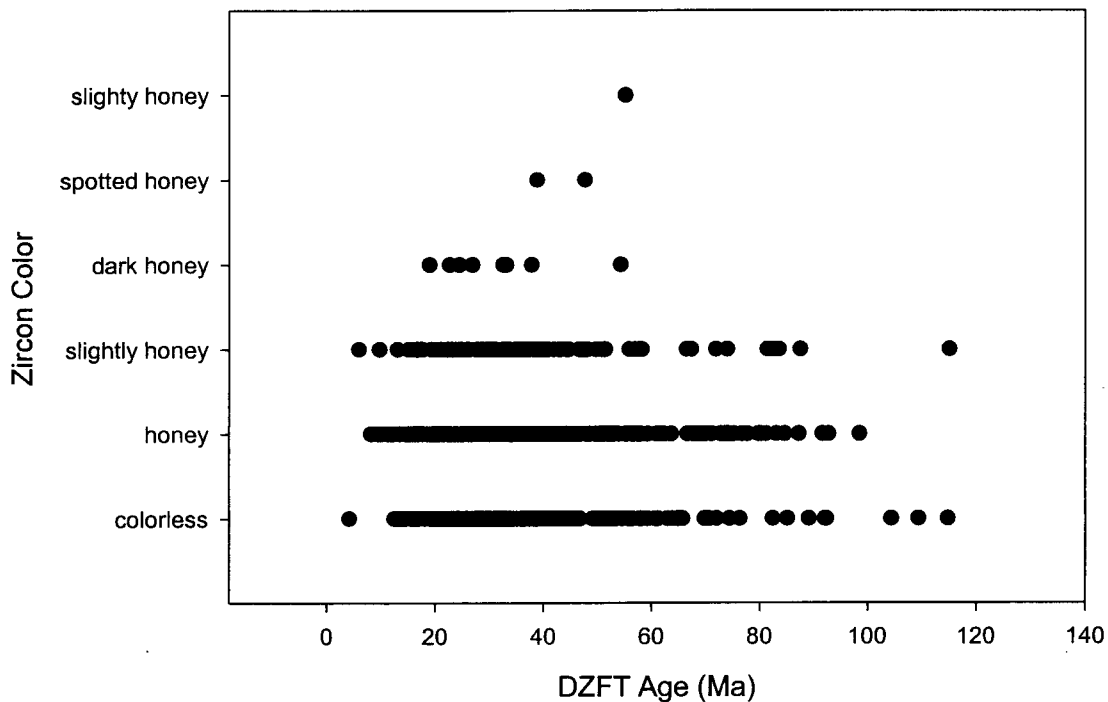


Appendix E

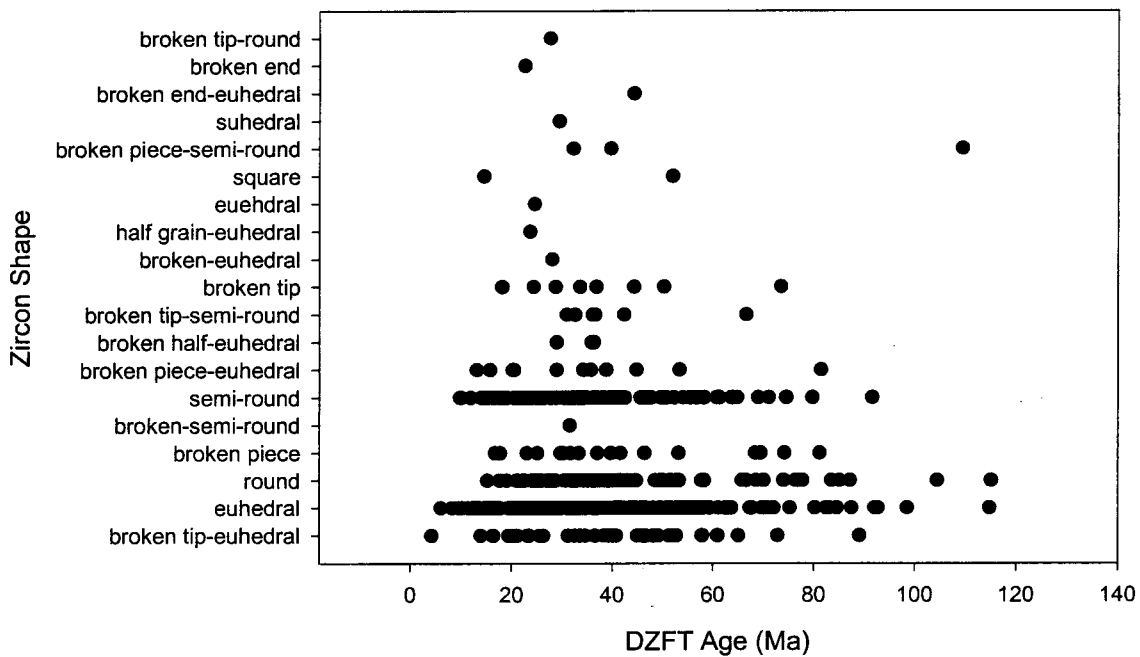
Digital photographs taken of individual zircon grains for the double-dating procedure

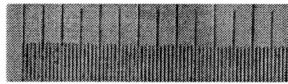
1. 05-01a
2. 05-01b
3. 05-04a
4. 05-04b
5. 05-07a
6. 05-07b
7. 05-10a
8. 05-10b
9. 05-11a
10. 05-11b
11. 05-13a
12. 05-13b

Zircon Grain Age versus Color

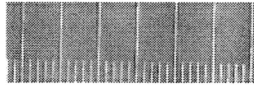


Zircon Grain Age versus Shape

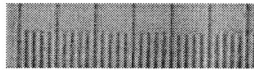




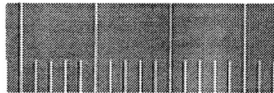
0.01mm at 50x (1 mark = 10 microns)



0.01mm at 100x (1 mark = 10 microns)



0.01mm at 125x (1 mark = 10 microns)



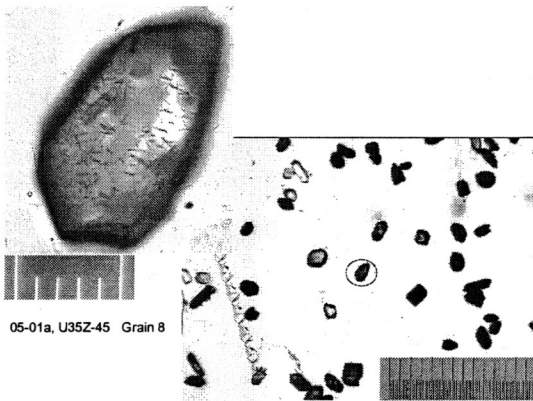
0.01mm at 200x (1 mark = 10 microns)



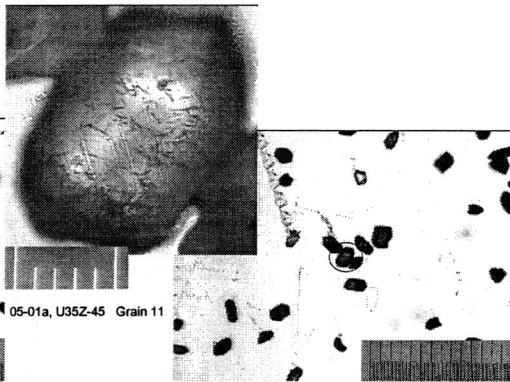
0.01mm at 500x (1 mark = 10 microns)



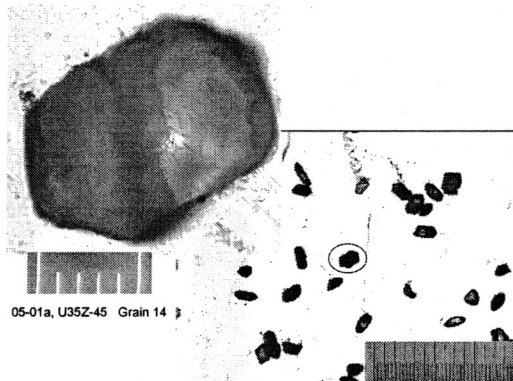
0.01mm at 1000x



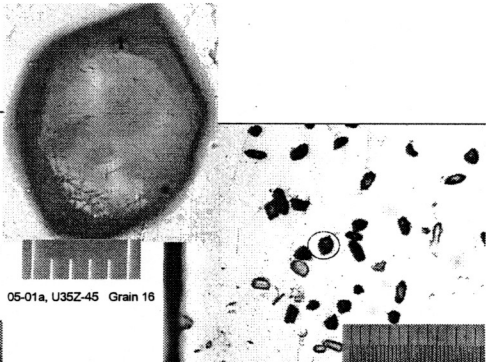
05-01a, U35Z-45 Grain 8



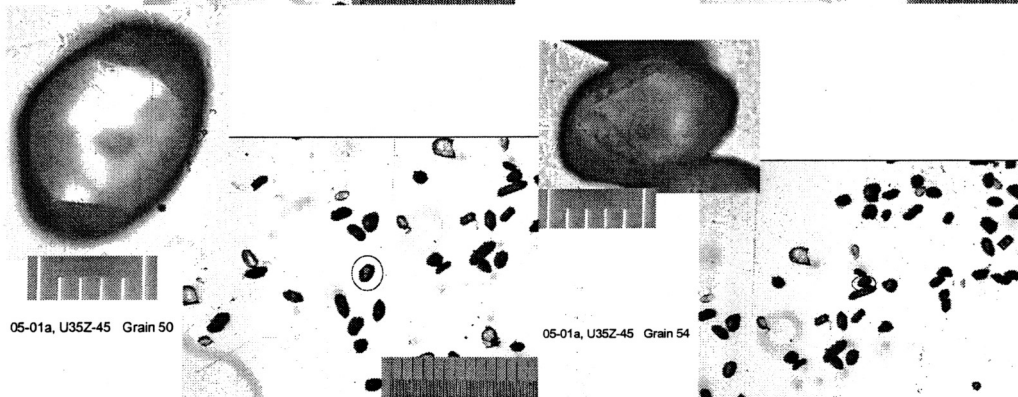
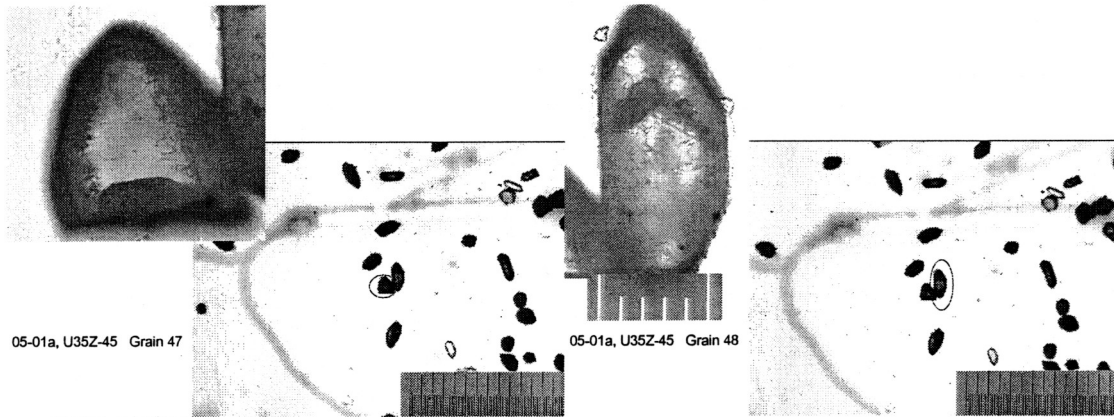
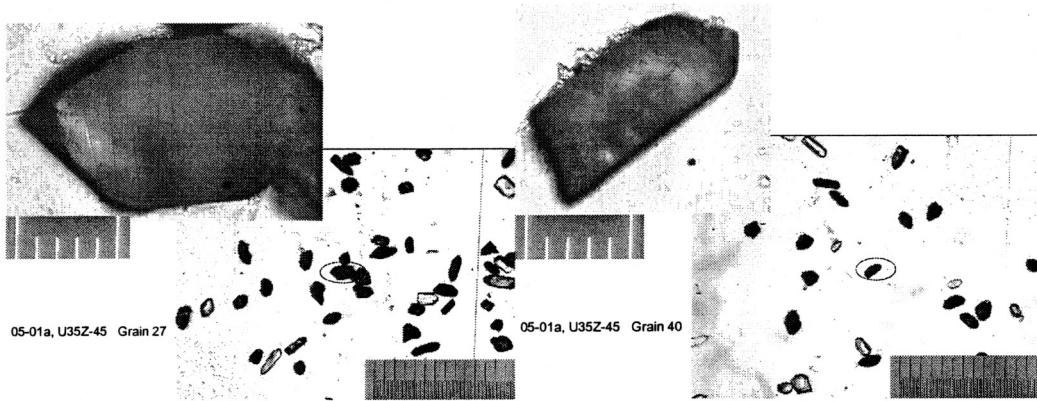
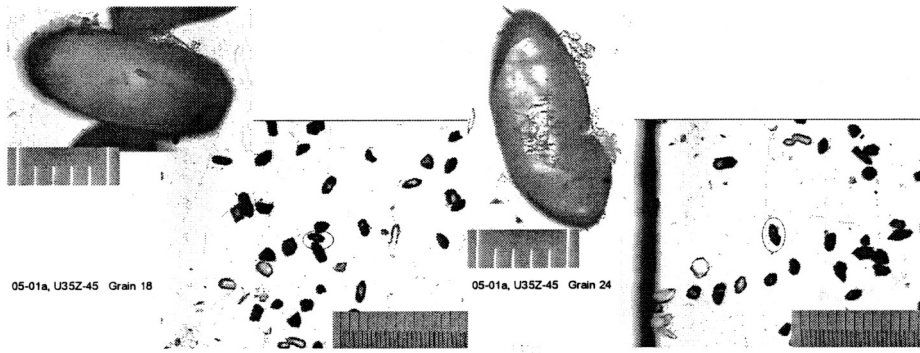
05-01a, U35Z-45 Grain 11

