% A-4-60c1

Таблица 1.7 (продолжение)
Table 1.7 (continued)

41 1025±19 SPM NO: 55.9 kV, View B06: 171 µm, Dec. CL, 09 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	42 1654±15 SPM NO: 55.9 kV, View B06: 133 µm, Dec. CL, 29 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	43 1398±15 SPM NO: 55.9 kV, View B06: 158 µm, Dec. CL, 09 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	44 1125±16 SPM NO: 55.9 kV, View B06: 169 µm, Dec. CL, 29 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме
45 300±5 SPM NO: 55.9 kV, View B06: 129 µm, Dec. CL, 09 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	46 363±7 SPM NO: 55.9 kV, View B06: 152 µm, Dec. CL, 29 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	47 1807±14 SPM NO: 55.9 kV, View B06: 110 µm, Dec. CL, 29 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	48 1647±15 SPM NO: 55.9 kV, View B06: 174 µm, Dec. CL, 09 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме
49 1202±15 SPM NO: 55.9 kV, View B06: 110 µm, Dec. CL, 09 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	50 1605±14 SPM NO: 55.9 kV, View B06: 126 µm, Dec. CL, 29 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	51 1046±16 SPM NO: 55.9 kV, View B06: 121 µm, Dec. CL, 29 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	52 1482±15 SPM NO: 55.9 kV, View B06: 126 µm, Dec. CL, 29 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме
53 1136±15 SPM NO: 55.9 kV, View B06: 125 µm, Dec. CL, 29 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	54 1604±14 SPM NO: 55.9 kV, View B06: 117 µm, Dec. CL, 29 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	55 1350±15 SPM NO: 55.9 kV, View B06: 127 µm, Dec. CL, 29 µm, A-4-56i, Датум: 02.11.2021, Performance: в норме	56 365±7 SPM NO: 55.9 kV, View B06: 129 µm, Dec. CL, 29 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме
57 1331±15 SPM NO: 55.9 kV, View B06: 129 µm, Dec. CL, 29 µm, A-4-56i, Датум: 01.12.2021, Performance: в норме	58 1350±15 SPM NO: 55.9 kV, View B06: 127 µm, Dec. CL, 29 µm, A-4-56i, Датум: 02.11.2021, Performance: в норме	59 365±7 SPM NO: 55.9 kV, View B06: 127 µm, Dec. CL, 29 µm, A-4-56i, Датум: 02.11.2021, Performance: в норме	60 365±7 SPM NO: 55.9 kV, View B06: 127 µm, Dec. CL, 29 µm, A-4-56i, Датум: 02.11.2021, Performance: в норме

Таблица 1.7 (продолжение)
Table 1.7 (continued)

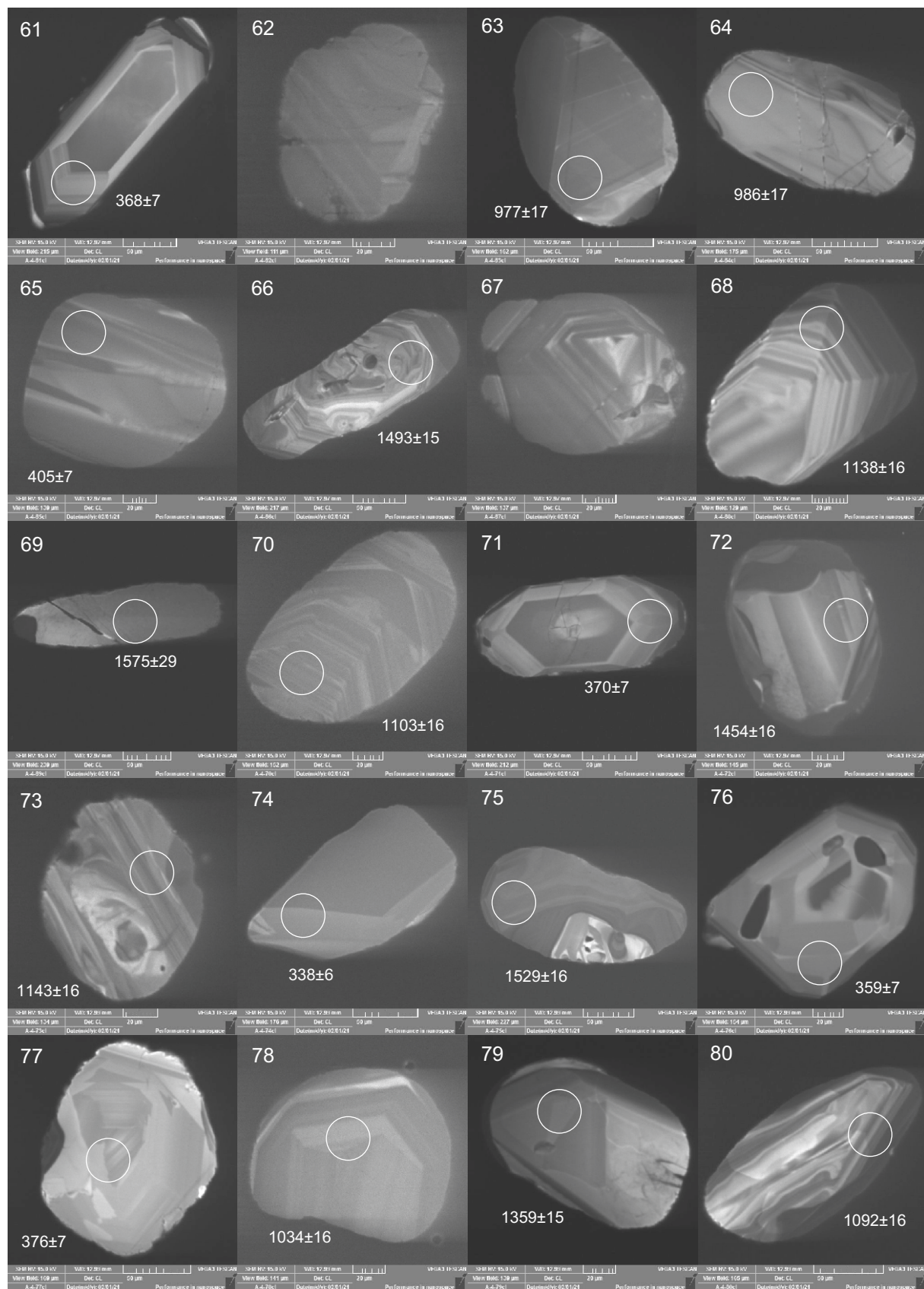


Таблица 1.7 (продолжение)
Table 1.7 (continued)

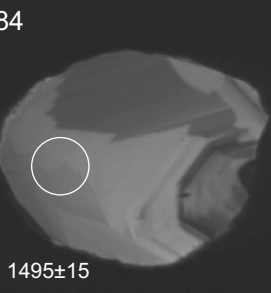
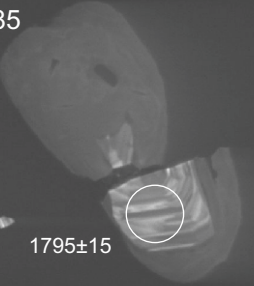
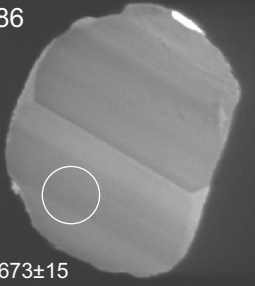
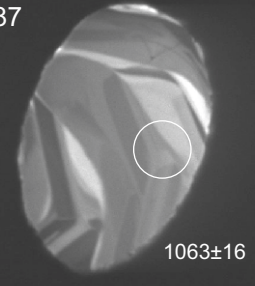
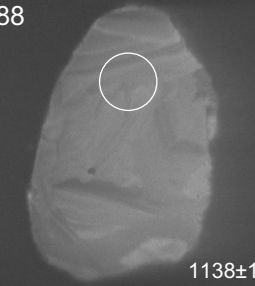
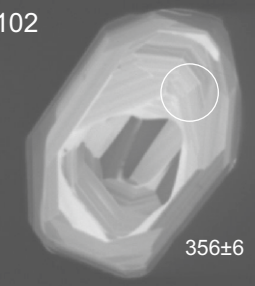
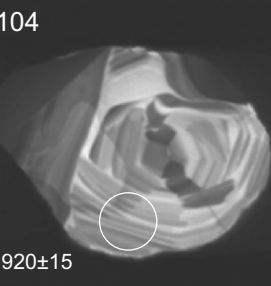
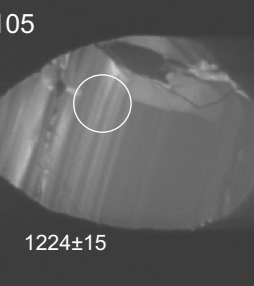
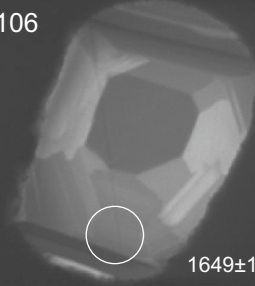
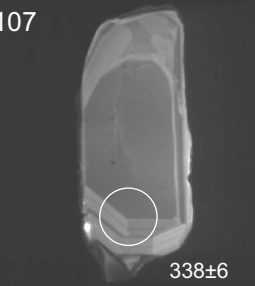
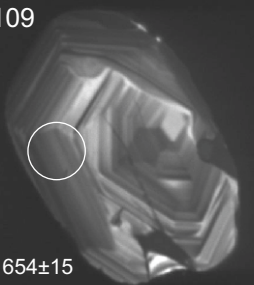
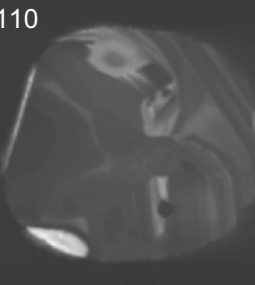
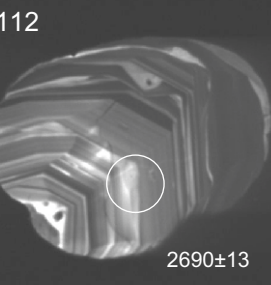
81  957±16 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 217 μm Dec. CL 0 μm A-4-31c1 Dated: 02.01.2021 Performance in the microscope	82  1168±16 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 124 μm Dec. CL 20 μm A-4-32c1 Dated: 02.01.2021 Performance in the microscope	83  1056±17 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 188 μm Dec. CL 0 μm A-4-33c1 Dated: 02.01.2021 Performance in the microscope	84  1495±15 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 124 μm Dec. CL 20 μm A-4-34c1 Dated: 02.01.2021 Performance in the microscope
85  1795±15 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 178 μm Dec. CL 0 μm A-4-35c1 Dated: 02.01.2021 Performance in the microscope	86  1673±15 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 143 μm Dec. CL 20 μm A-4-36c1 Dated: 02.01.2021 Performance in the microscope	87  1063±16 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 127 μm Dec. CL 20 μm A-4-37c1 Dated: 02.01.2021 Performance in the microscope	88  1138±16 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 143 μm Dec. CL 20 μm A-4-38c1 Dated: 02.01.2021 Performance in the microscope
101  356±6 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 156 μm Dec. CL 0 μm A-4-39c1 Dated: 02.01.2021 Performance in the microscope	102  1137±15 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 123 μm Dec. CL 20 μm A-4-40c1 Dated: 02.01.2021 Performance in the microscope	103  920±15 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 140 μm Dec. CL 20 μm A-4-41c1 Dated: 02.01.2021 Performance in the microscope	104  1224±15 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 102 μm Dec. CL 20 μm A-4-42c1 Dated: 02.01.2021 Performance in the microscope
105  1649±14 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 122 μm Dec. CL 20 μm A-4-43c1 Dated: 02.01.2021 Performance in the microscope	106  338±6 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 223 μm Dec. CL 0 μm A-4-44c1 Dated: 02.01.2021 Performance in the microscope	107  1094±15 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 158 μm Dec. CL 0 μm A-4-45c1 Dated: 02.01.2021 Performance in the microscope	108  1654±15 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 140 μm Dec. CL 20 μm A-4-46c1 Dated: 02.01.2021 Performance in the microscope
109  1495±14 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 121 μm Dec. CL 20 μm A-4-47c1 Dated: 02.01.2021 Performance in the microscope	110  2690±13 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 175 μm Dec. CL 0 μm A-4-48c1 Dated: 02.01.2021 Performance in the microscope	111  1495±14 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 175 μm Dec. CL 0 μm A-4-49c1 Dated: 02.01.2021 Performance in the microscope	112  2690±13 SEM HV: 15.0 kV W: 7.80 mm X: 10.00 μm View Blad: 163 μm Dec. CL 0 μm A-4-50c1 Dated: 02.01.2021 Performance in the microscope

Таблица 1.7 (продолжение)
Table 1.7 (continued)

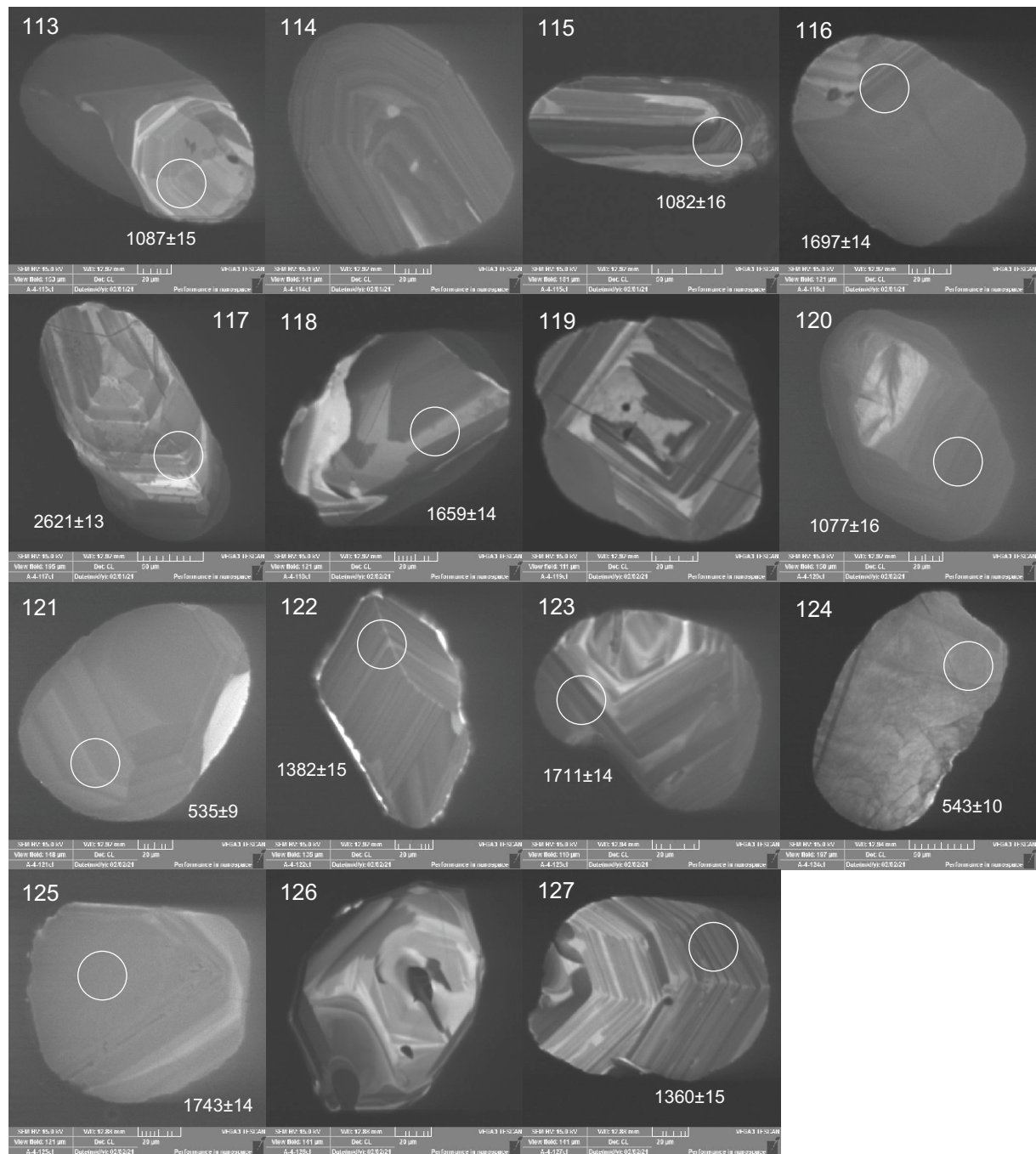


Таблица 1.8. CL-изображения и U-Pb возраст циркона из пробы Н-1 (Недуброво)
Table 1.8. CL images of analysed zircon grains from the sample H-1 with the U-Pb LA-ICP-MS ages (Nedubrovo section)