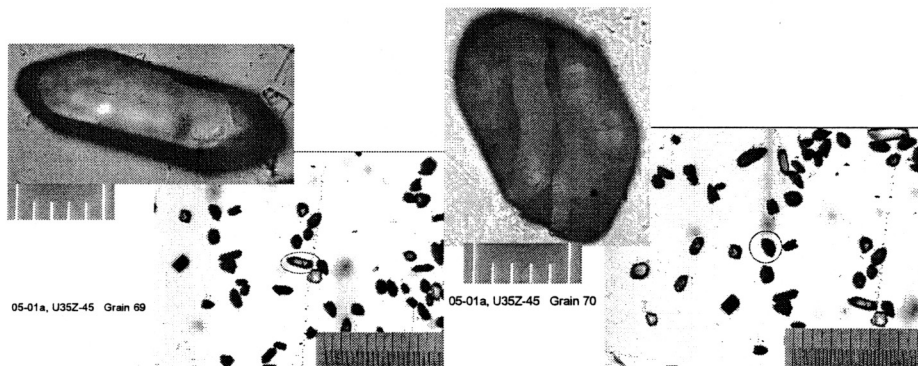
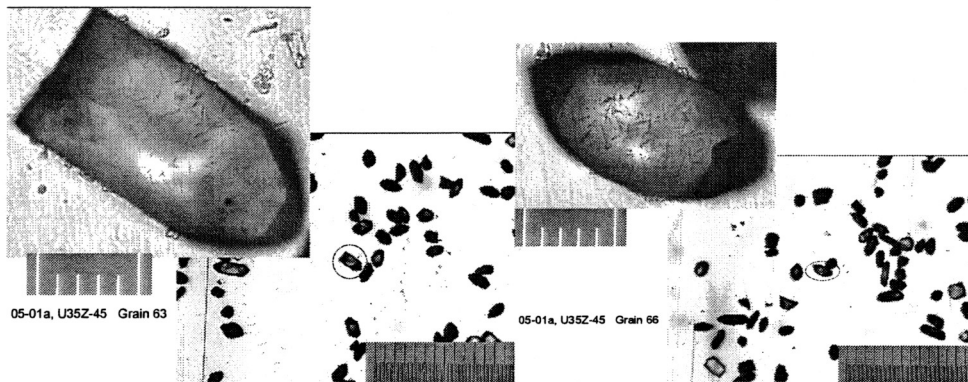
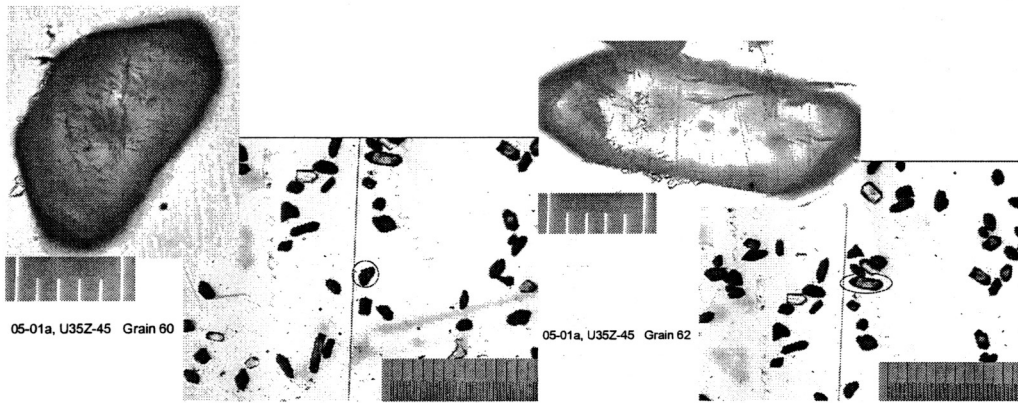
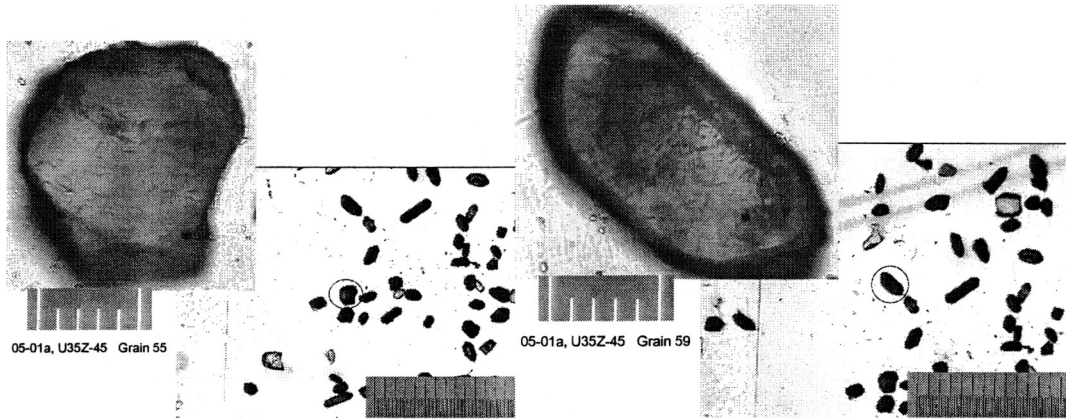


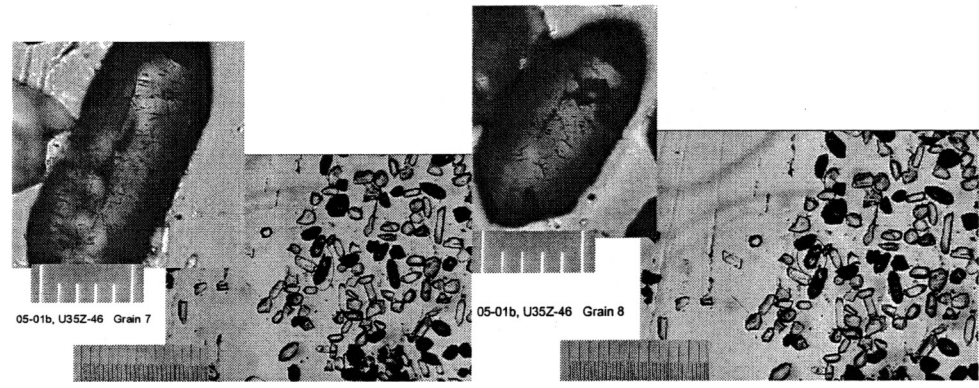
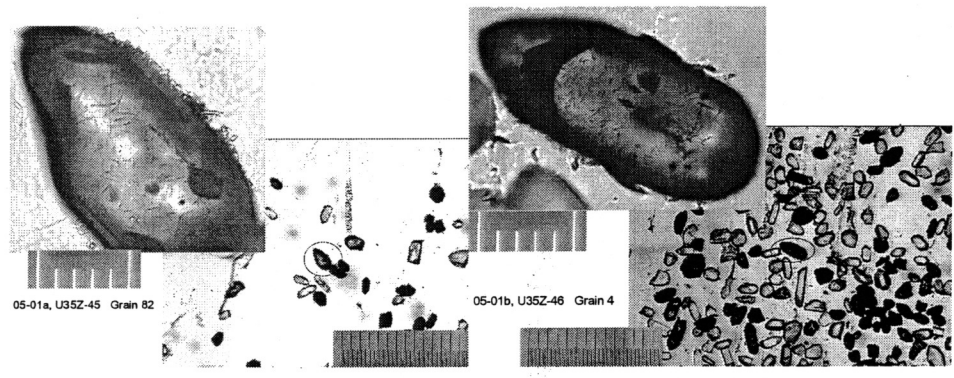
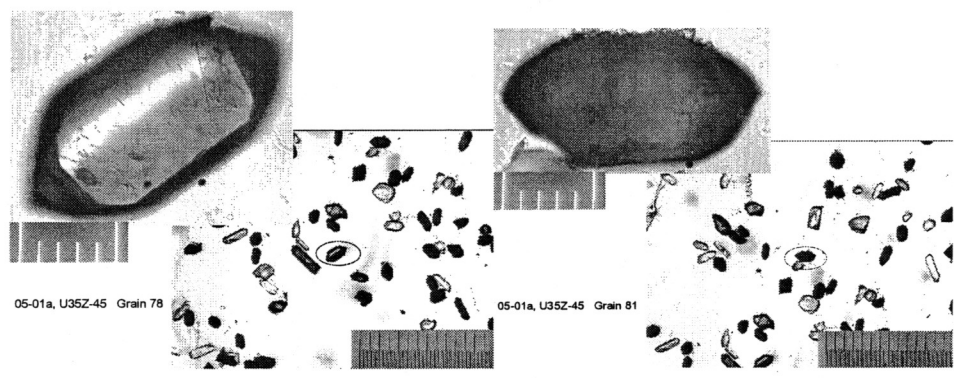
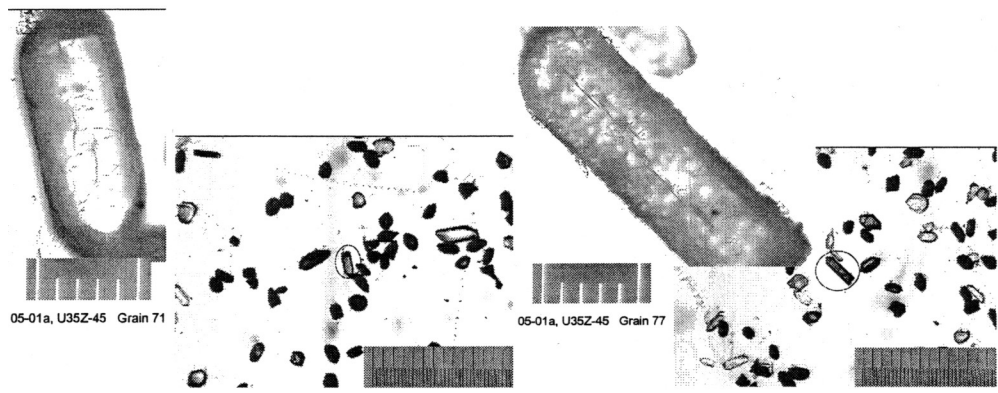
05-01a, U35Z-45 Grain 14

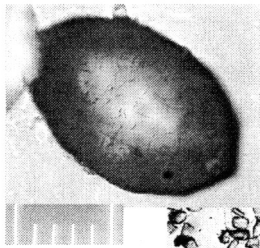


05-01a, U35Z-45 Grain 16

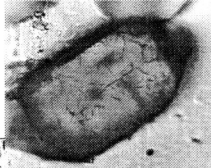
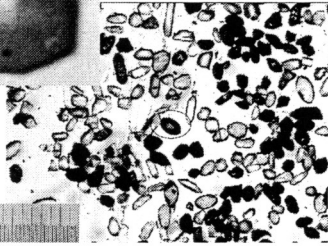




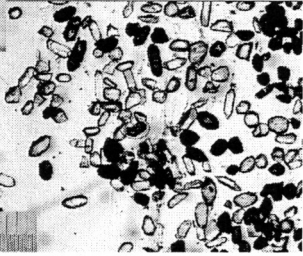




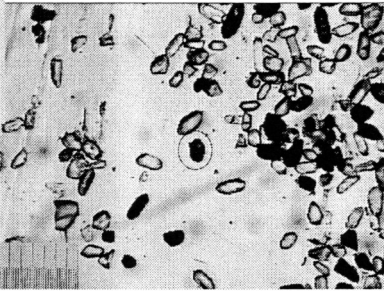
05-01b, U35Z-46 Grain 10



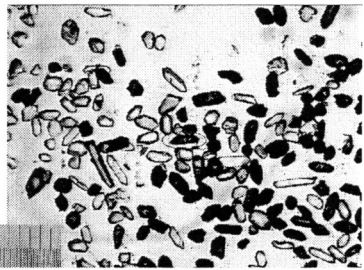
05-01b, U35Z-46 Grain 11



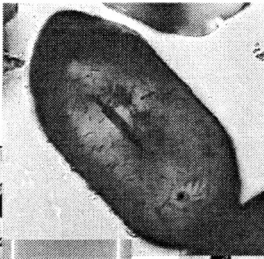
05-01b, U35Z-46 Grain 12



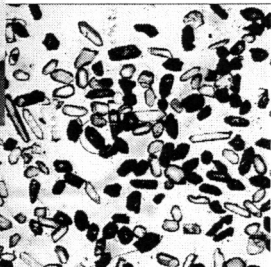
05-01b, U35Z-46 Grain 21



05-01b, U35Z-46 Grain 23



05-01b, U35Z-46 Grain 24

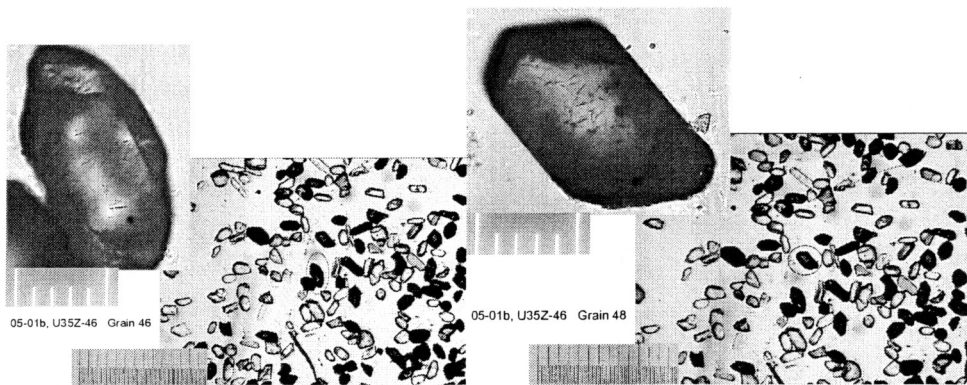
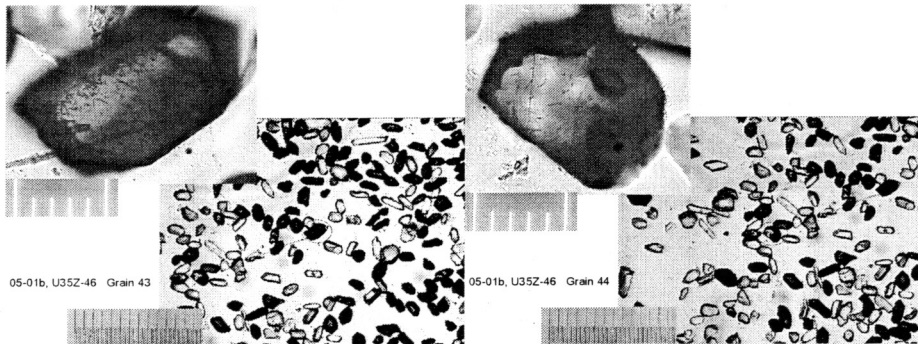
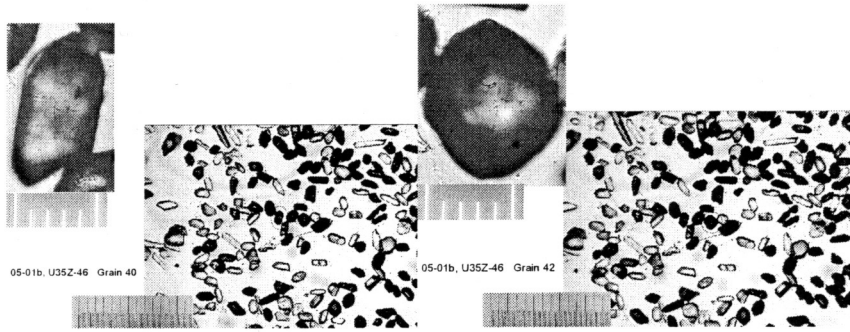
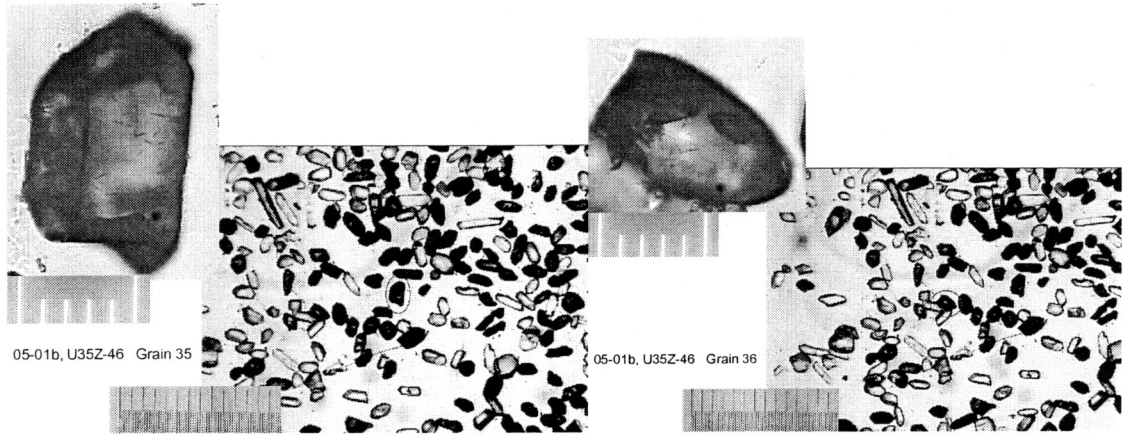


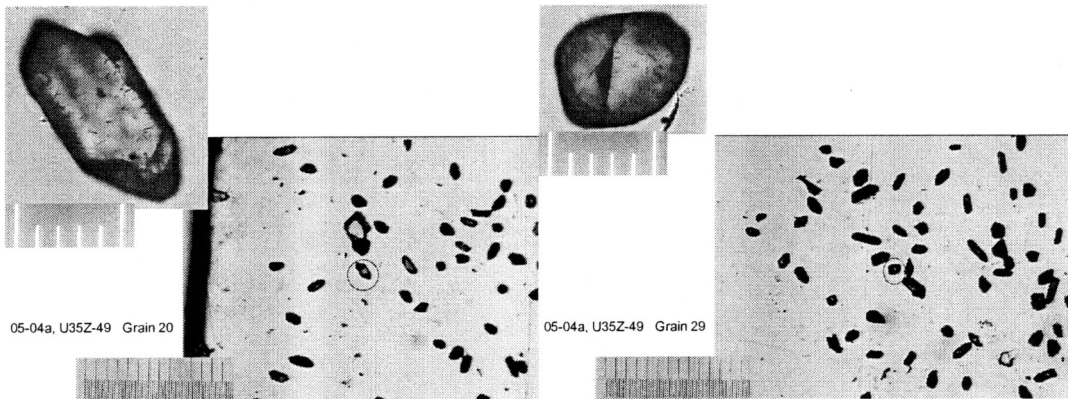
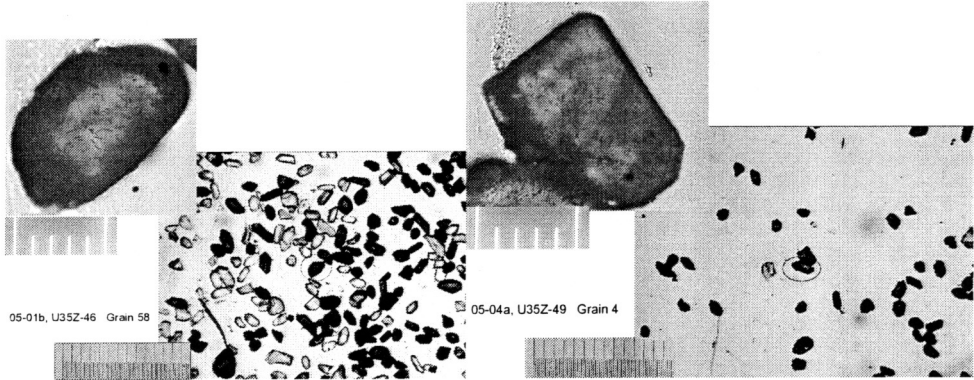
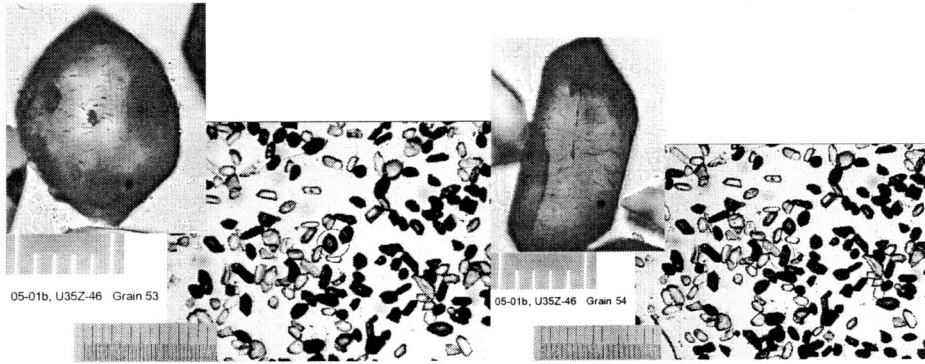
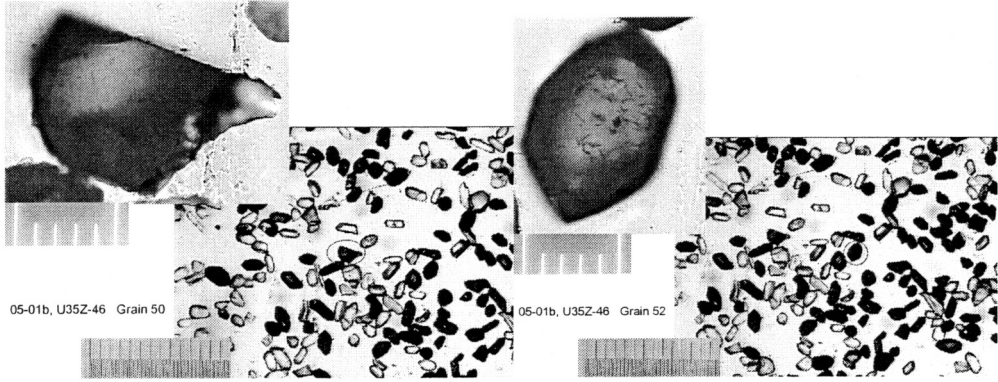
05-01b, U35Z-46 Grain 26