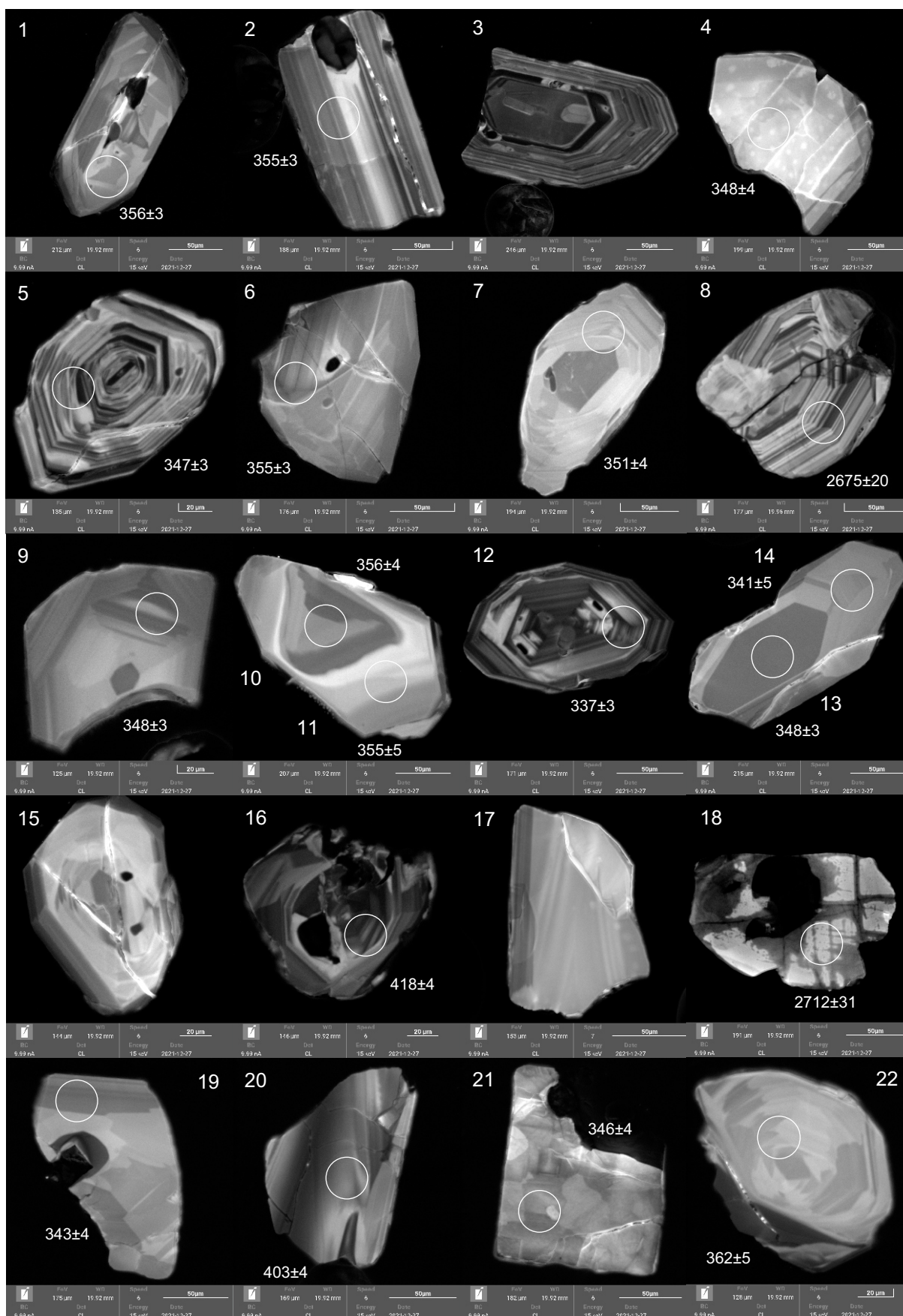


Таблица 1.8 (продолжение)
Table 1.8 (continued)

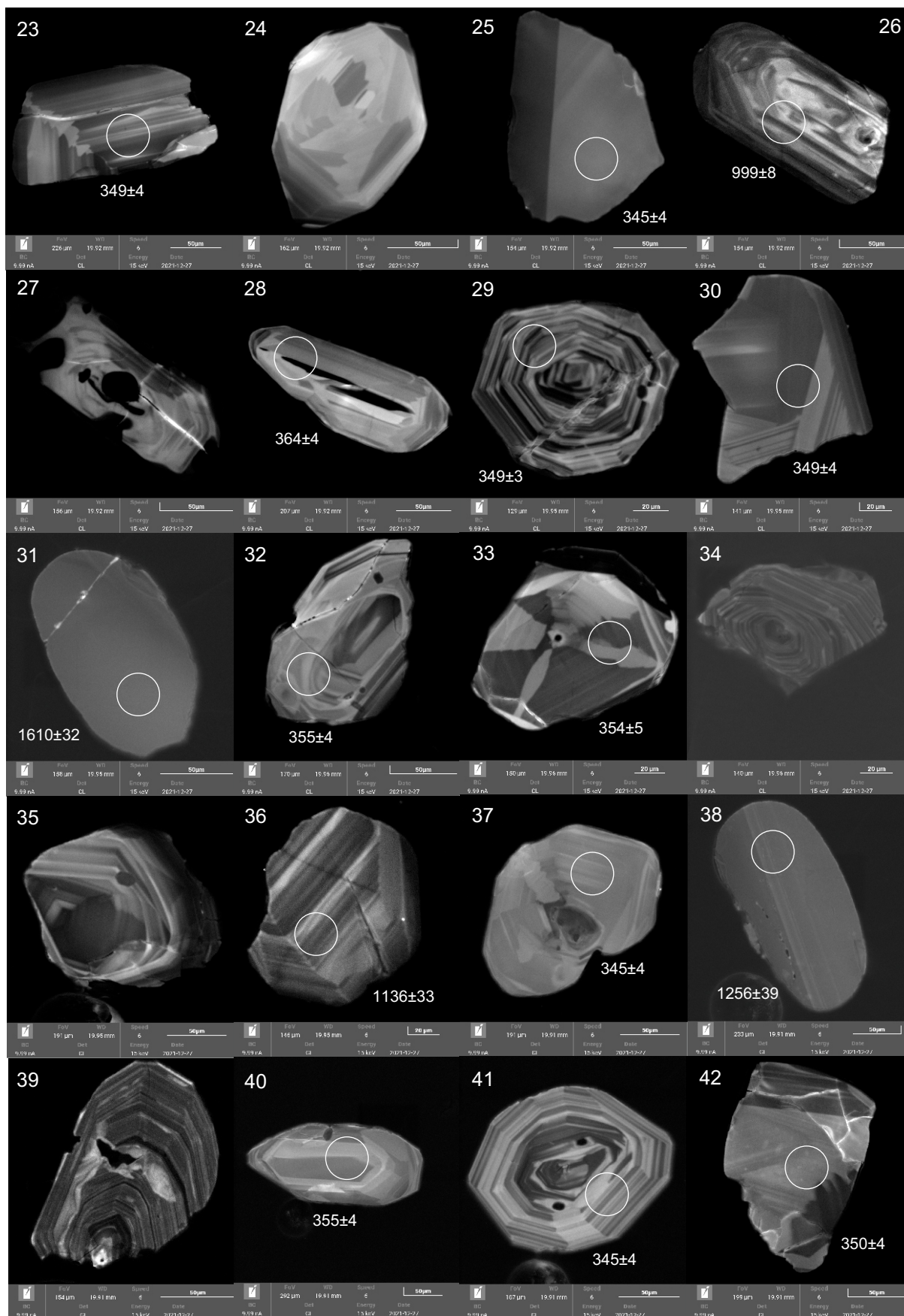


Таблица 1.8 (продолжение)
Table 1.8 (continued)

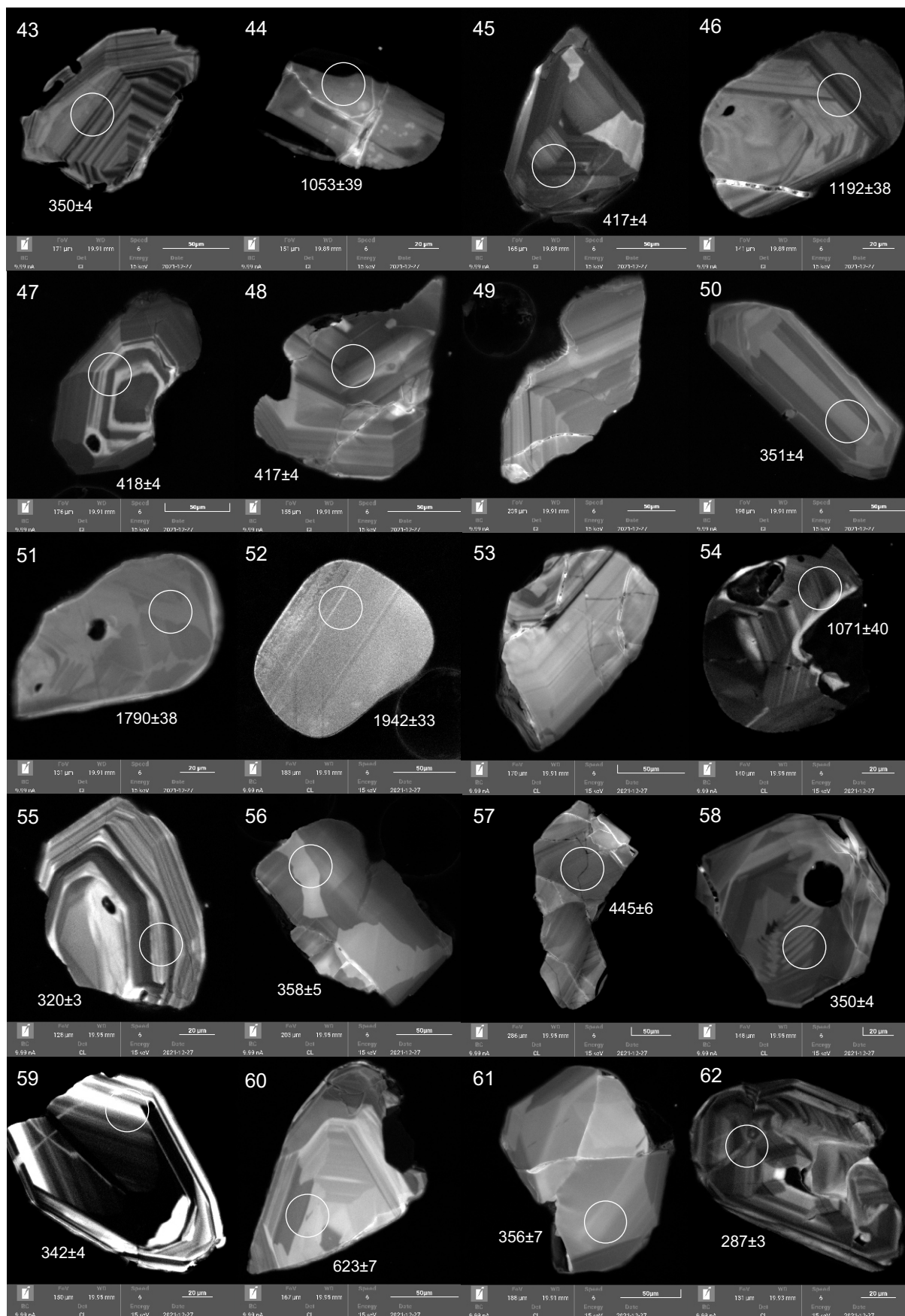


Таблица 1.8 (продолжение)
Table 1.8 (continued)

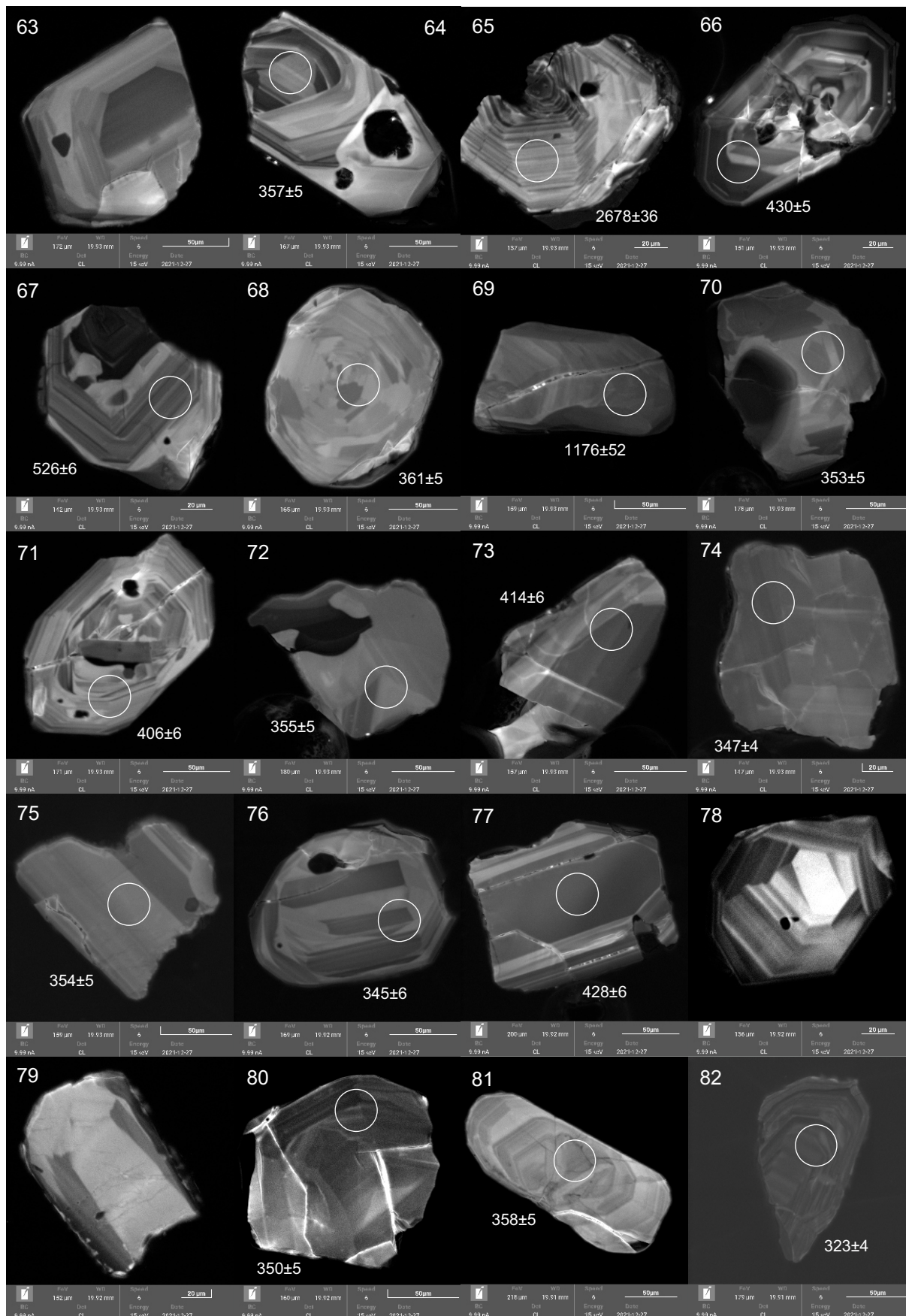


Таблица 1.8 (продолжение)
Table 1.8 (continued)

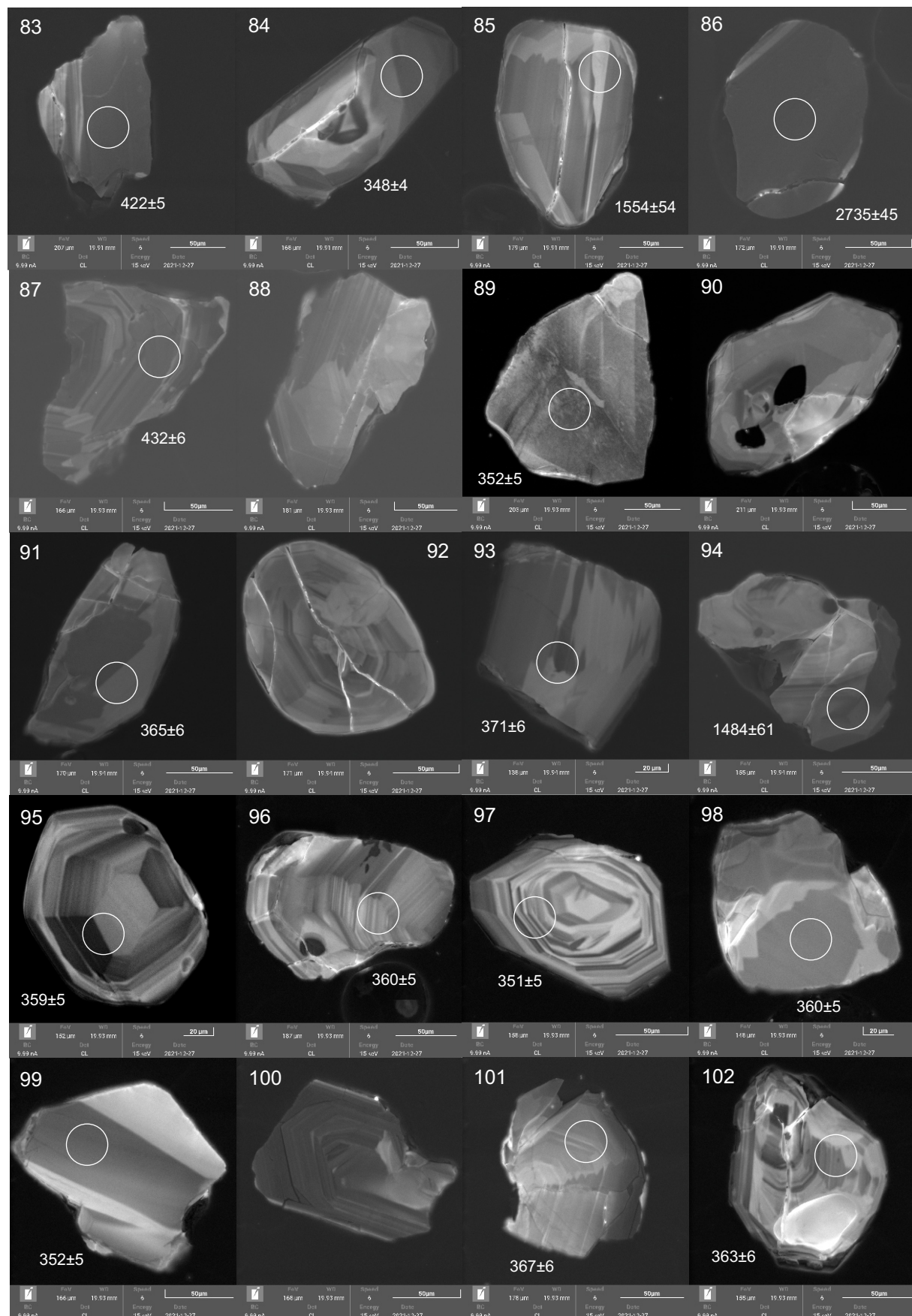


Таблица 1.8 (продолжение)
Table 1.8 (continued)