05-01b, U35Z-46 Grain 33





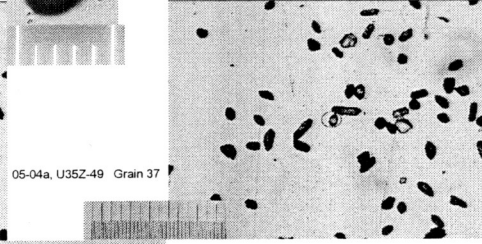
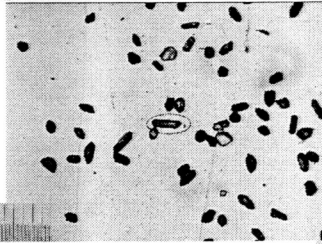




05-04a, U35Z-49 Grain 36



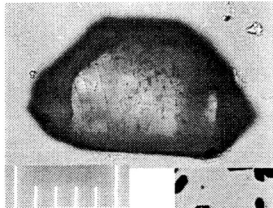
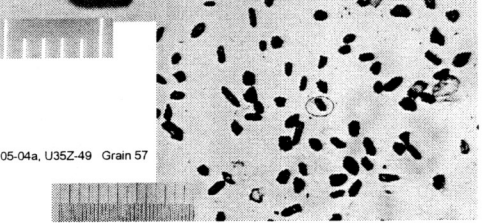
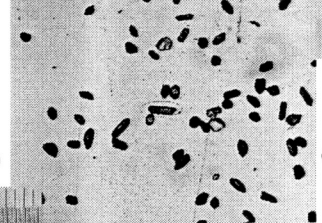
05-04a, U35Z-49 Grain 37



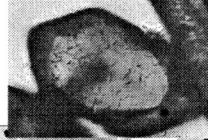
05-04a, U35Z-49 Grain 51



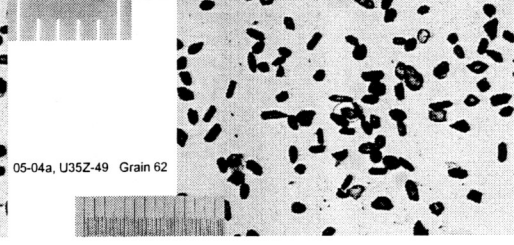
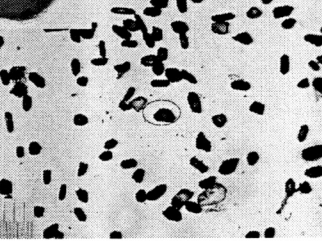
05-04a, U35Z-49 Grain 57



05-04a, U35Z-49 Grain 58



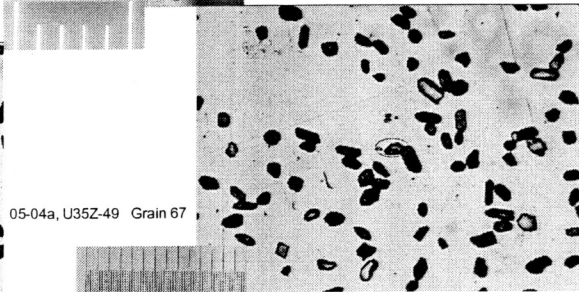
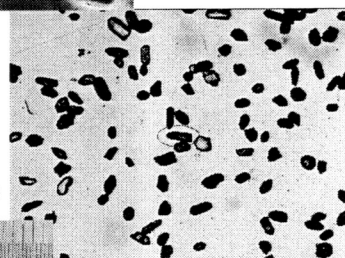
05-04a, U35Z-49 Grain 62



05-04a, U35Z-49 Grain 64

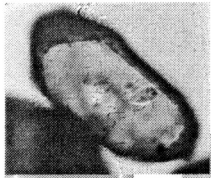
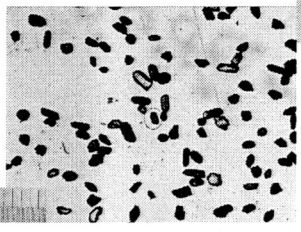


05-04a, U35Z-49 Grain 67

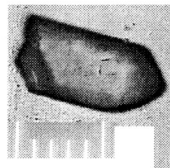
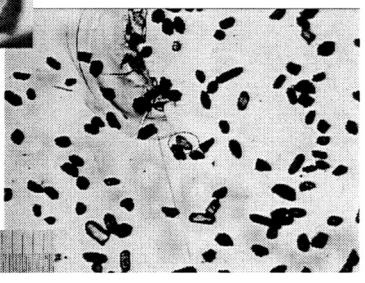




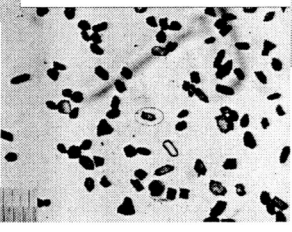
05-04a, U35Z-49 Grain 68



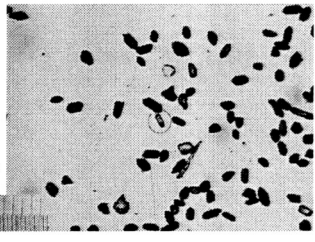
05-04a, U35Z-49 Grain 71



05-04a, U35Z-49 Grain 73



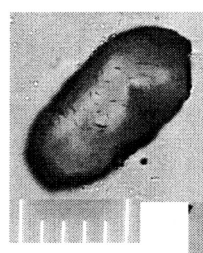
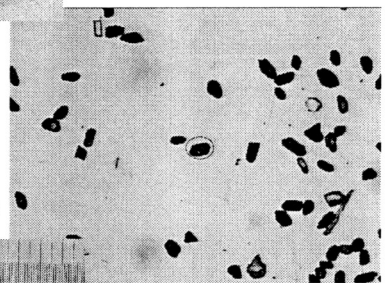
05-04a, U35Z-49 Grain 75



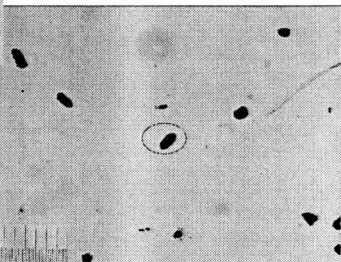
05-04a, U35Z-49 Grain 77



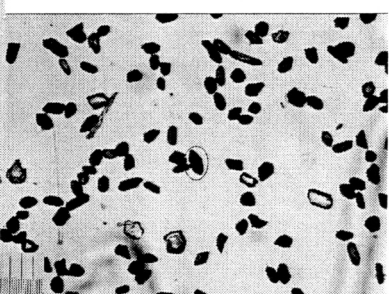
05-04a, U35Z-49 Grain 78

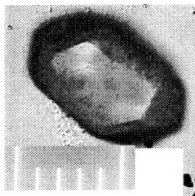


05-04a, U35Z-49 Grain 79

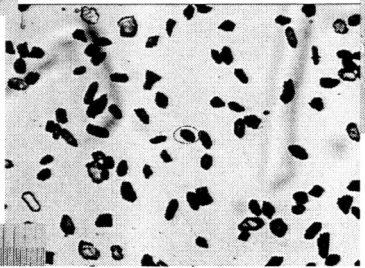


05-04a, U35Z-49 Grain 85

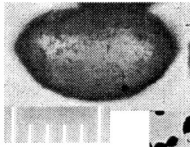
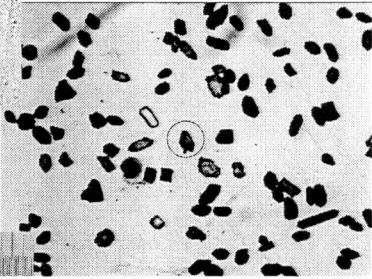




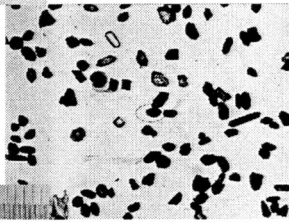
05-04a, U35Z-49 Grain 86



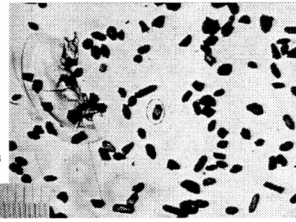
05-04a, U35Z-49 Grain 87



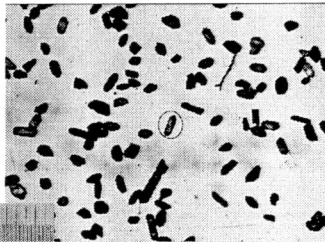
05-04a, U35Z-49 Grain 89



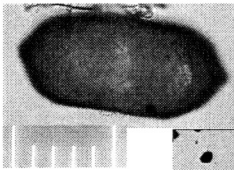
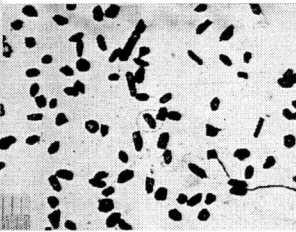
05-04a, U35Z-49 Grain 93



05-04a, U35Z-49 Grain 95



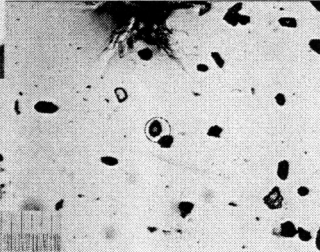
05-04a, U35Z-49 Grain 97

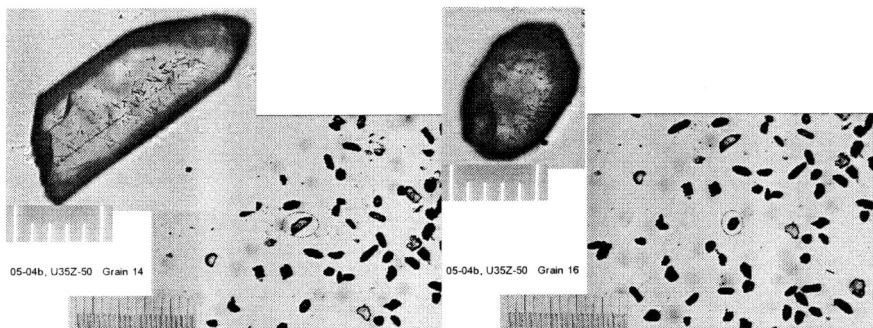
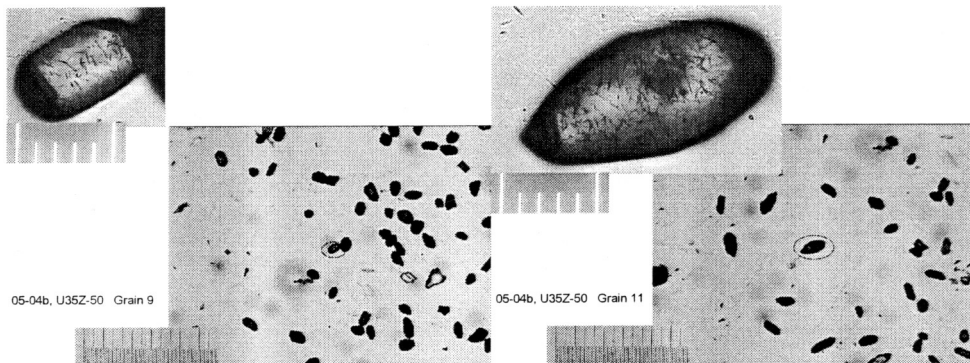
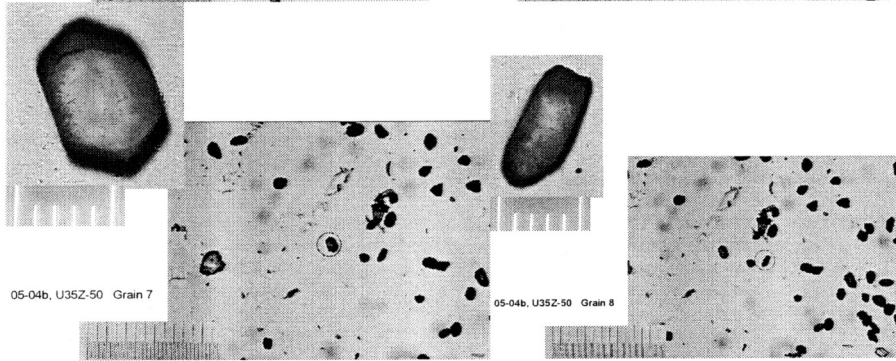
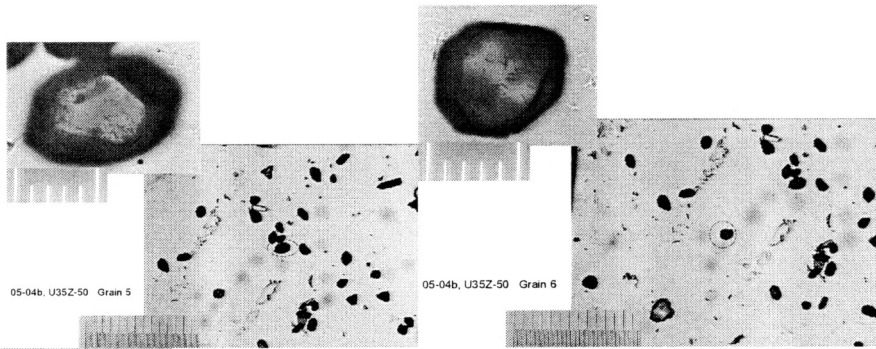