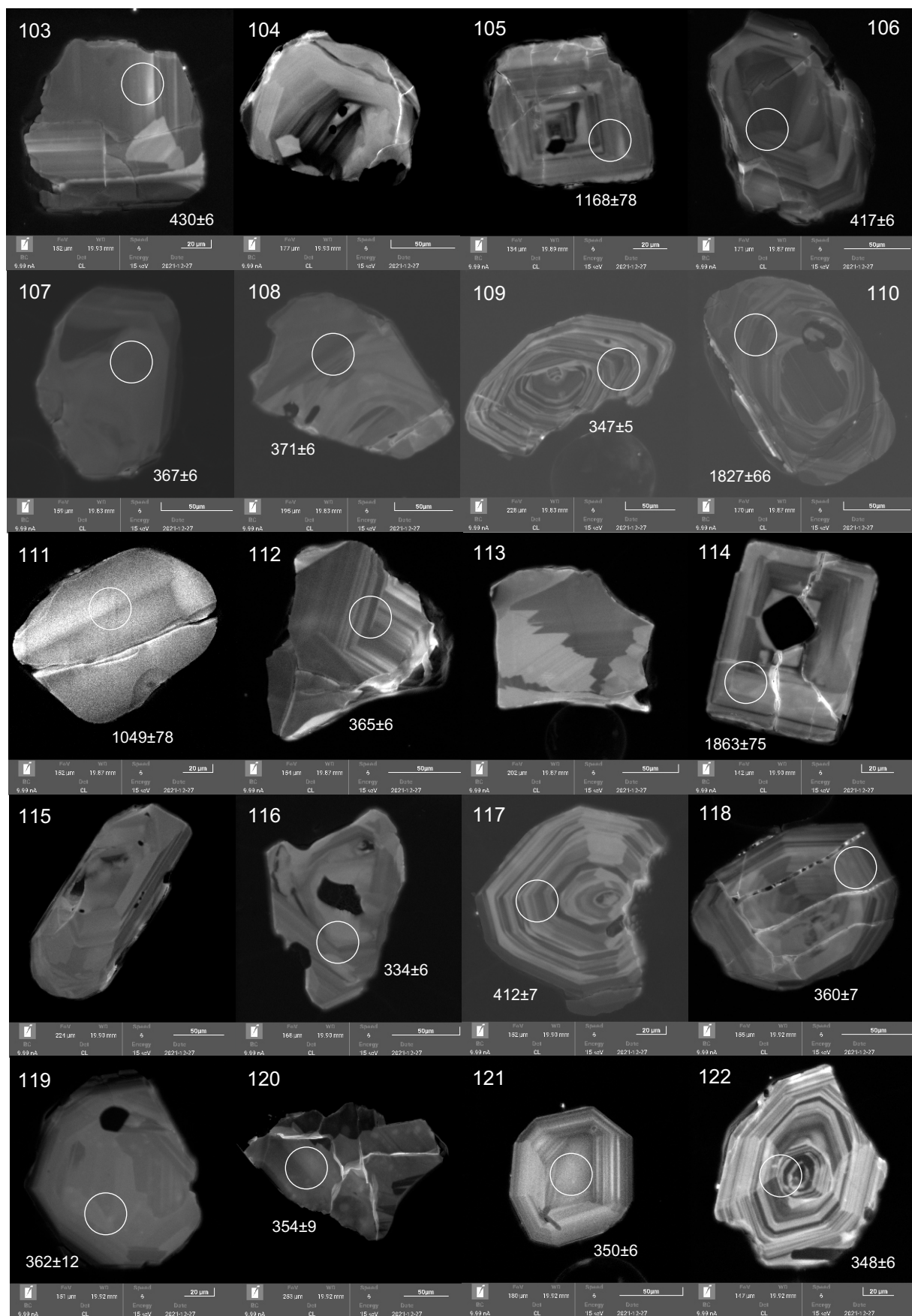


Таблица 1.8 (продолжение)
Table 1.8 (continued)

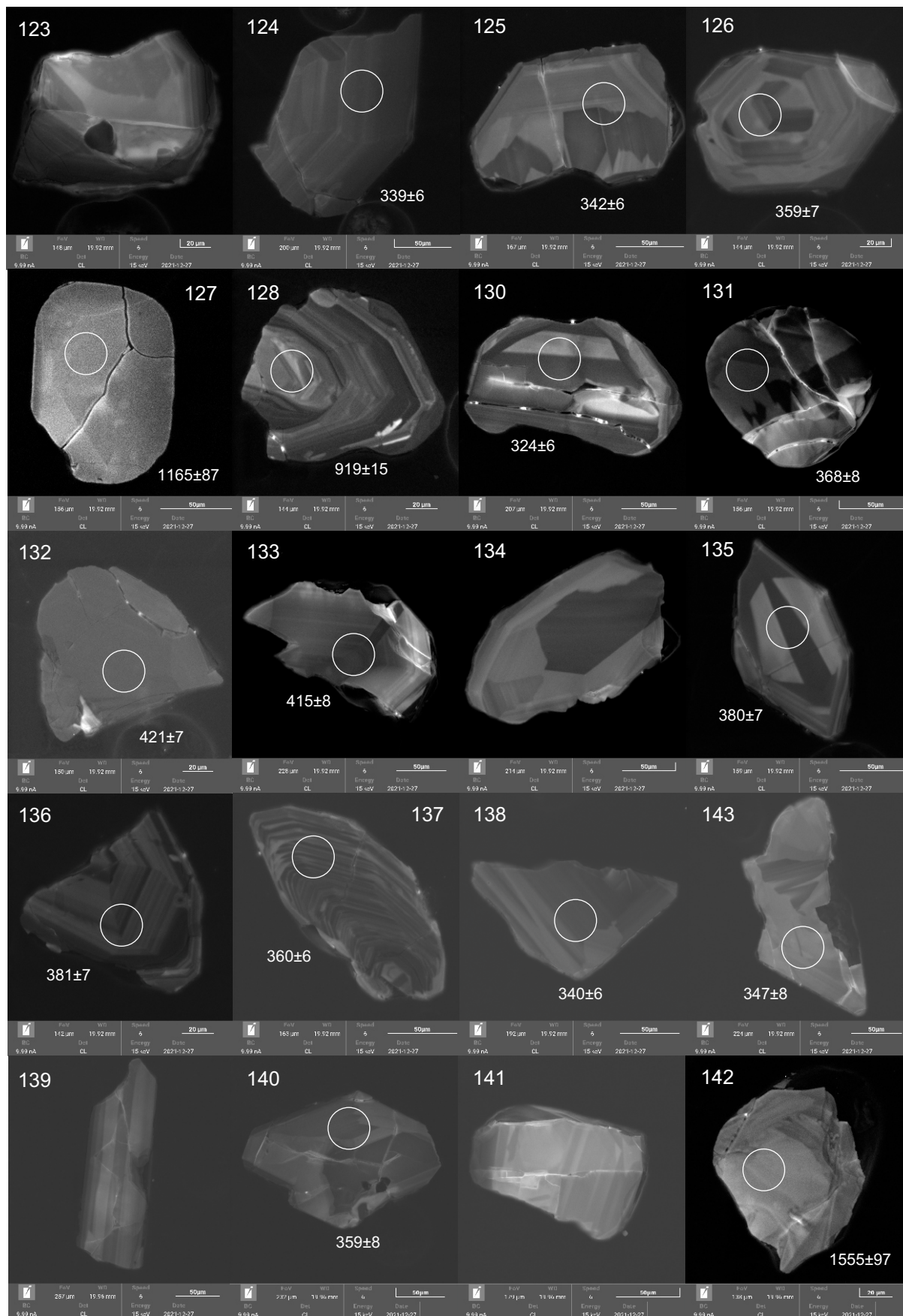


Таблица 1.9. CL-изображения и U-Pb возраст циркона из пробы Н-3 (Недуброво)
Table 1.9. CL images of analysed zircon grains from the sample H-3 with the U-Pb LA-ICP-MS ages (Nedubrovo section)

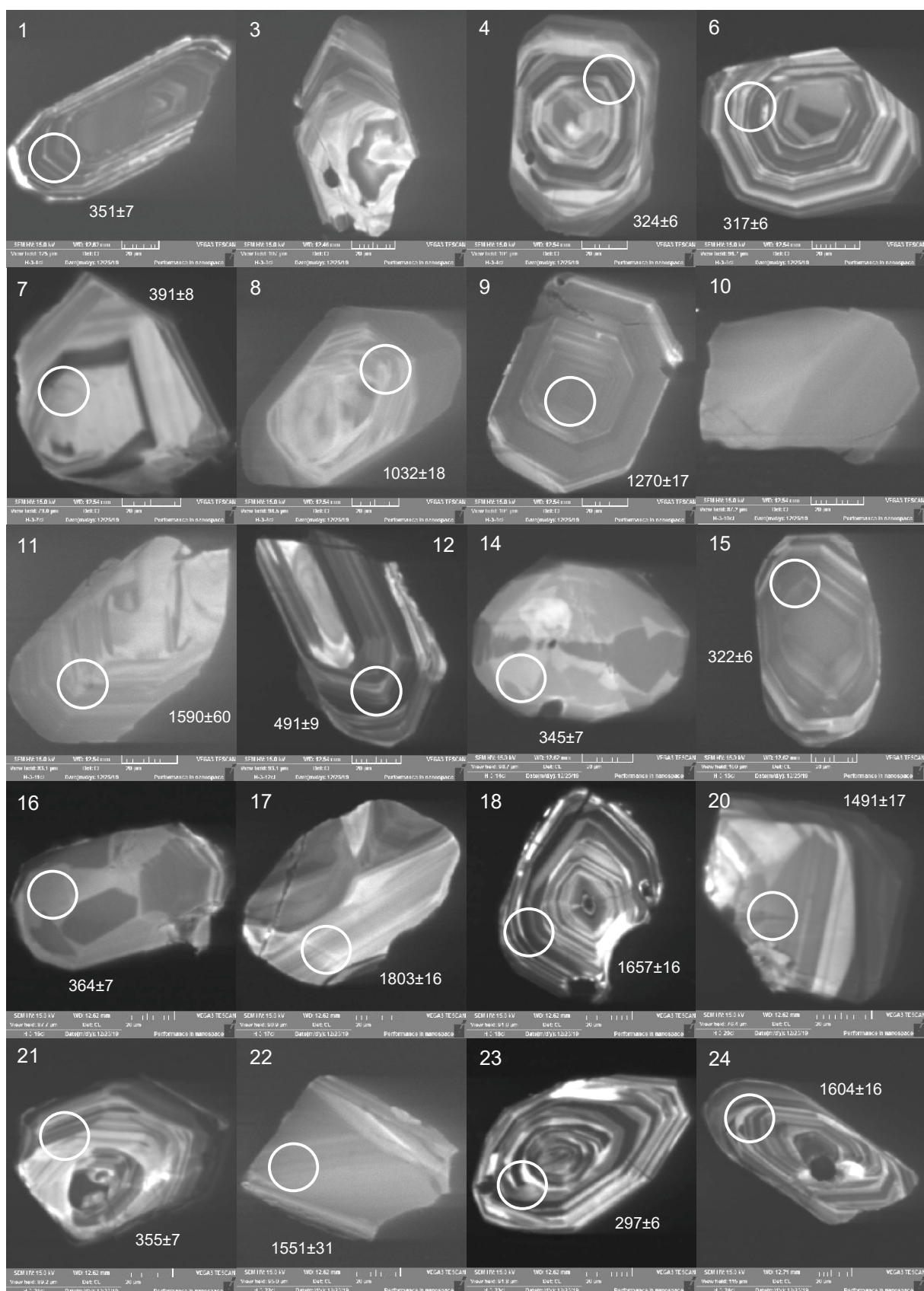


Таблица 1.9 (продолжение)
Table 1.9 (continued)

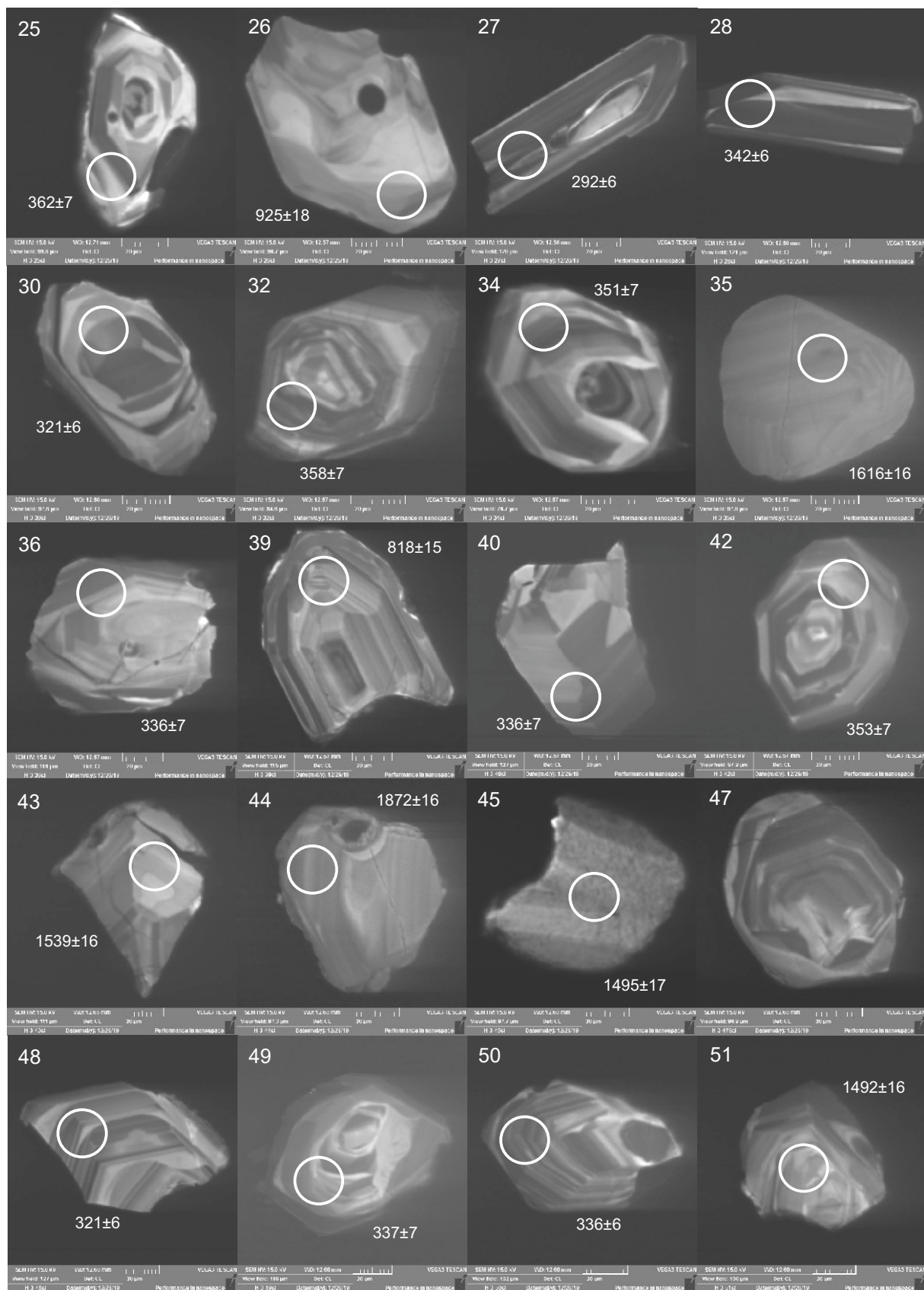


Таблица 1.9 (продолжение)
Table 1.9 (continued)

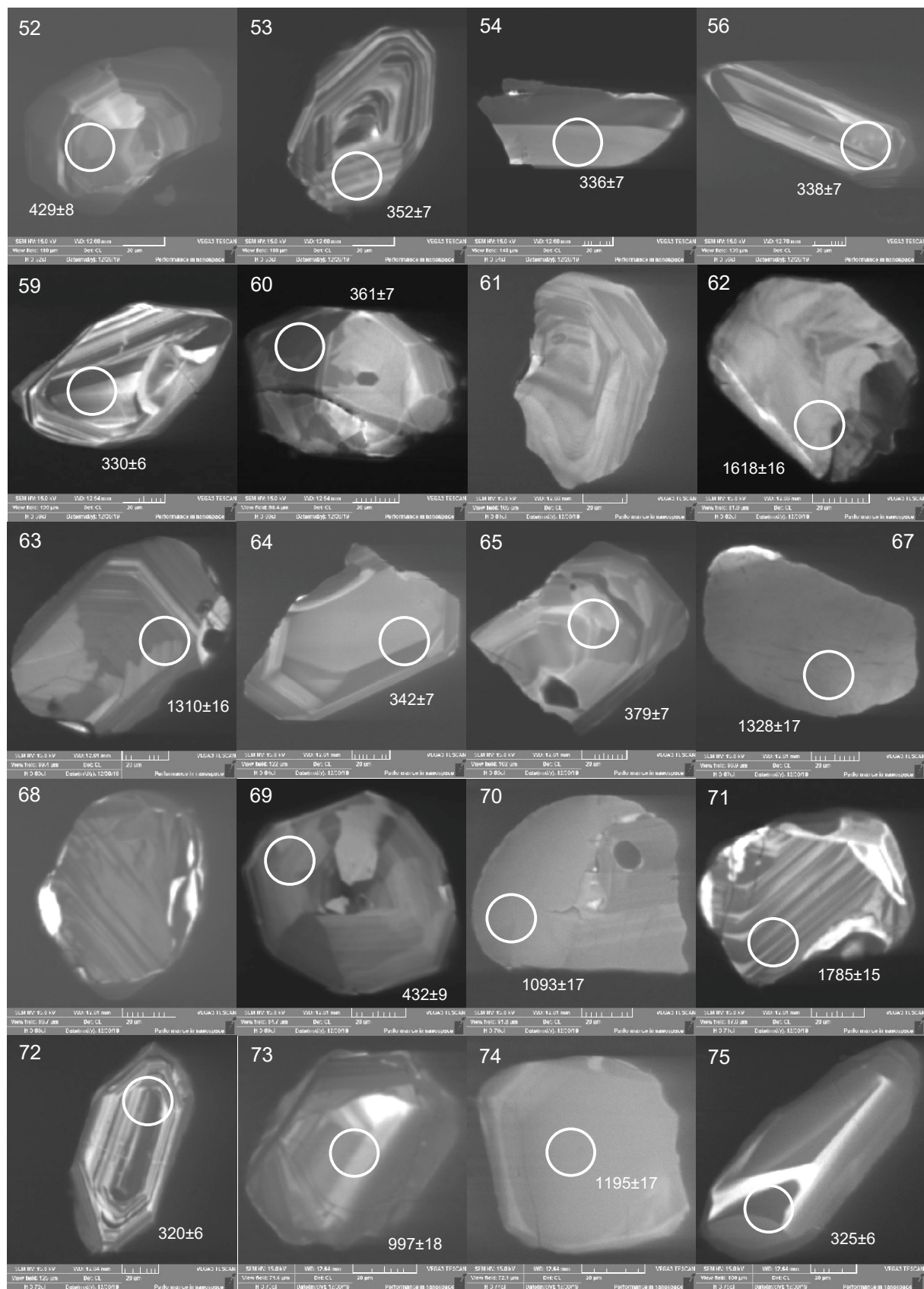


Таблица 1.9 (продолжение)
Table 1.9 (continued)