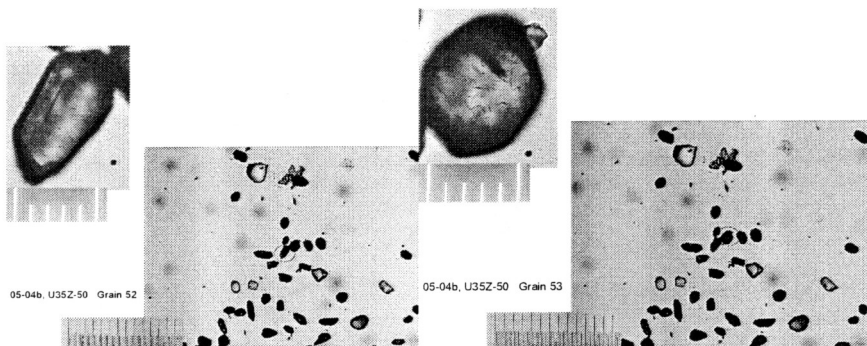
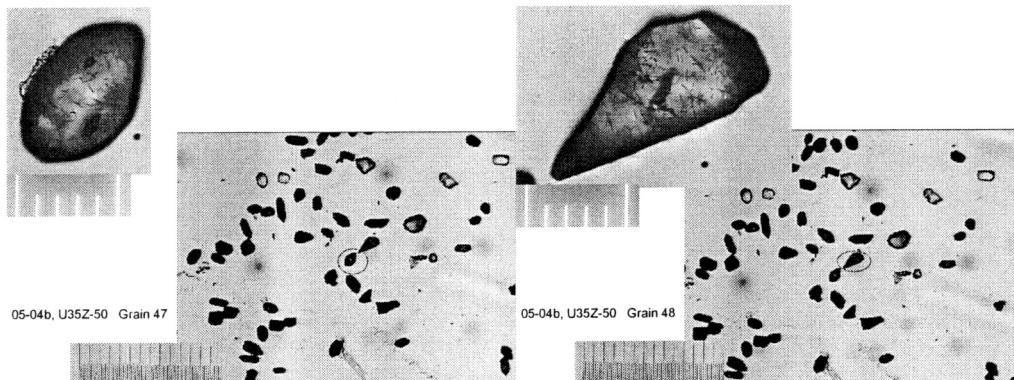
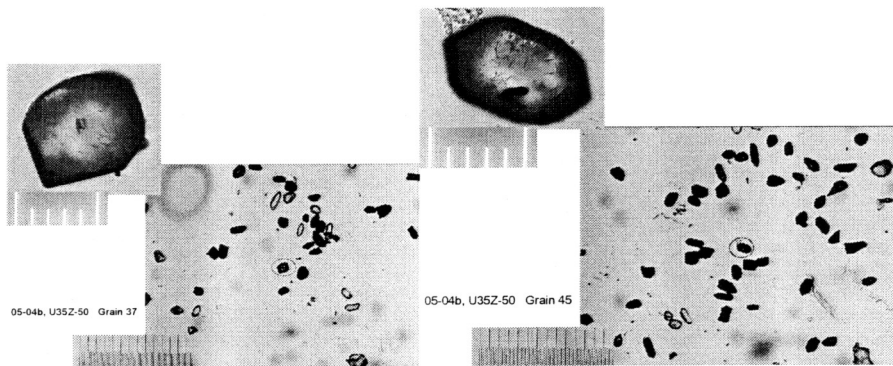
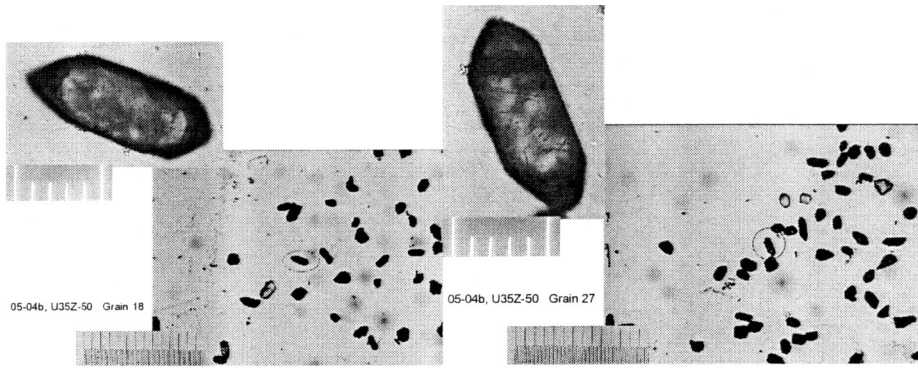
05-04a, U35Z-49 Grain 102

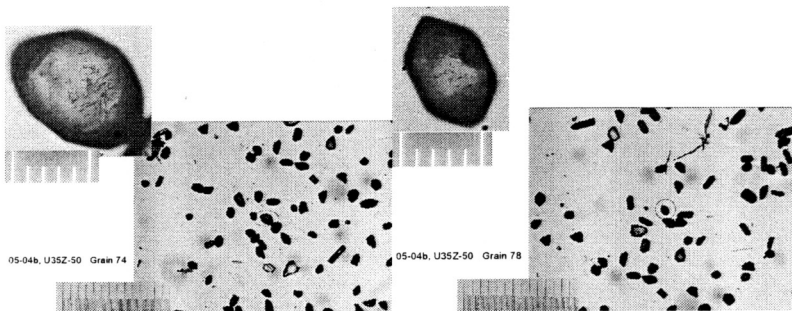
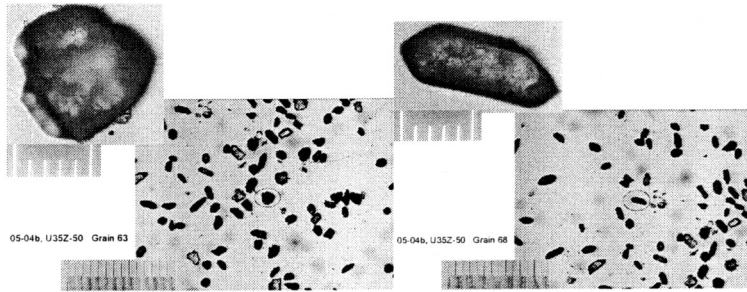
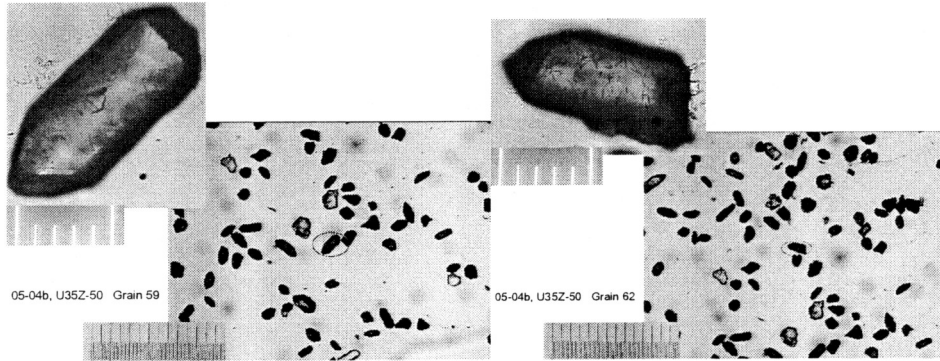
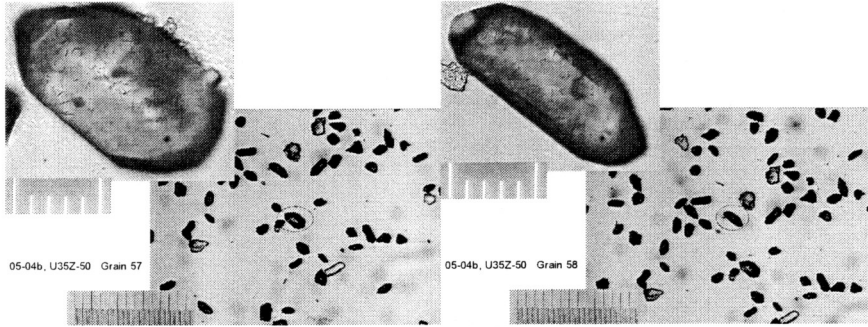


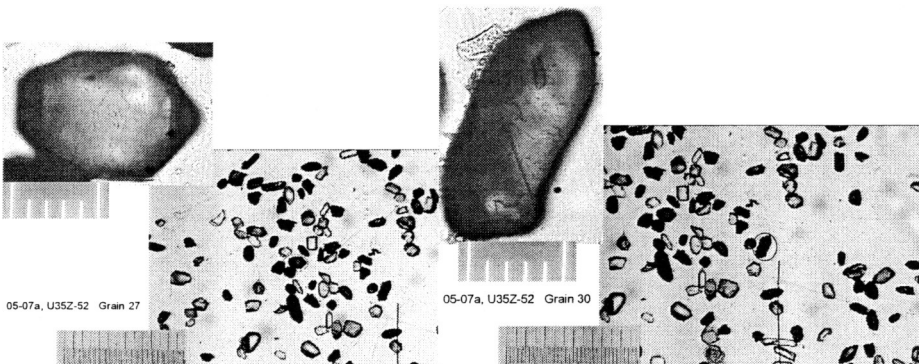
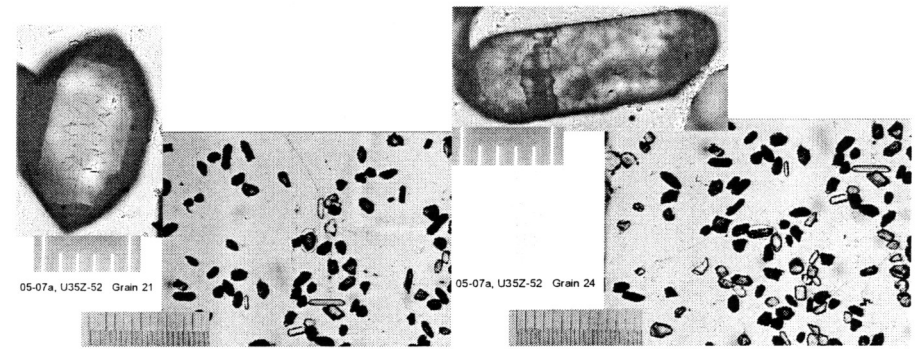
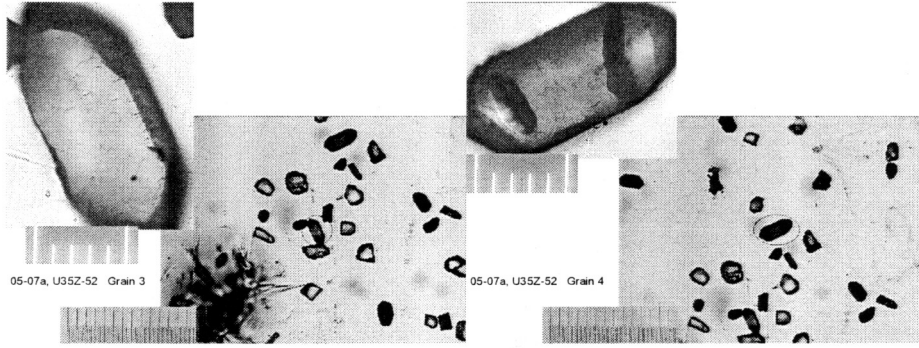
05-04b, U35Z-50 Grain 1





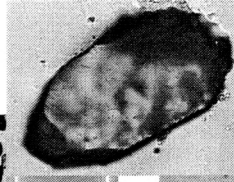




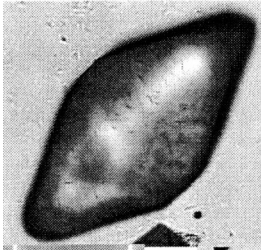
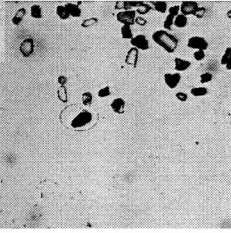
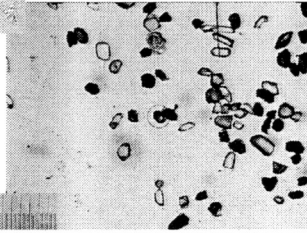




05-07a, U35Z-52 Grain 34



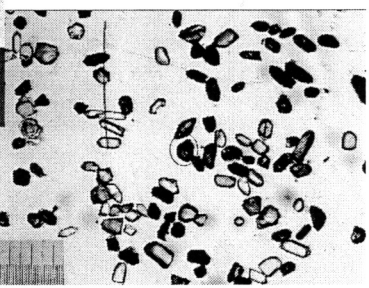
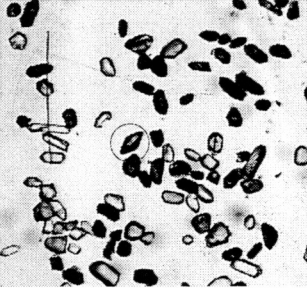
05-07a, U35Z-52 Grain 35



05-07a, U35Z-52 Grain 36



05-07a, U35Z-52 Grain 37



05-07a, U35Z-52 Grain 39



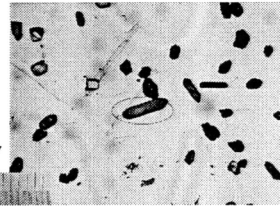
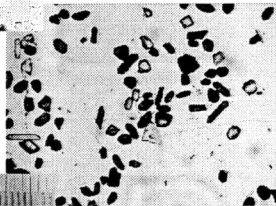
05-07a, U35Z-52 Grain 42

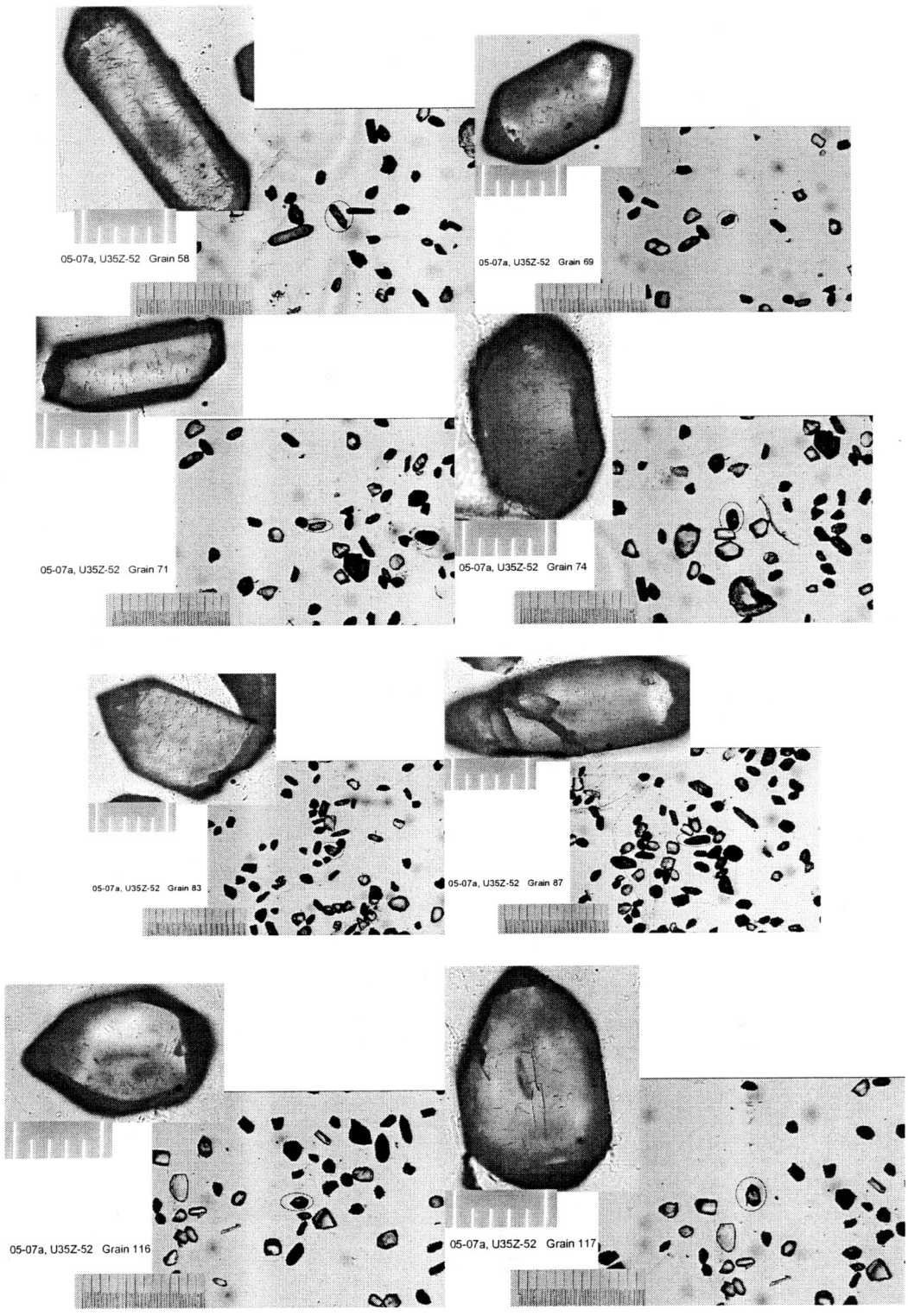


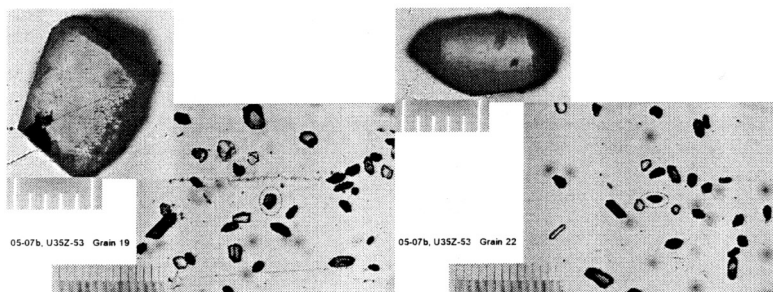
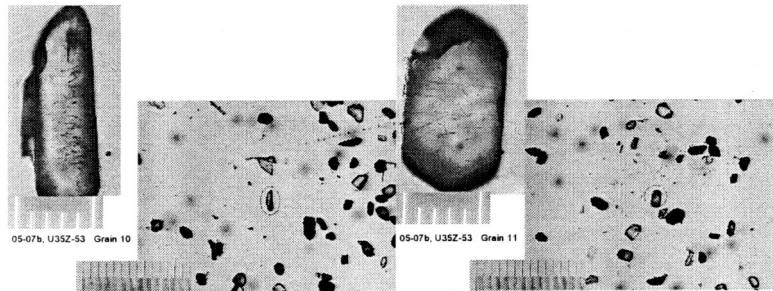
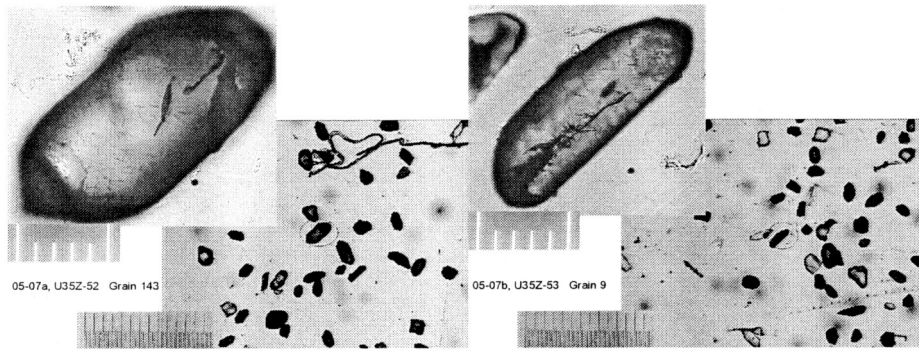
05-07a, U35Z-52 Grain 48