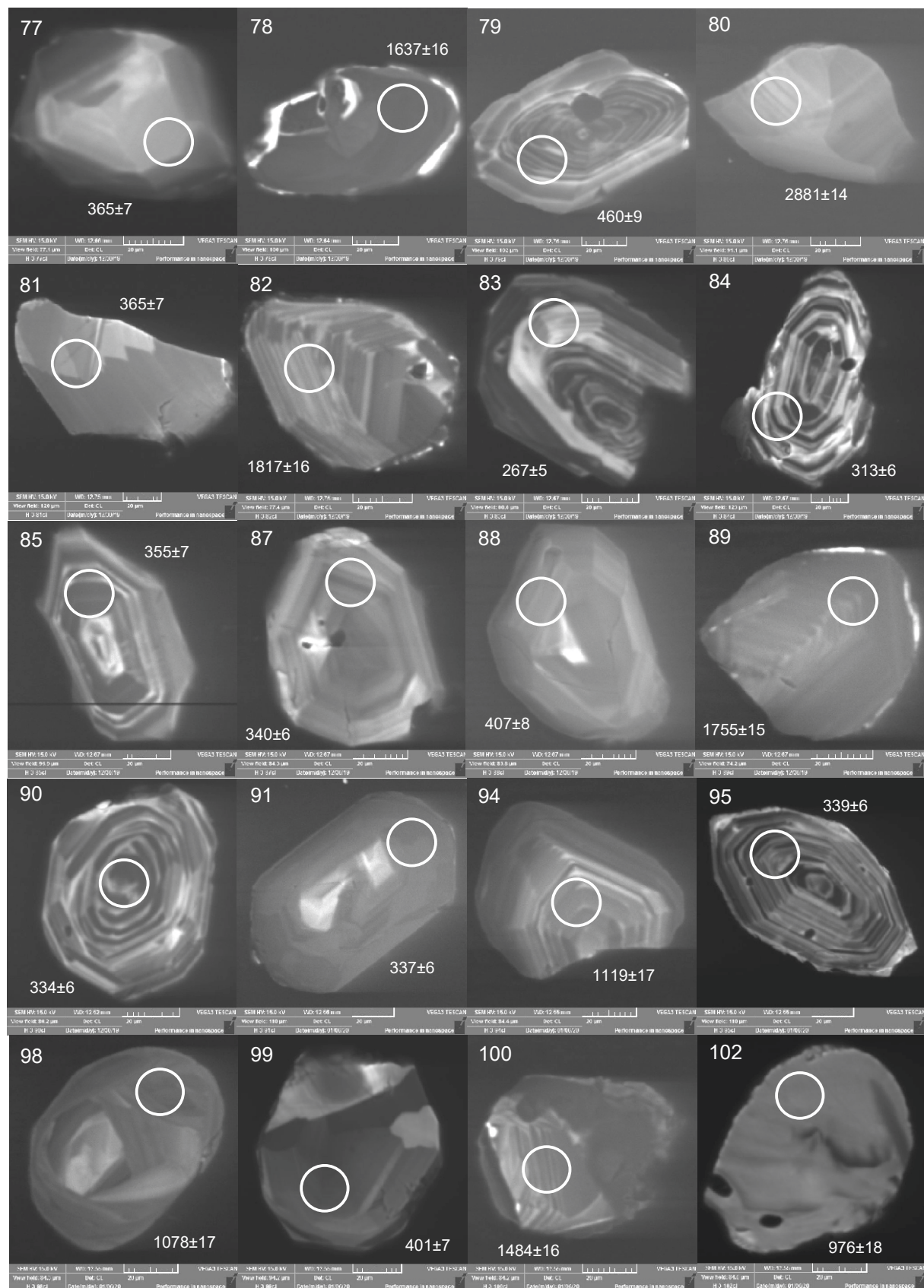


Таблица 1.9 (продолжение)
Table 1.9 (continued)

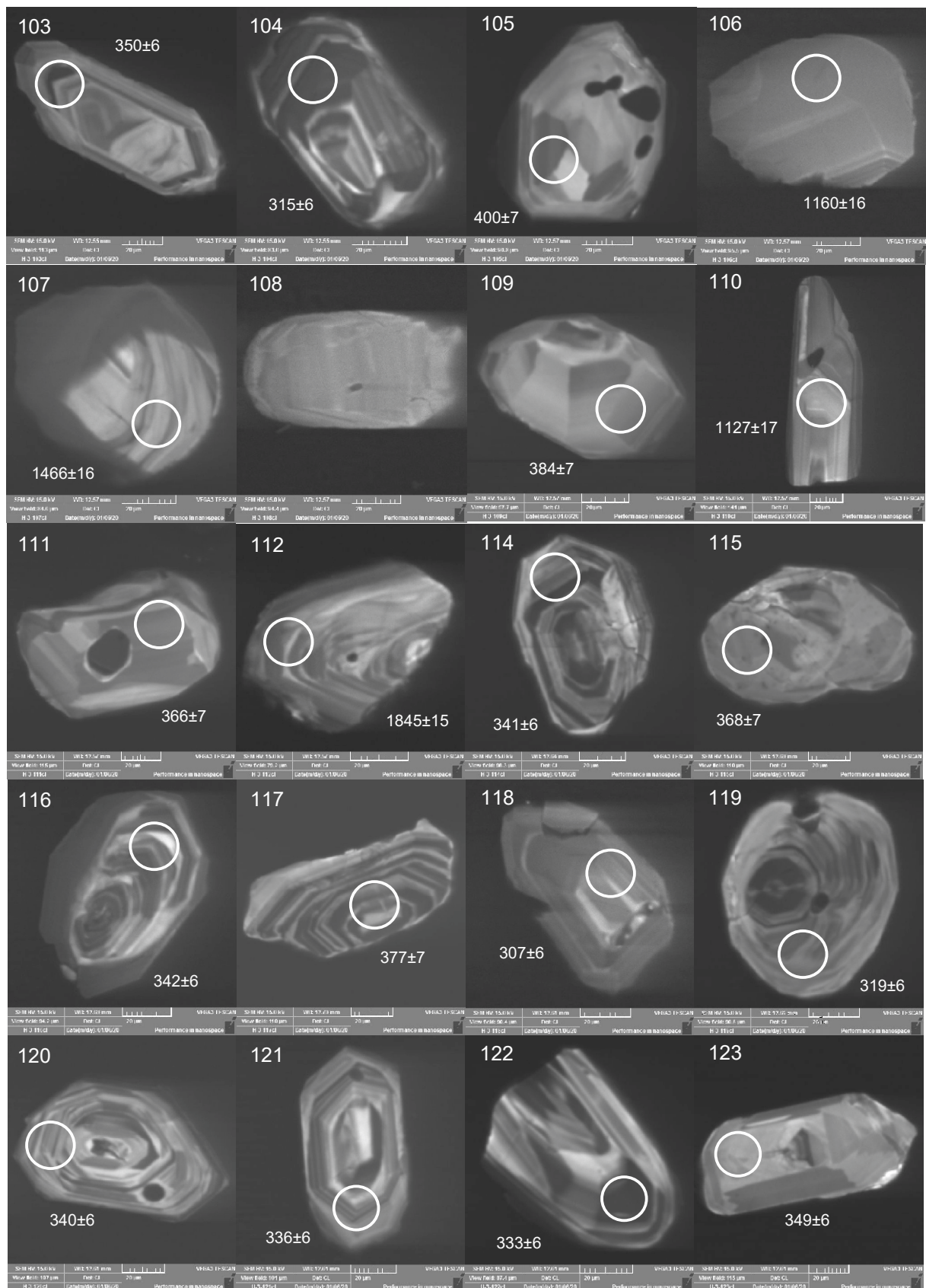


Таблица 1.9 (продолжение)
Table 1.9 (continued)

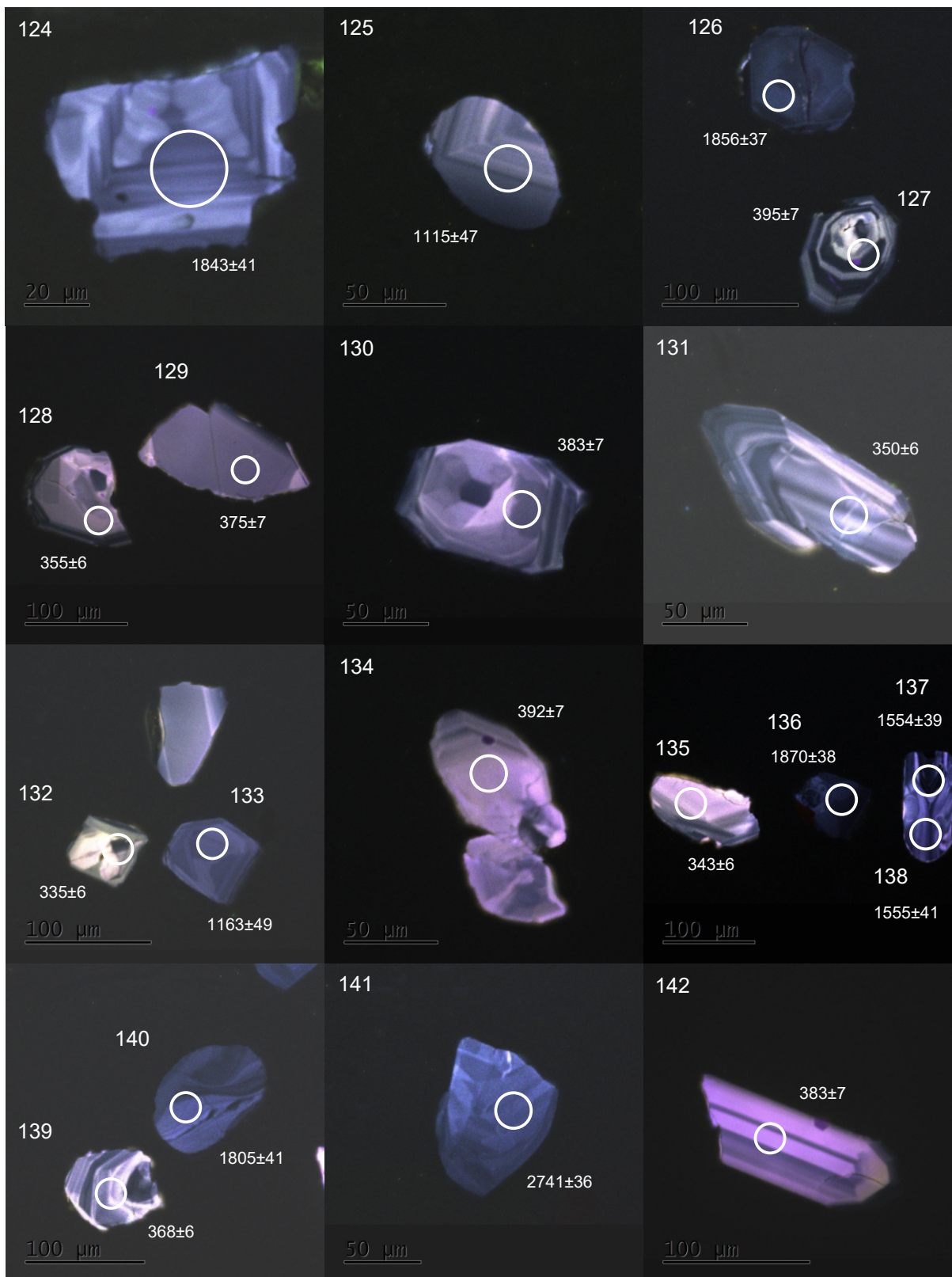


Таблица 1.9 (продолжение)
Table 1.9 (continued)

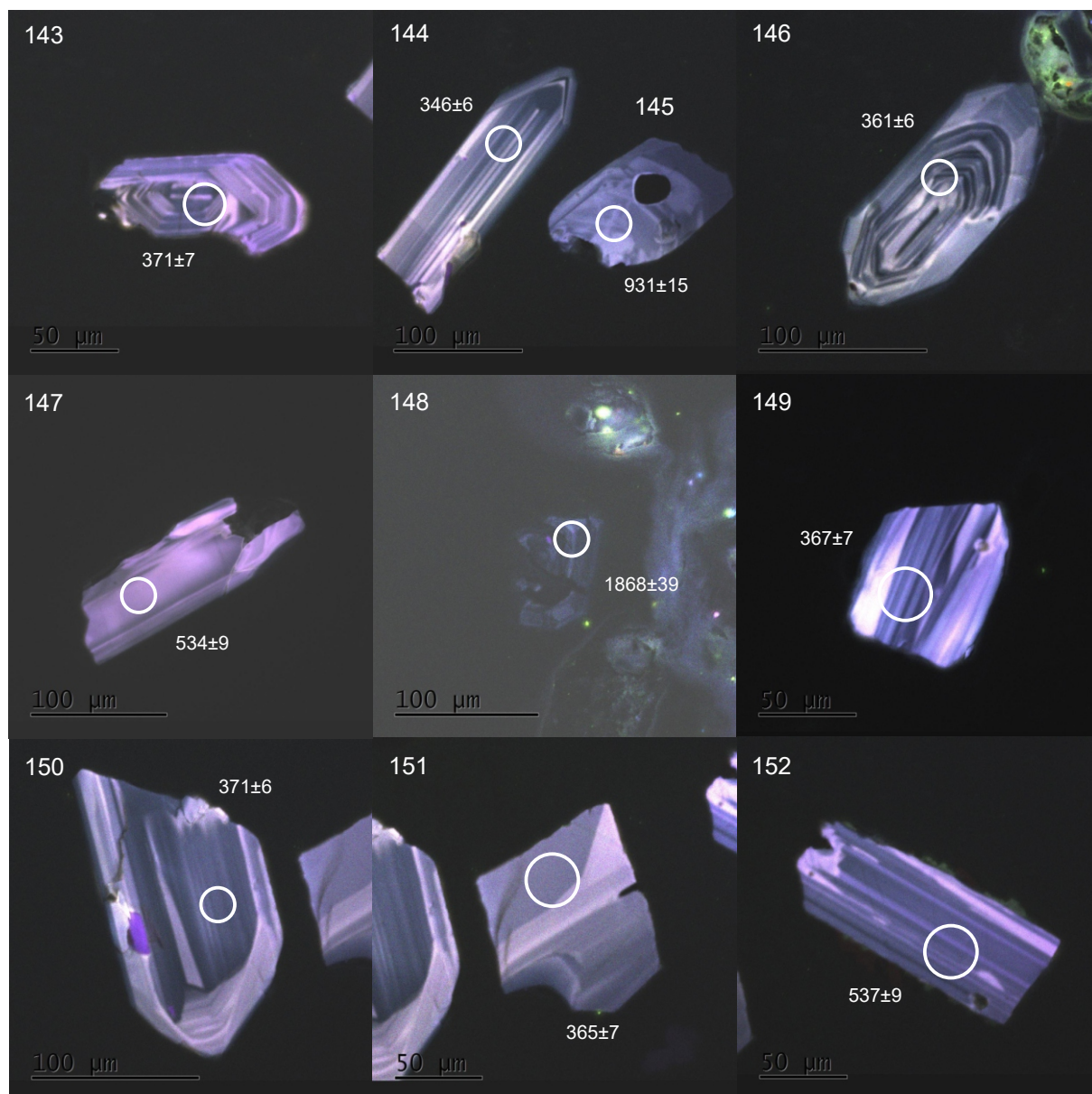


Таблица 1.10. CL-изображения и U-Pb возраст циркона из пробы К-4 (Клыково, триас)
Table 1.10. CL images of analysed zircon grains from the sample K-4 with the U-Pb LA-ICP-MS ages (Klykovo section, Triassic)

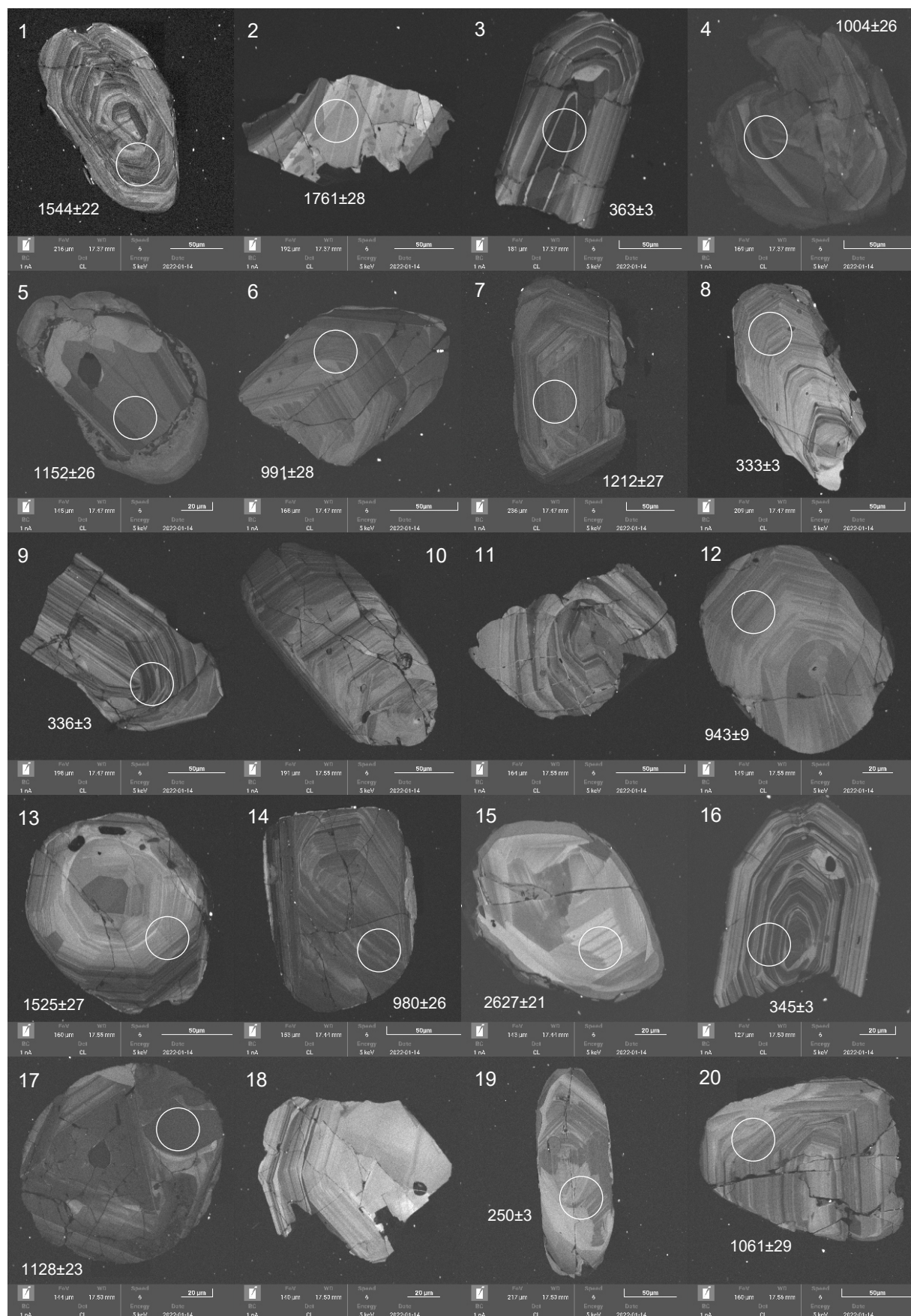


Таблица 1.10 (продолжение)
Table 1.10 (continued)

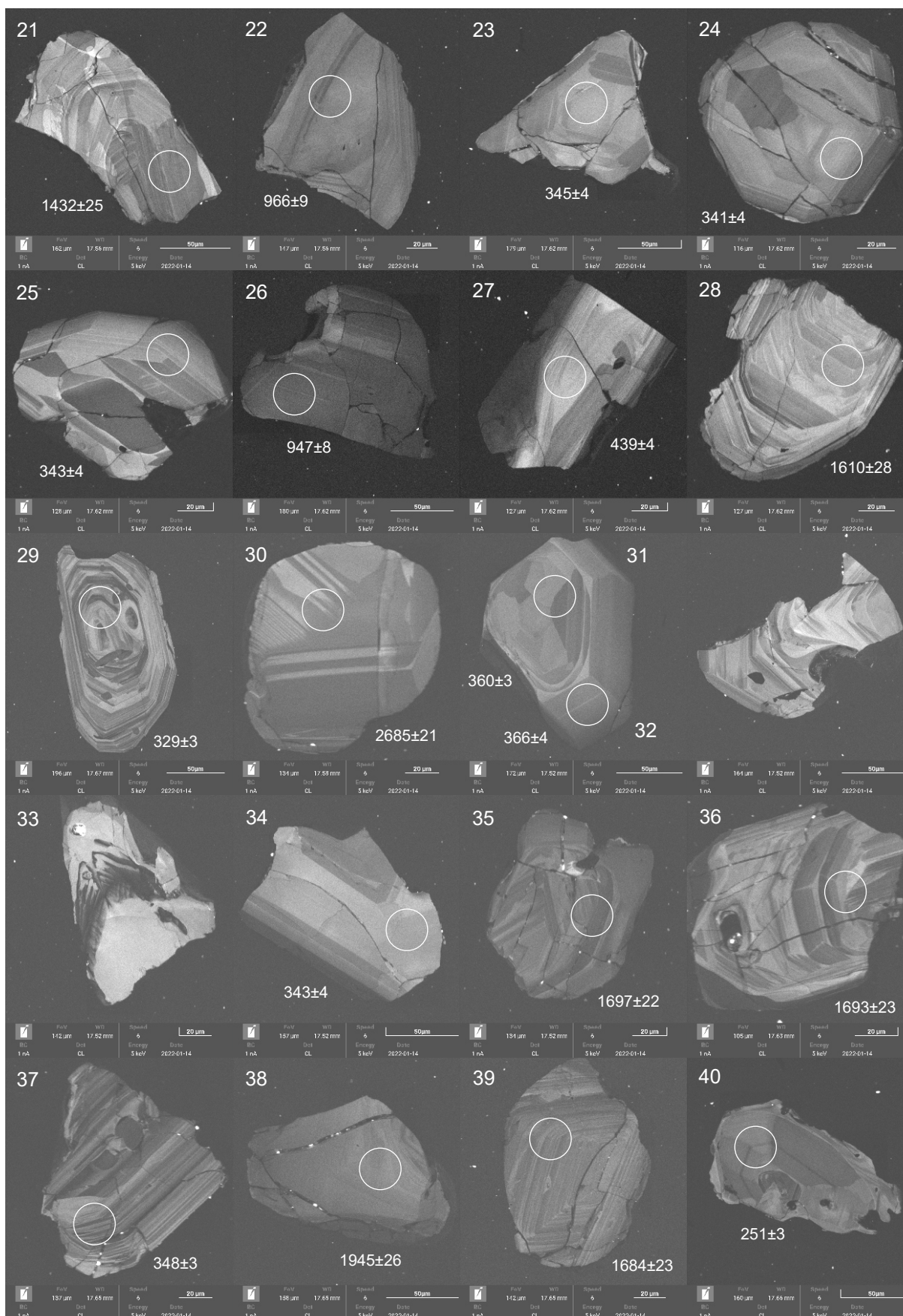


Таблица 1.10 (продолжение)
Table 1.10 (continued)

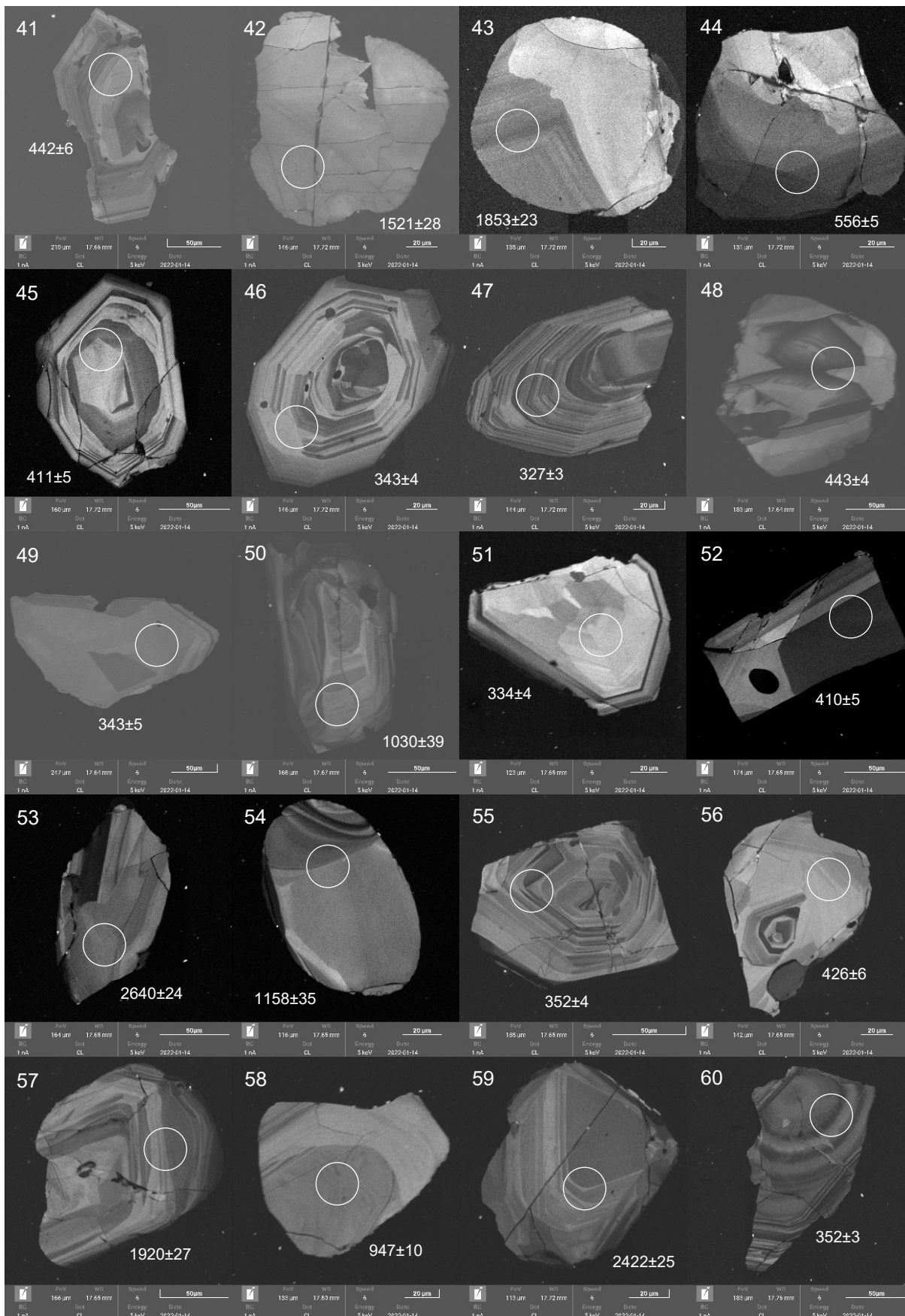


Таблица 1.10 (продолжение)
Table 1.10 (continued)

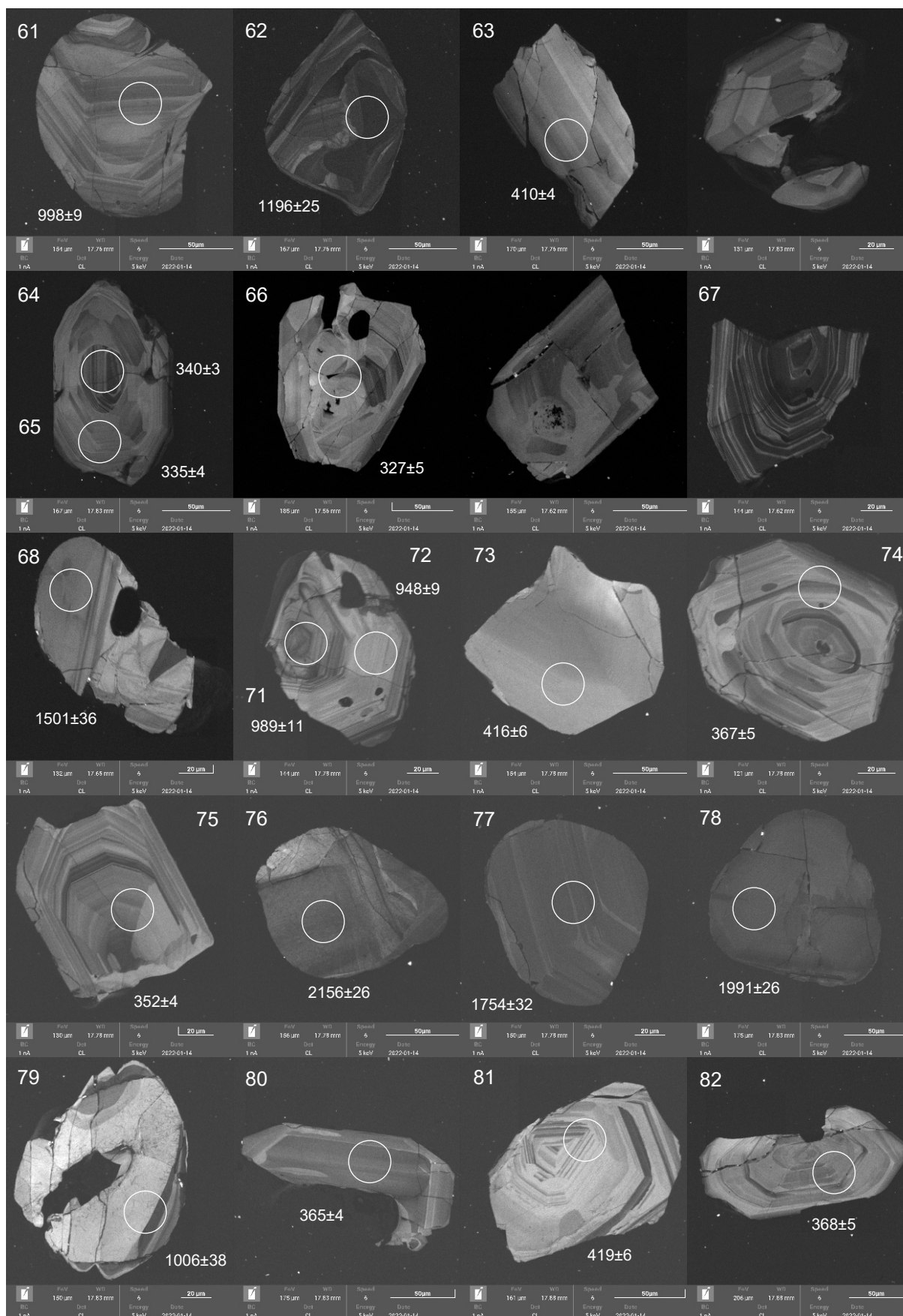


Таблица 1.10 (продолжение)
Table 1.10 (continued)

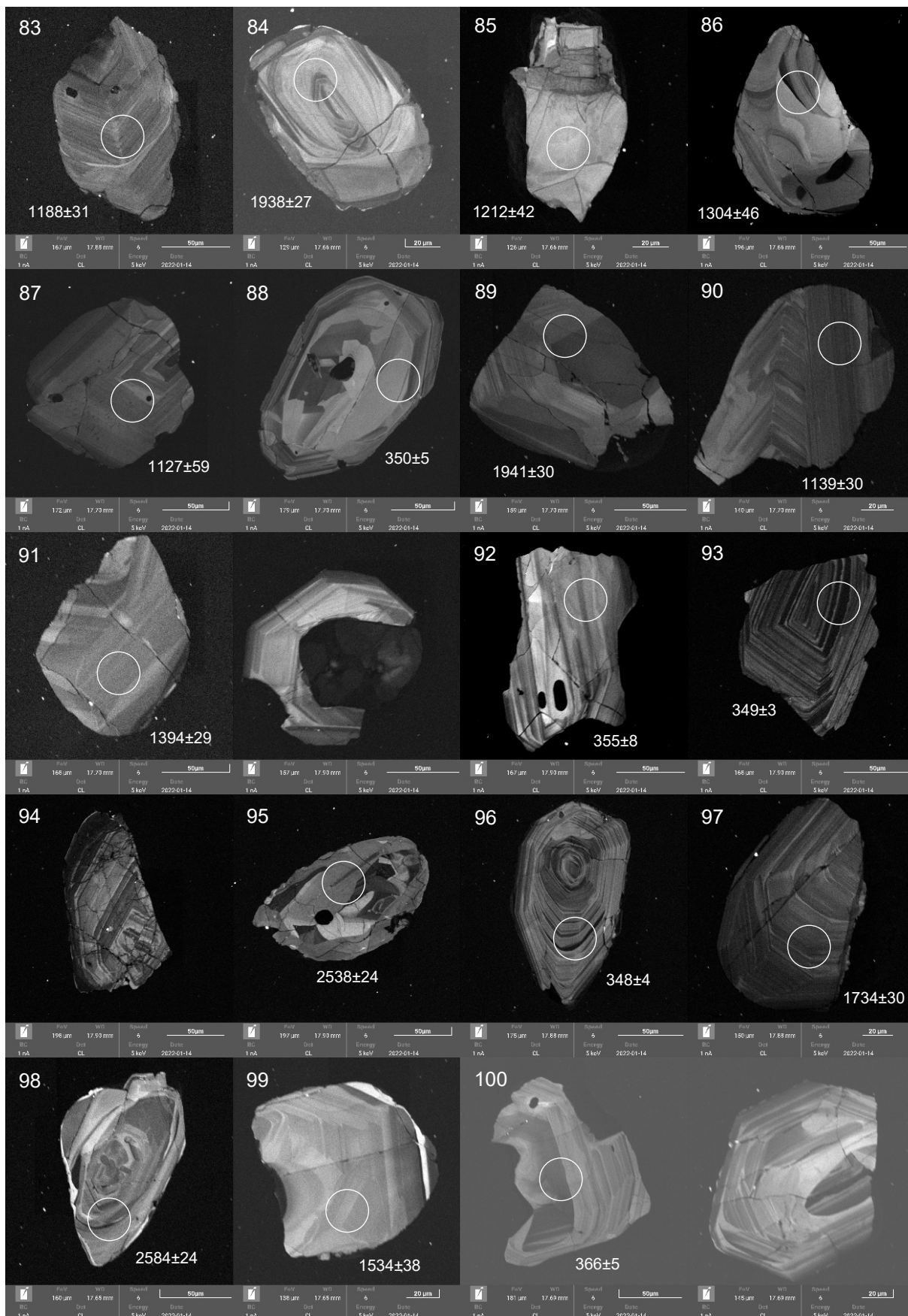


Таблица 1.10 (продолжение)
Table 1.10 (continued)