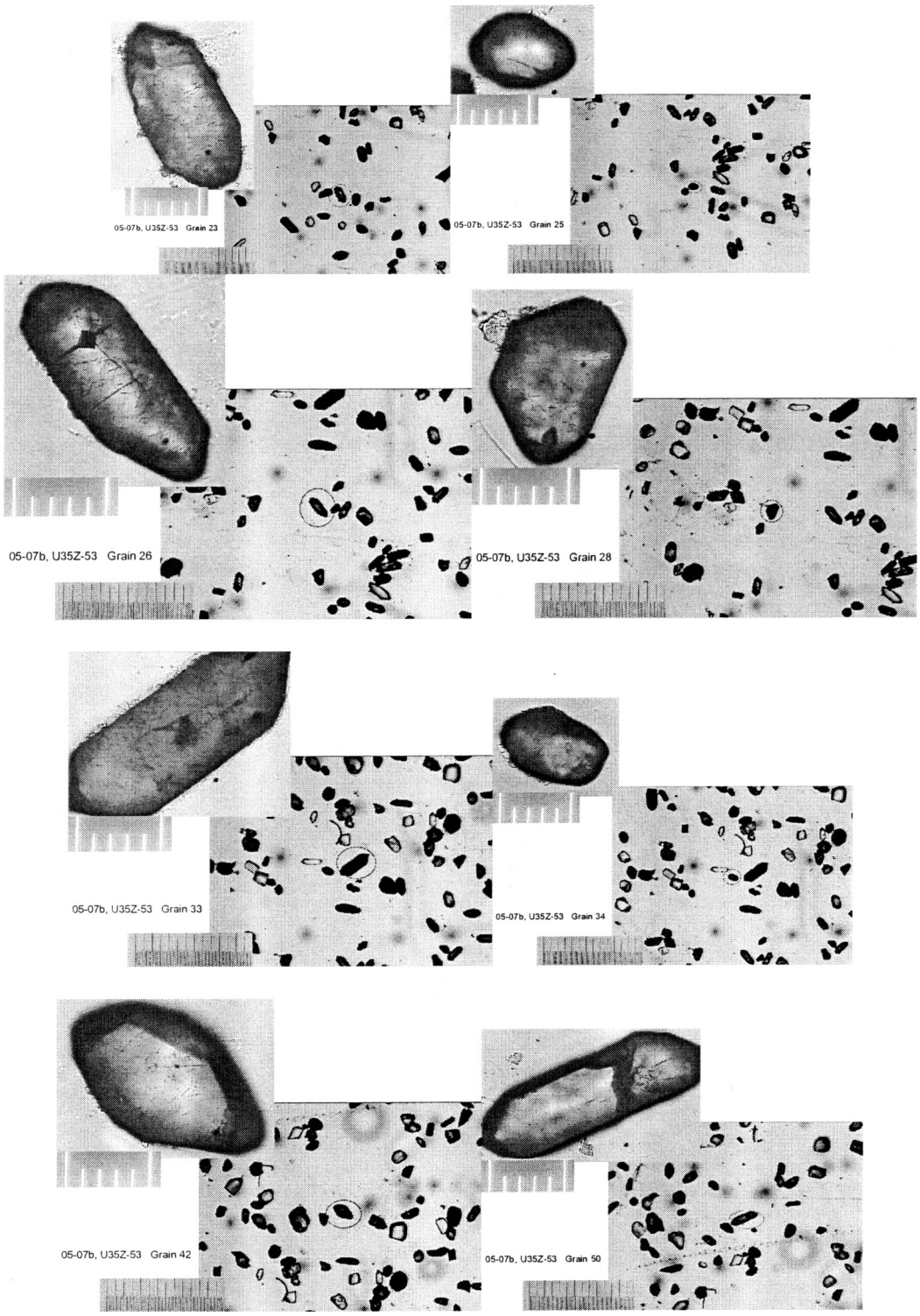


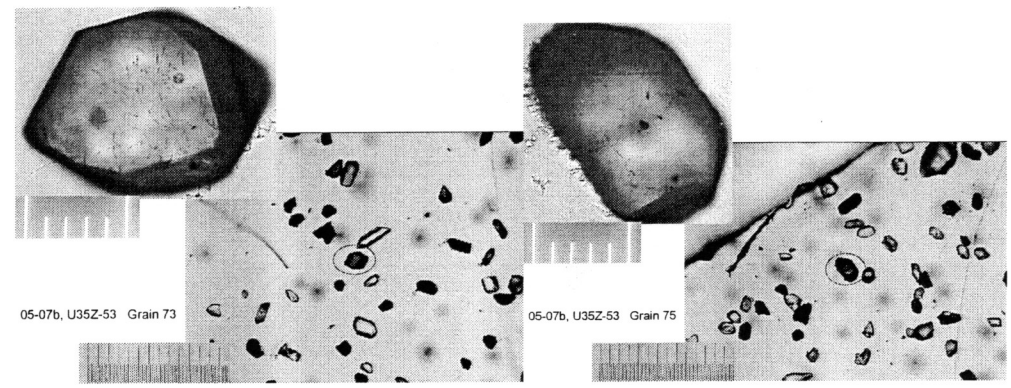
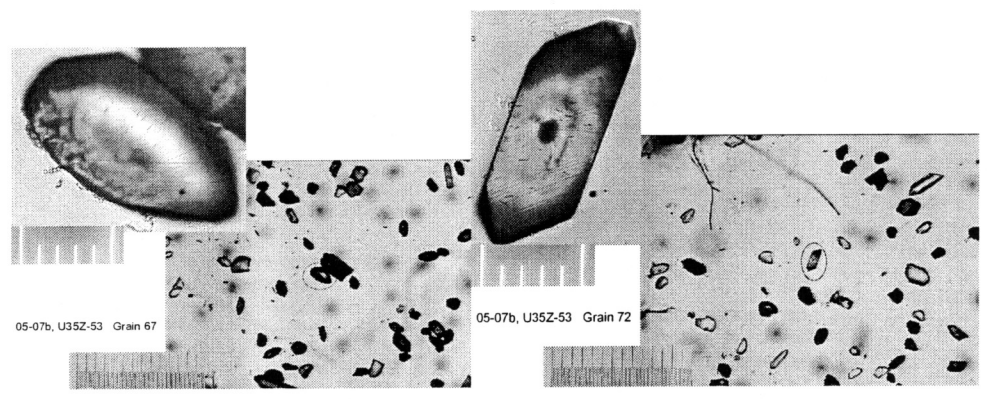
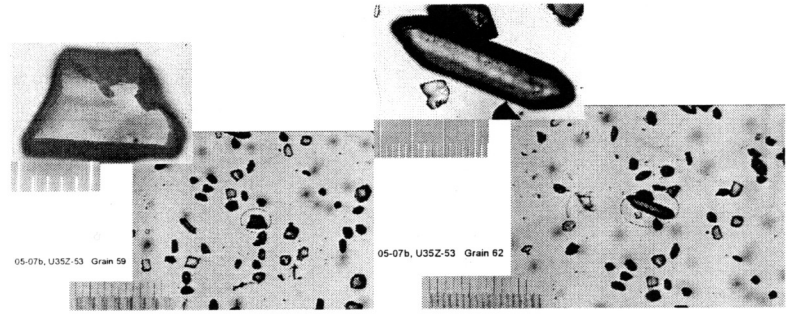
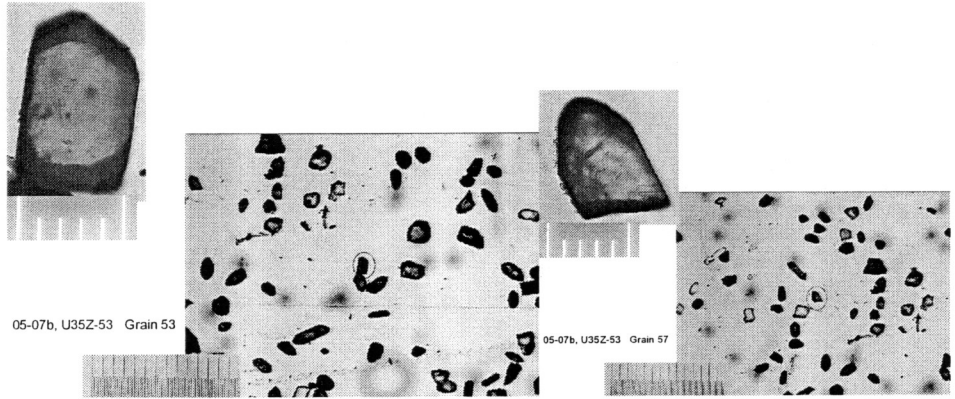
05-07a, U35Z-52 Grain 57

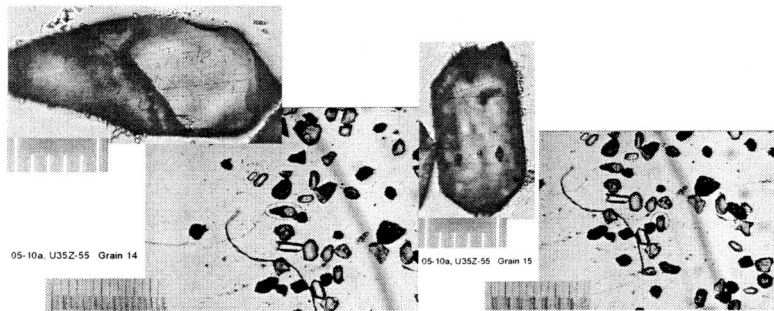
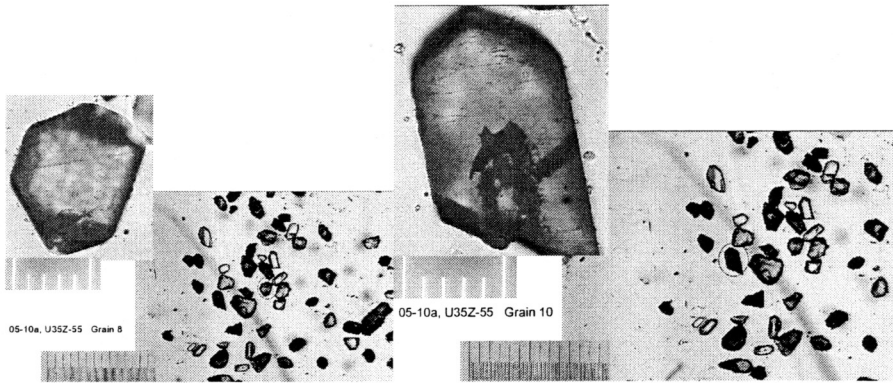
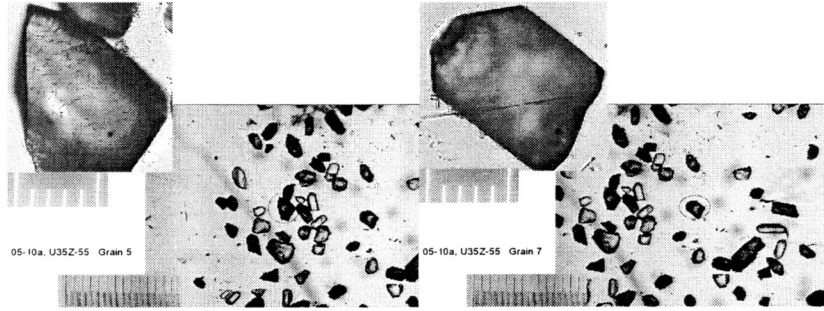
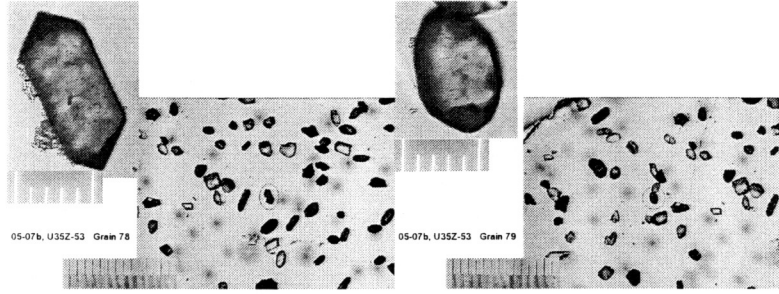






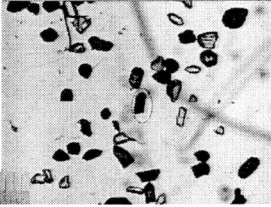




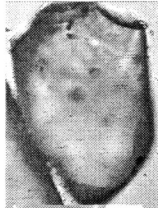
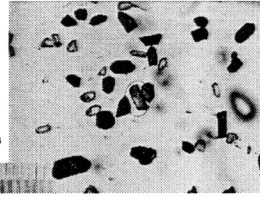




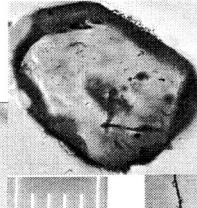
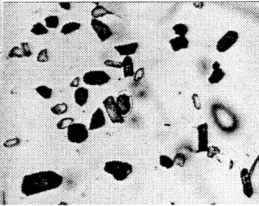
05-10a, U35Z-55 Grain 19



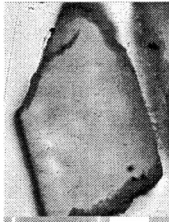
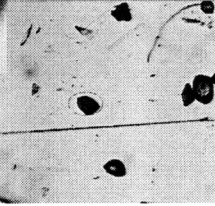
05-10a, U35Z-55 Grain 24



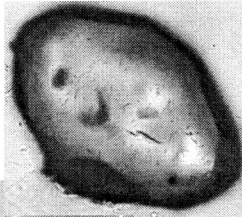
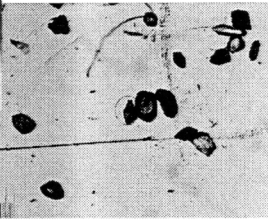
05-10a, U35Z-55 Grain 25



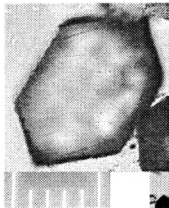
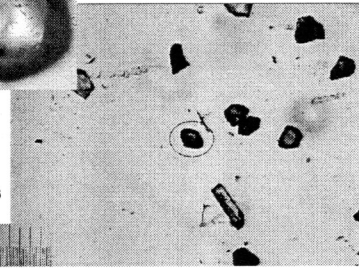
05-10a, U35Z-55 Grain 34