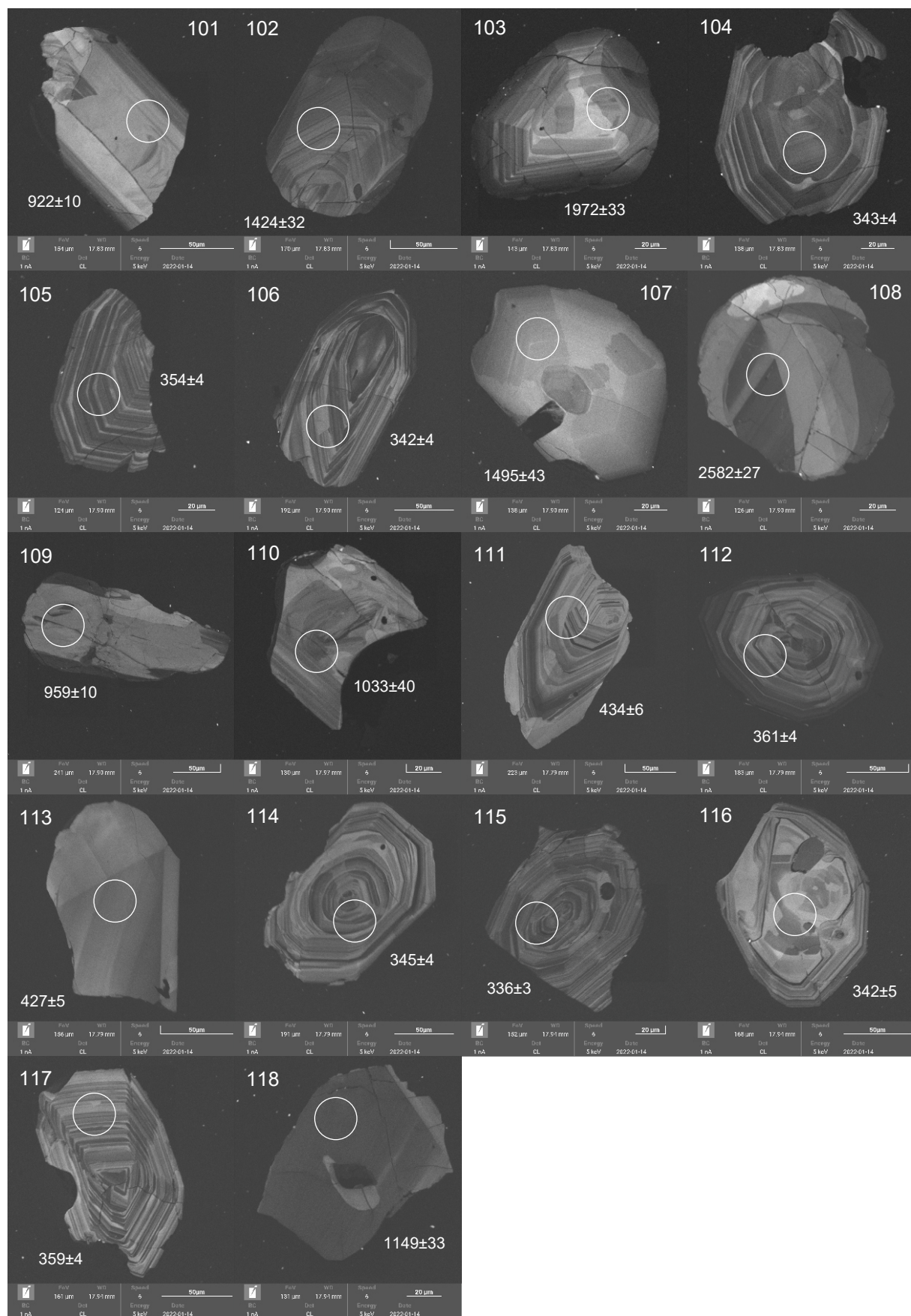


Таблица 1.11. CL-изображения и U-Pb возраст циркона из пробы К-5 (Клыково, пермь)
Table 1.11. CL images of analysed zircon grains from the sample K-5 with the U-Pb LA-ICP-MS ages (Klykovo section, Permian)

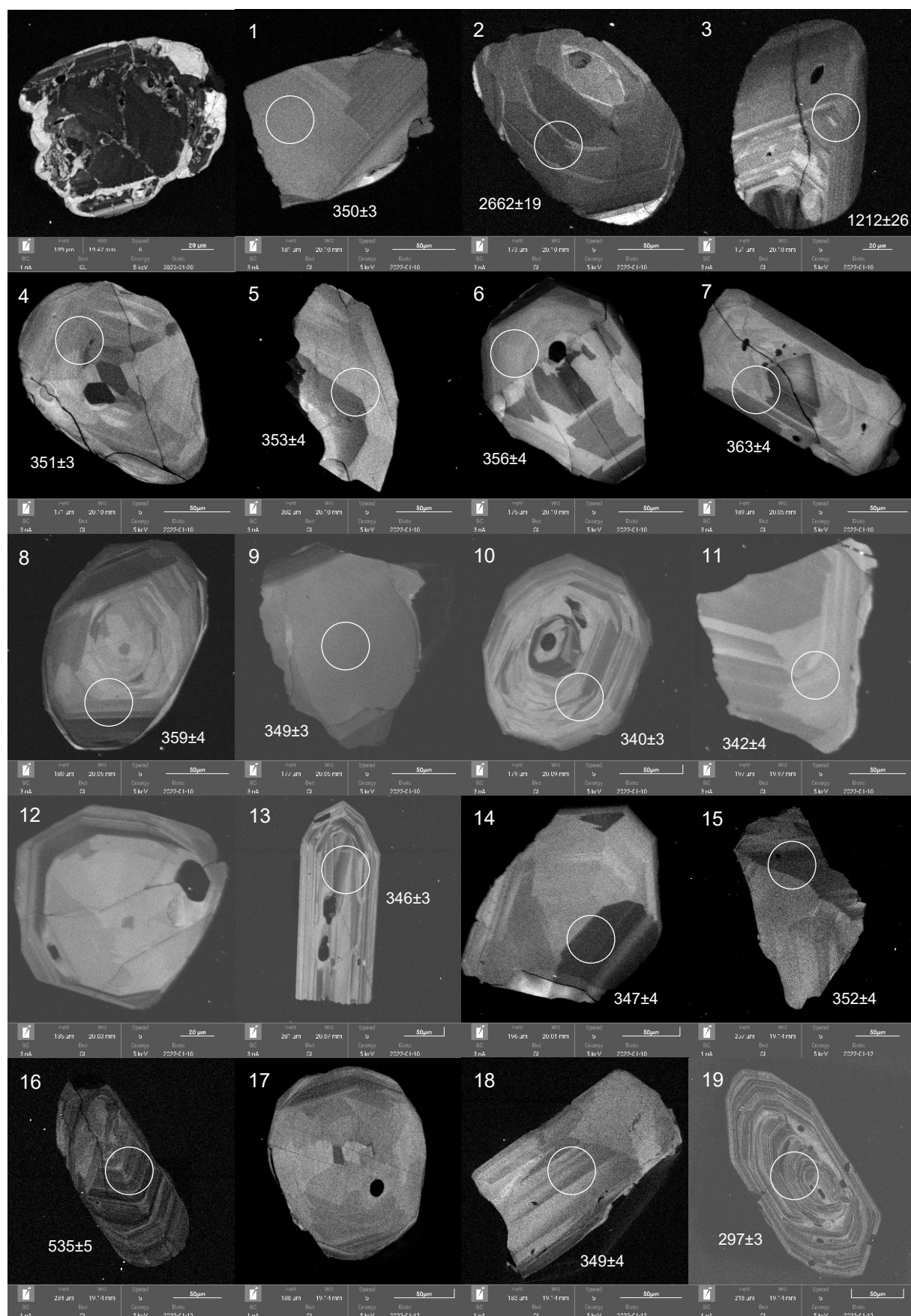


Таблица 1.11 (продолжение)
Table 1.11 (continued)

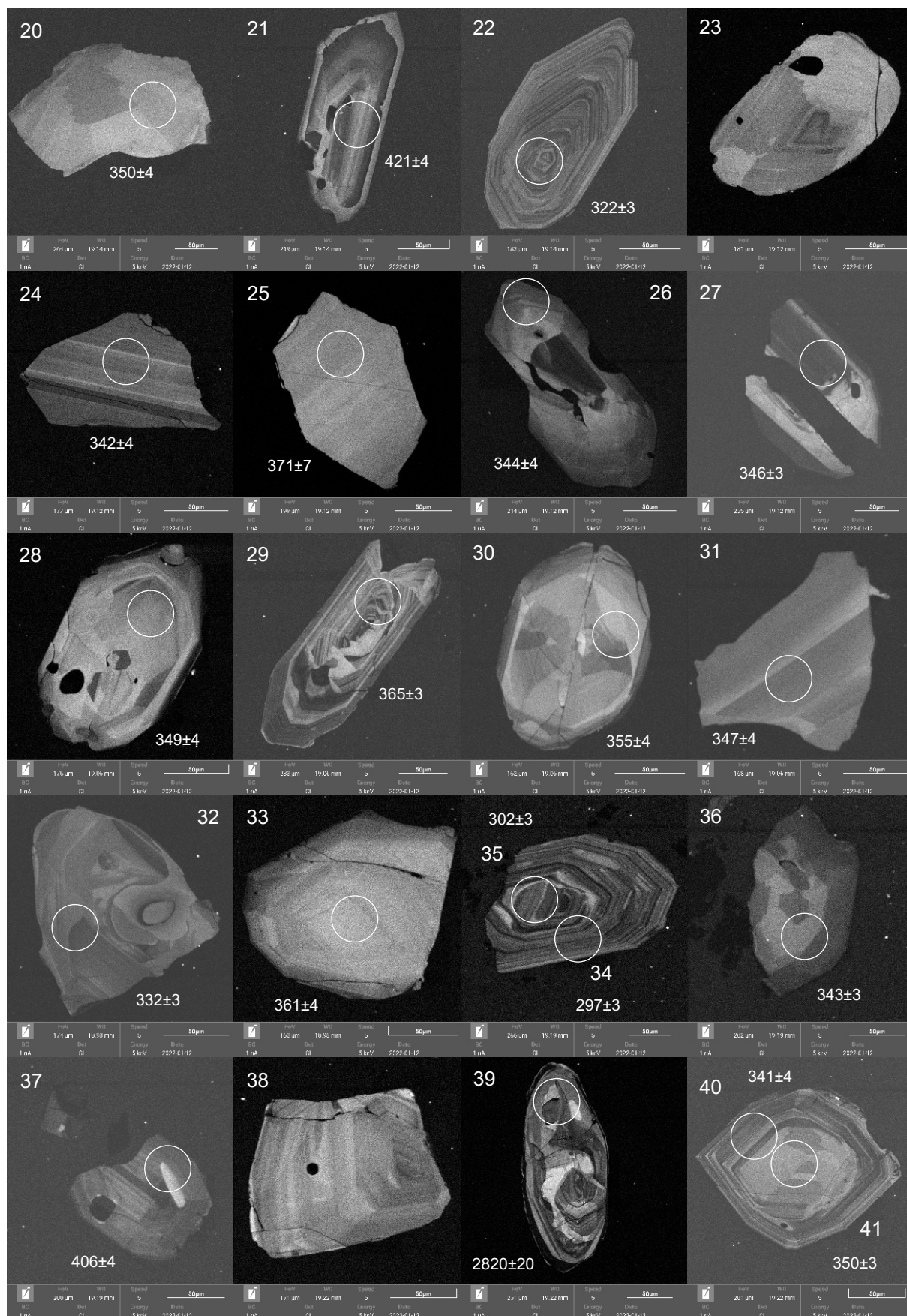


Таблица 1.11 (продолжение)
Table 1.11 (continued)

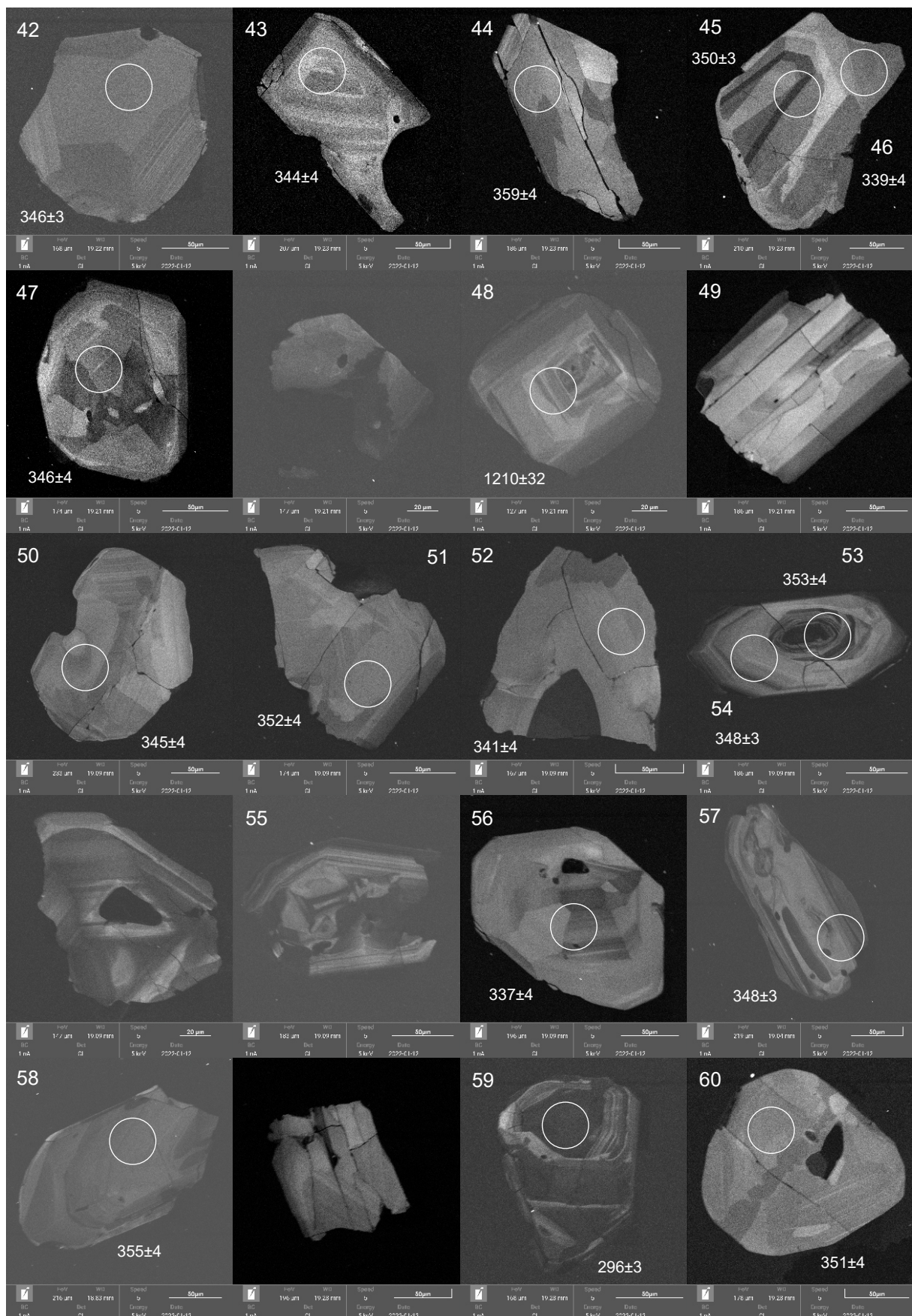


Таблица 1.11 (продолжение)
Table 1.11 (continued)

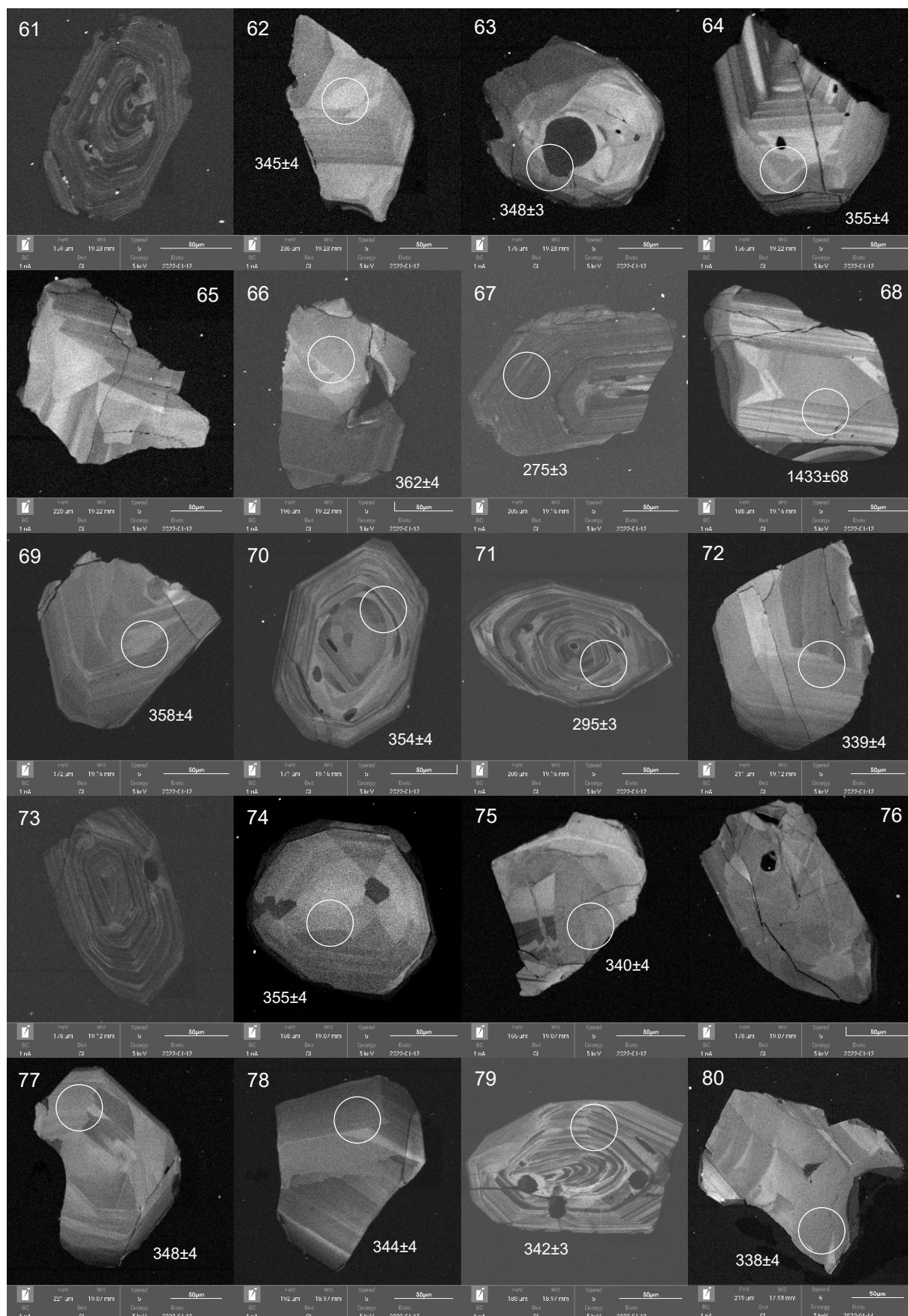


Таблица 1.11 (продолжение)
Table 1.11 (continued)

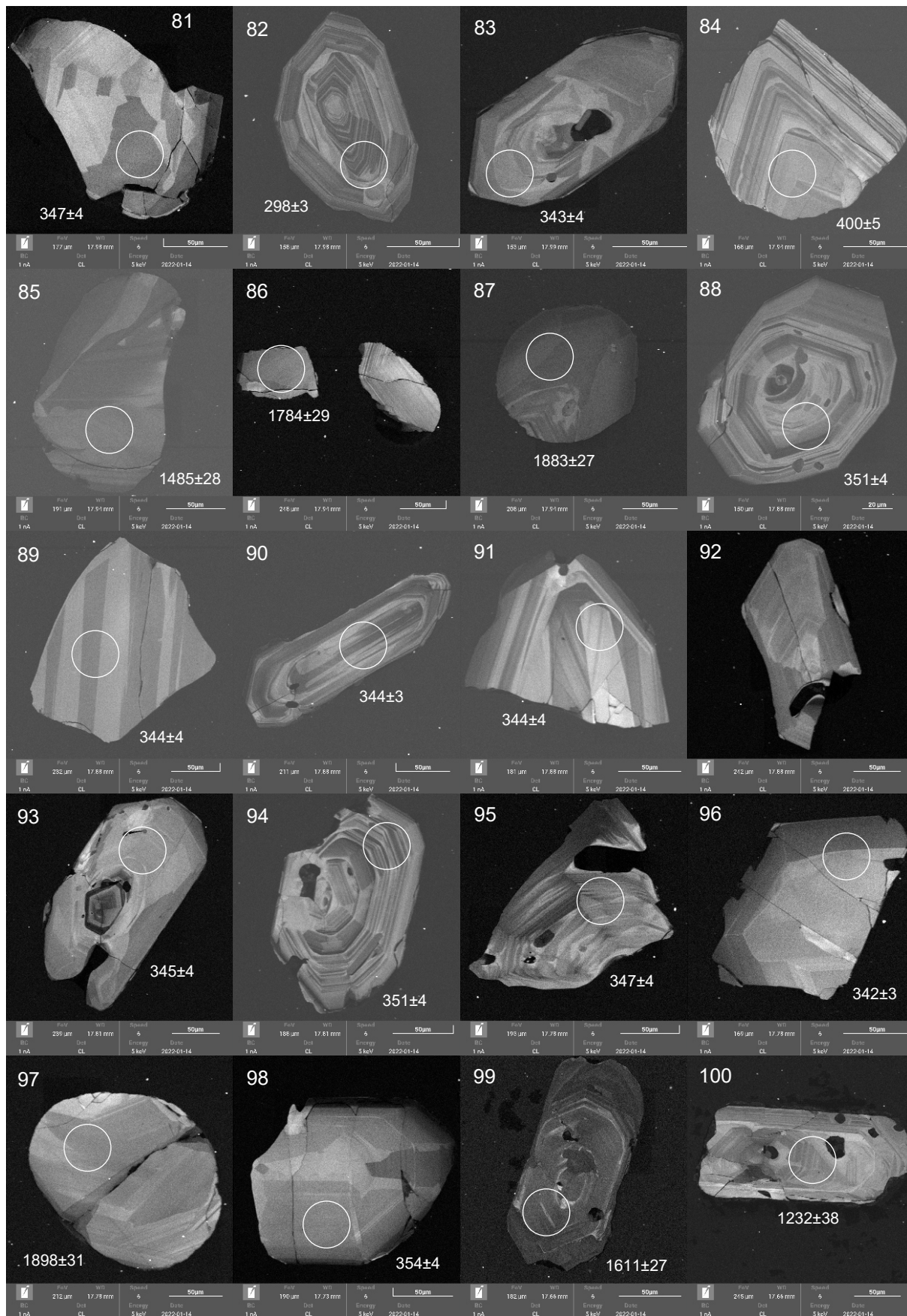


Таблица 1.11 (продолжение)
Table 1.11 (continued)

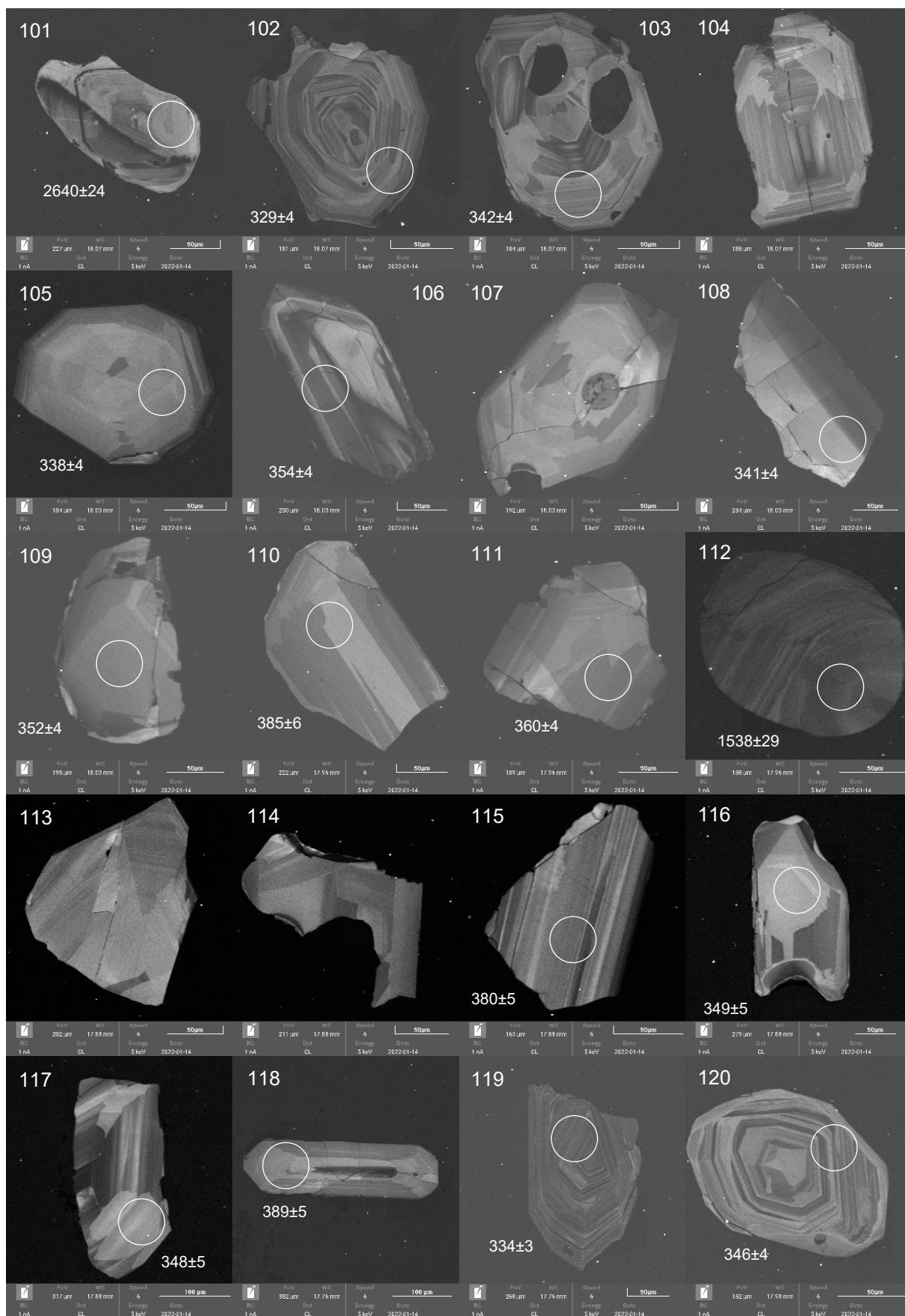


Таблица 1.11 (продолжение)
Table 1.11 (continued)

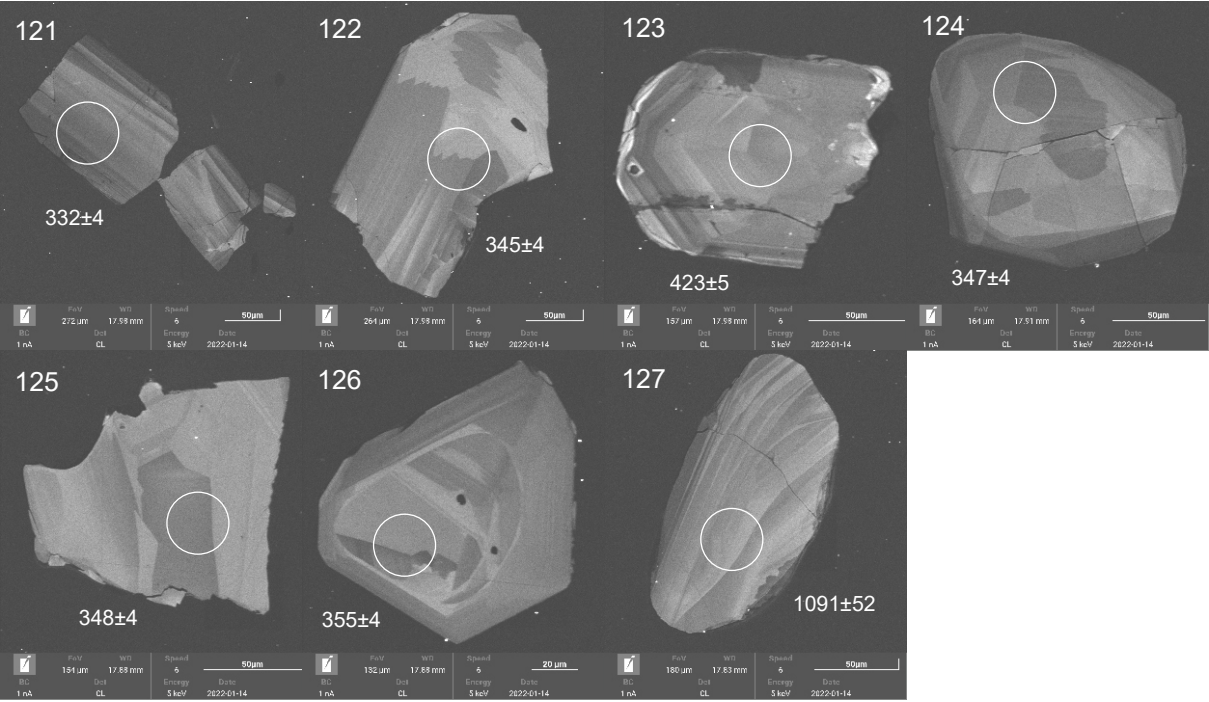


Таблица 1.12. CL-изображения и U-Pb возраста циркона из пробы Б-3 (Балебиха, триас)
Table 1.12. CL images of analysed zircon grains from the sample Б-3 with the U-Pb LA-ICP-MS ages
 (Balebikha section, Triassic)

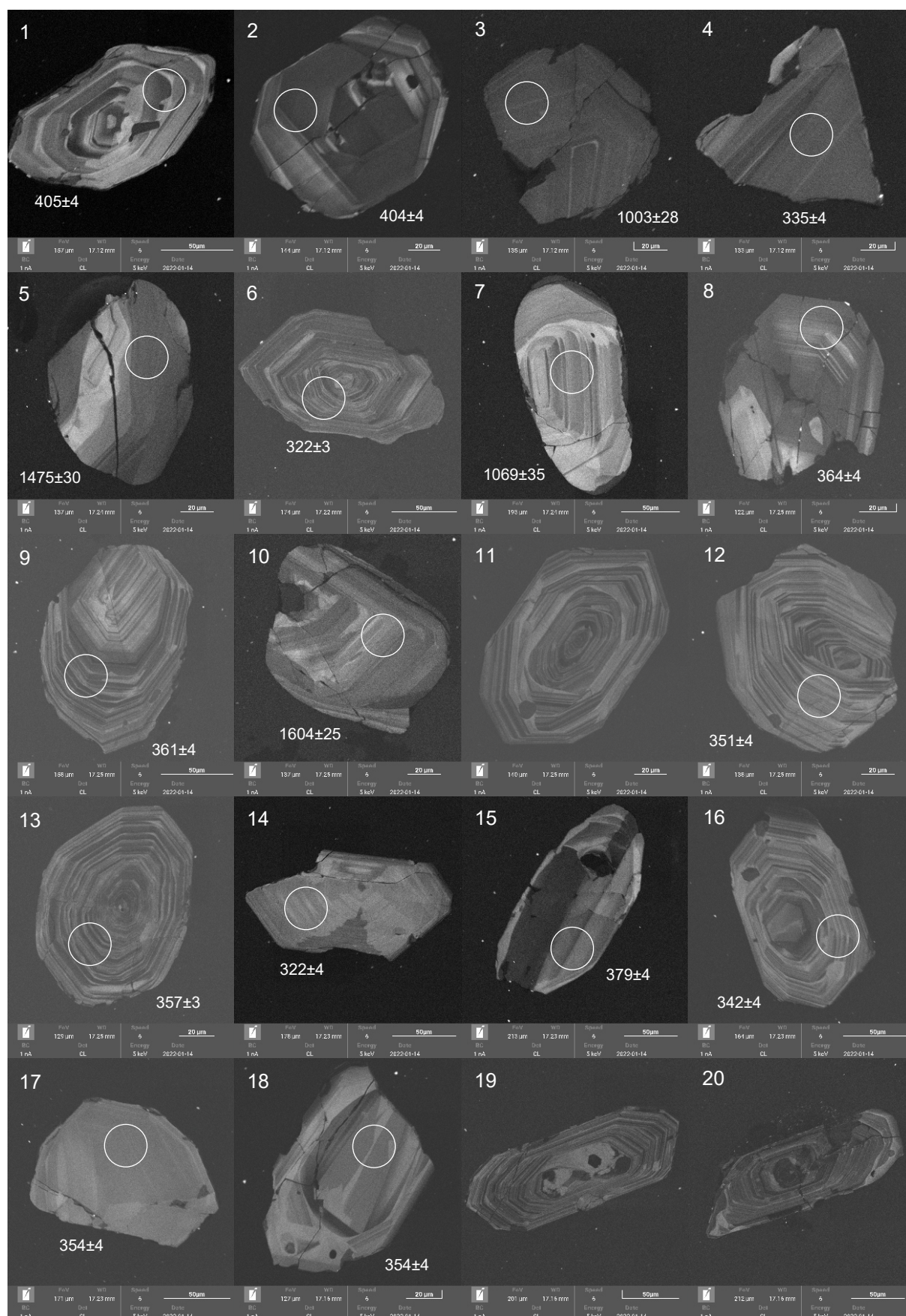


Таблица 1.12 (продолжение)
Table 1.12 (continued)

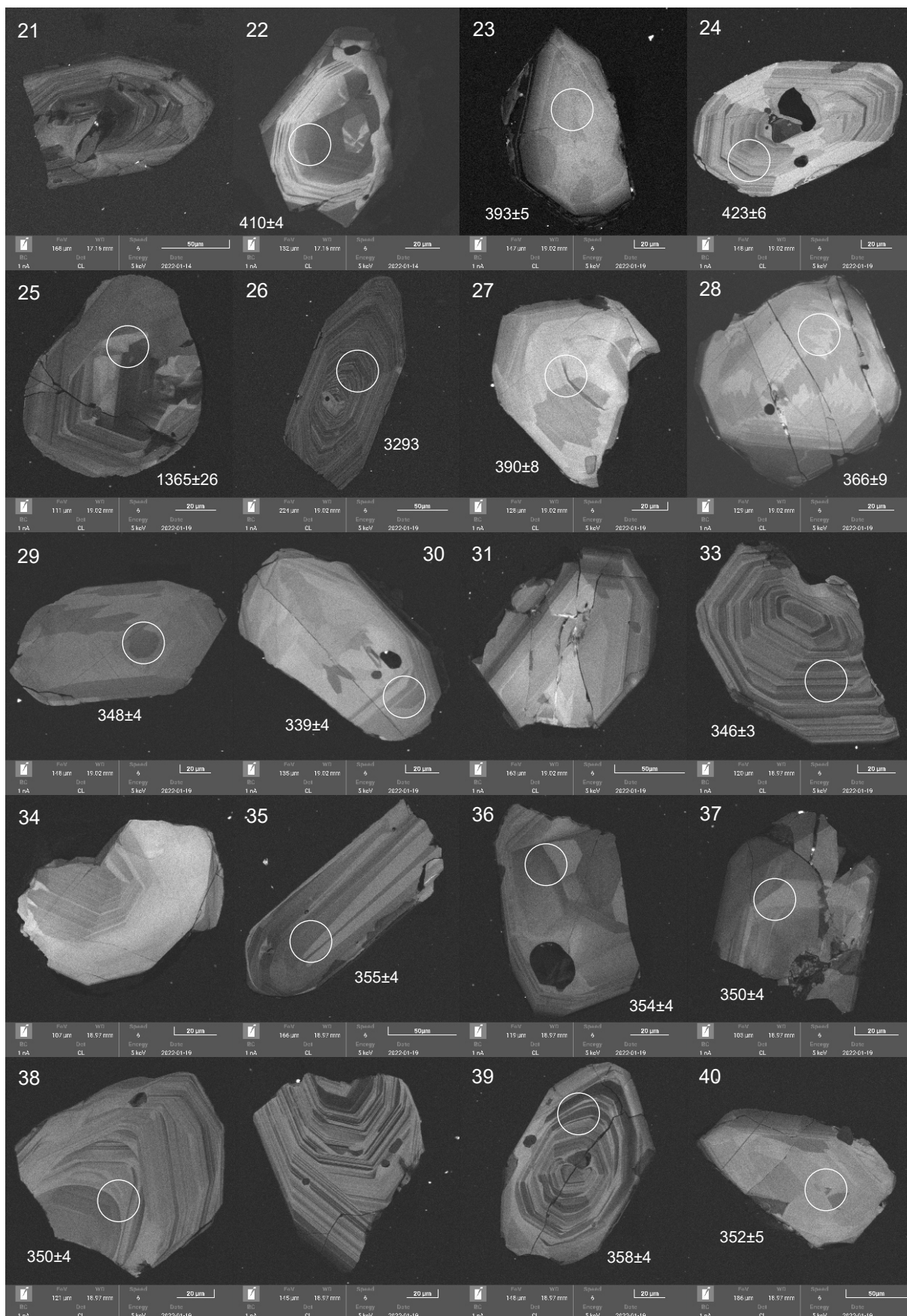


Таблица 1.12 (продолжение)
Table 1.12 (continued)

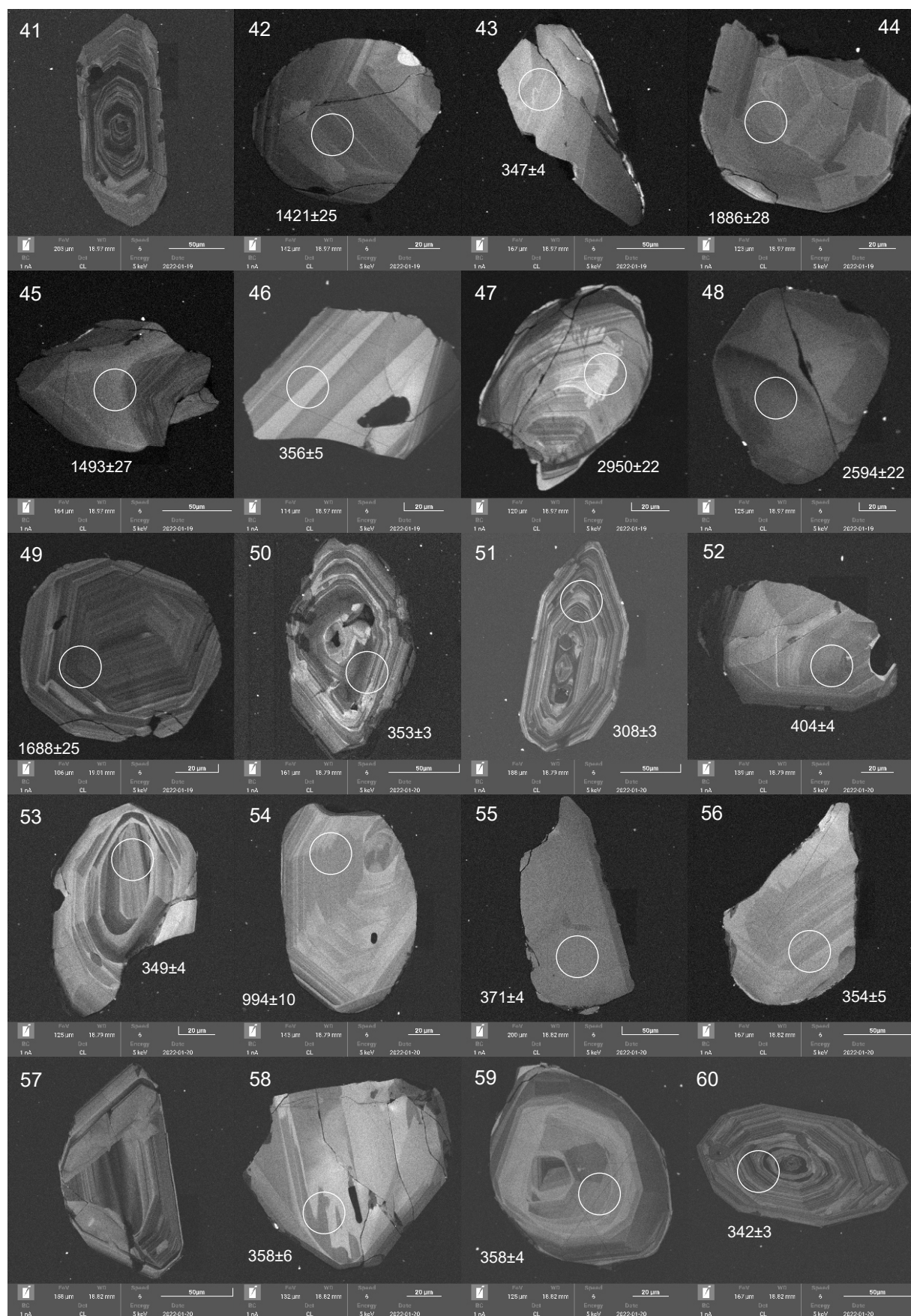


Таблица 1.12 (продолжение)
Table 1.12 (continued)

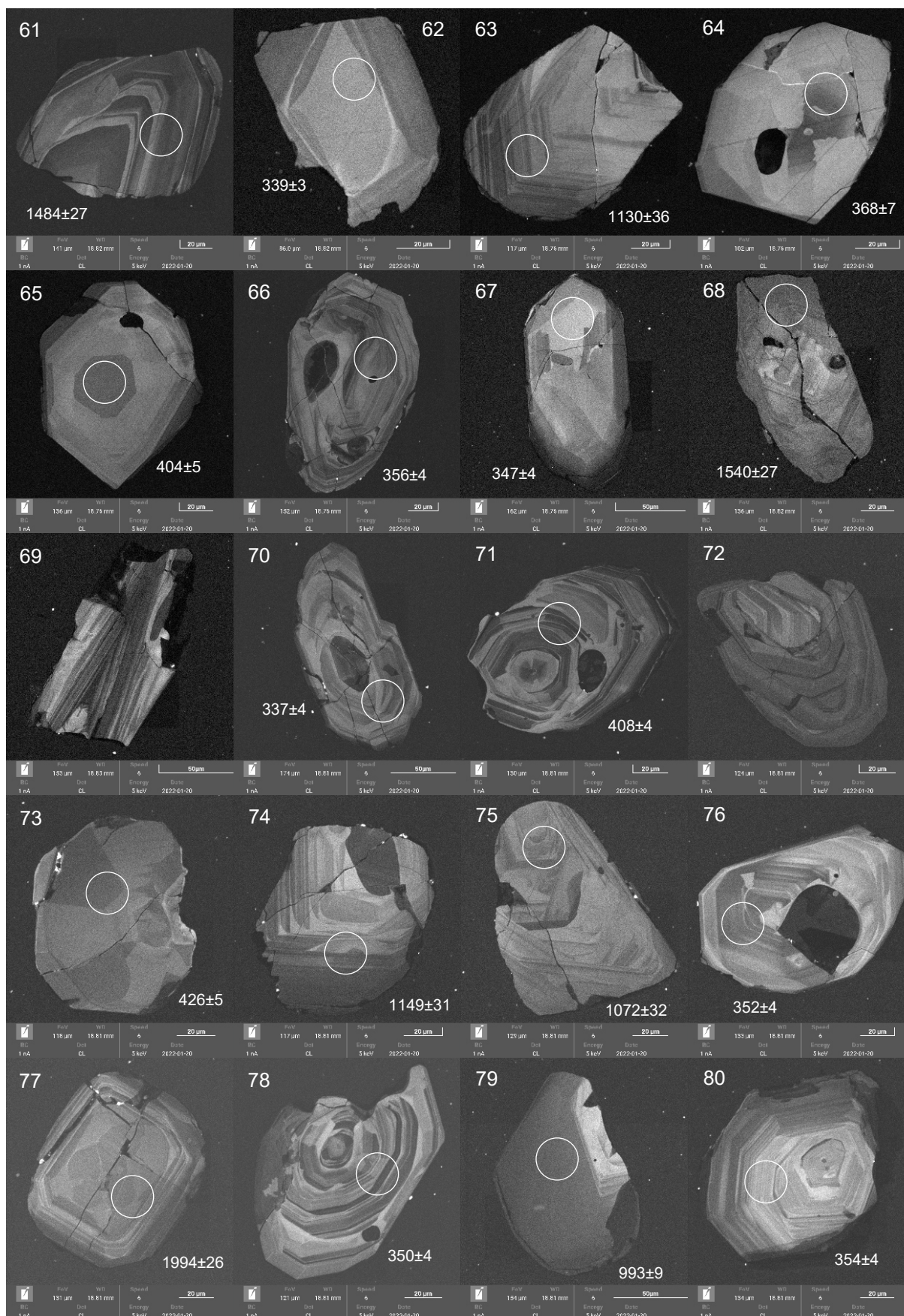


Таблица 1.12 (продолжение)
Table 1.12 (continued)

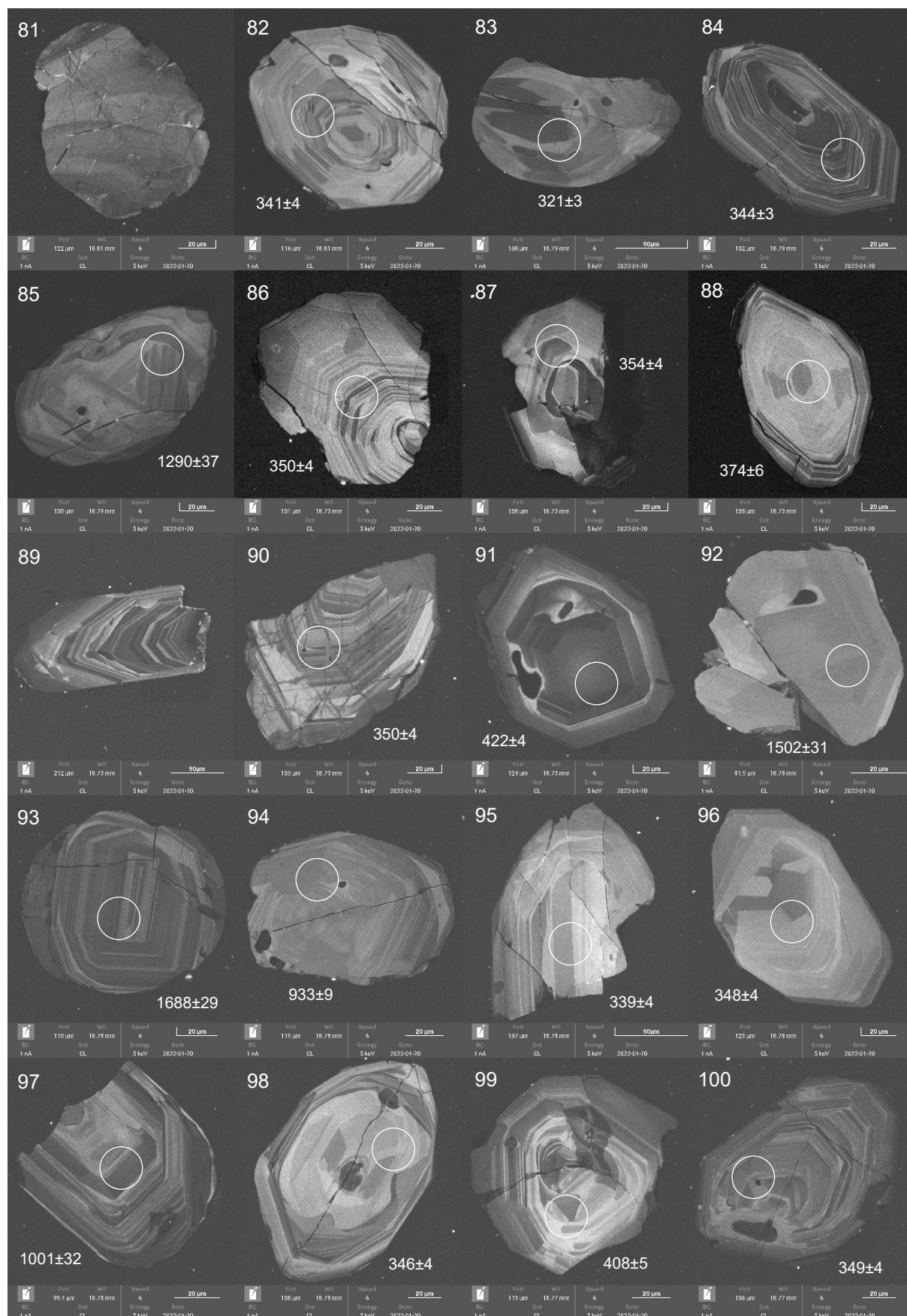


Таблица 1.12 (продолжение)
Table 1.12 (continued)

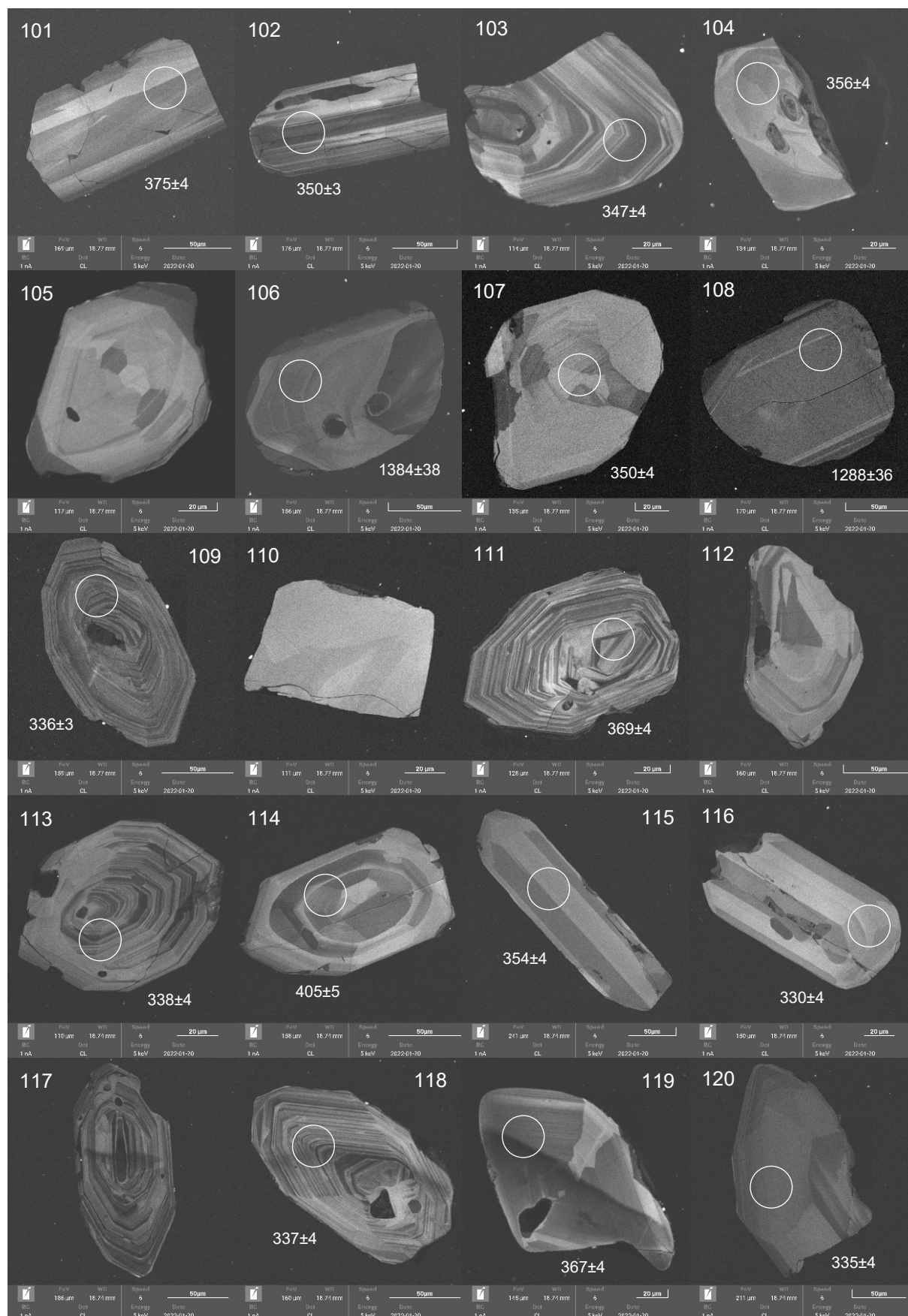


Таблица 1.12 (продолжение)
Table 1.12 (continued)