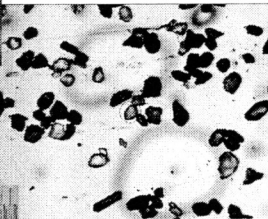
05-10a, U35Z-55 Grain 35



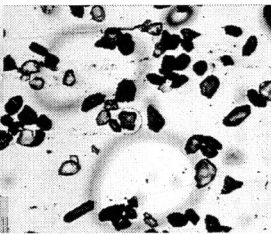
05-10a, U35Z-55 Grain 36

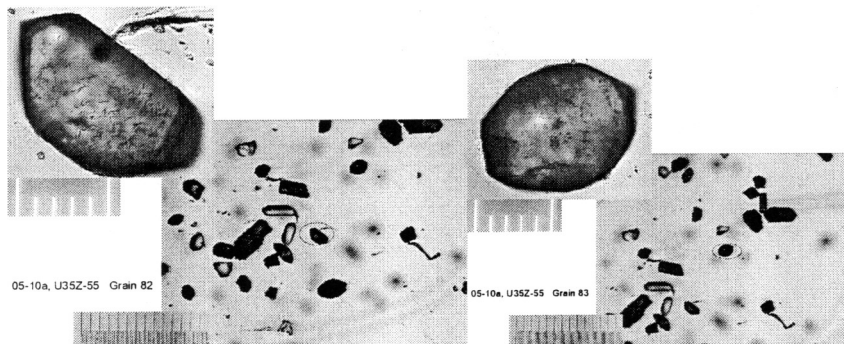
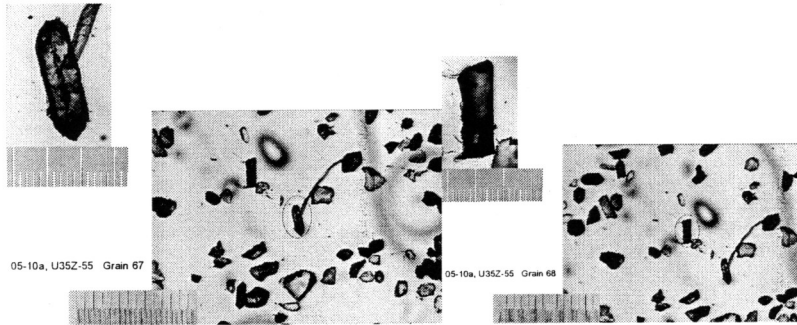
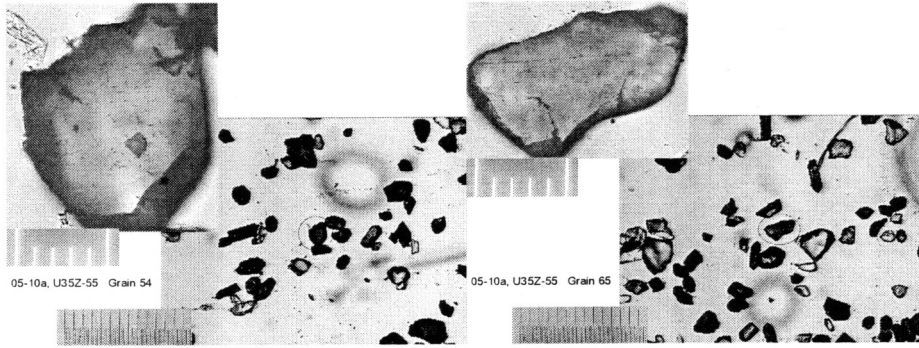


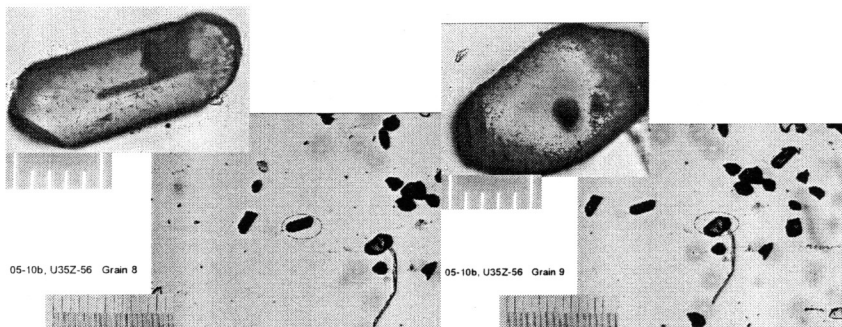
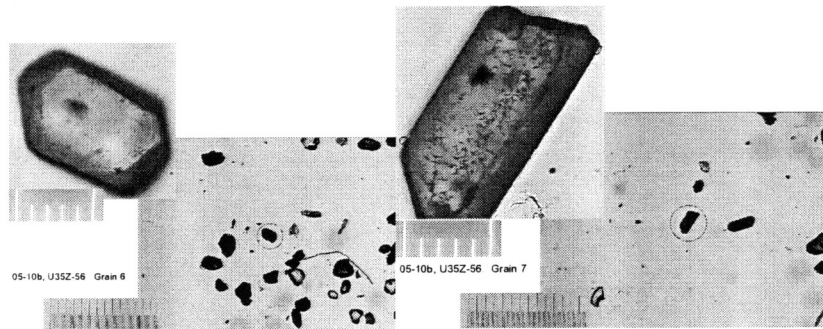
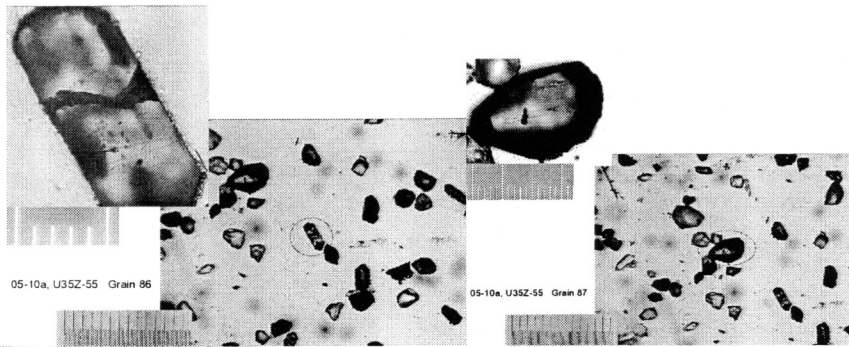
05-10a, U35Z-55 Grain 39

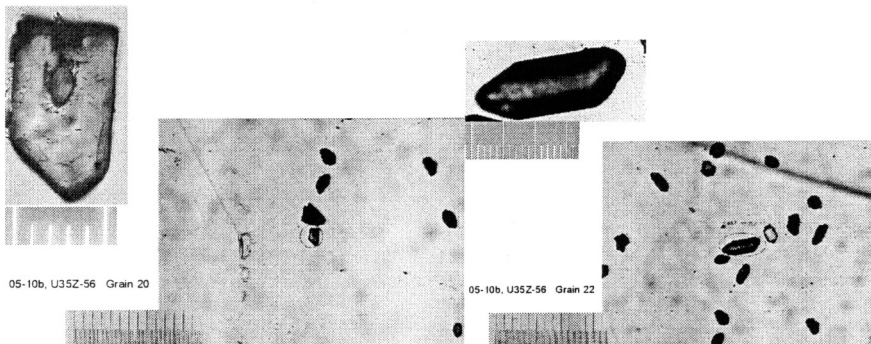
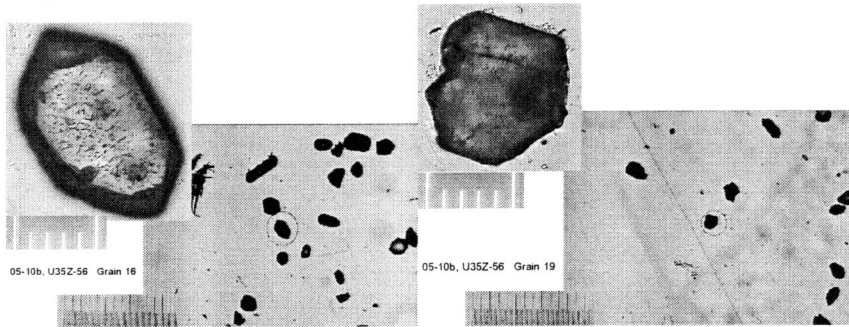
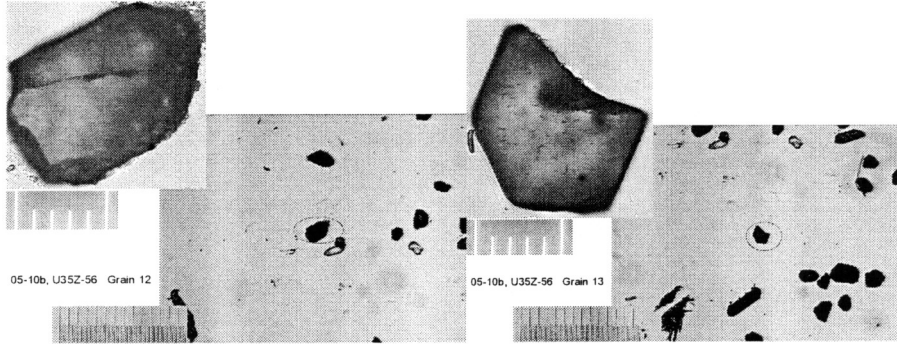
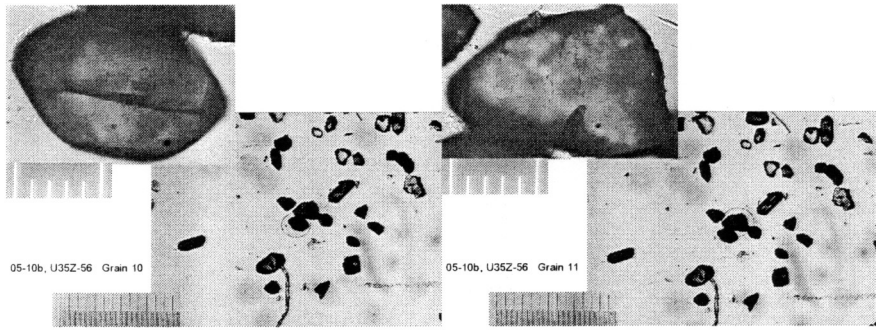


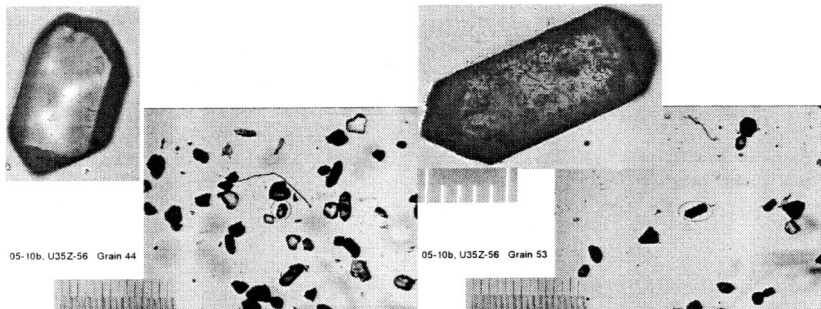
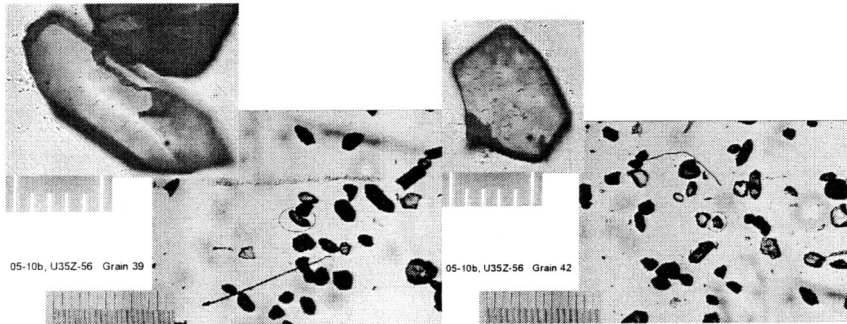
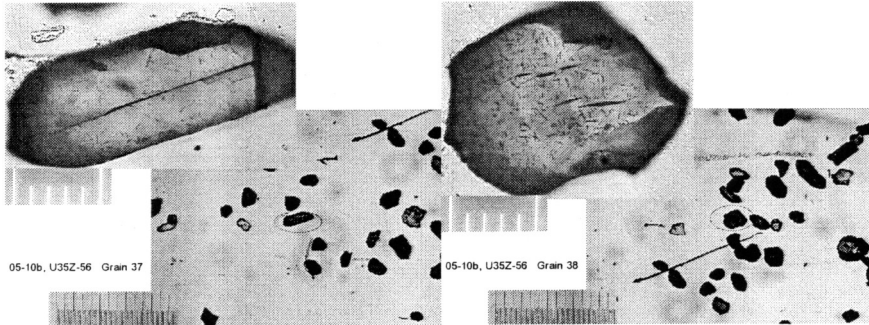
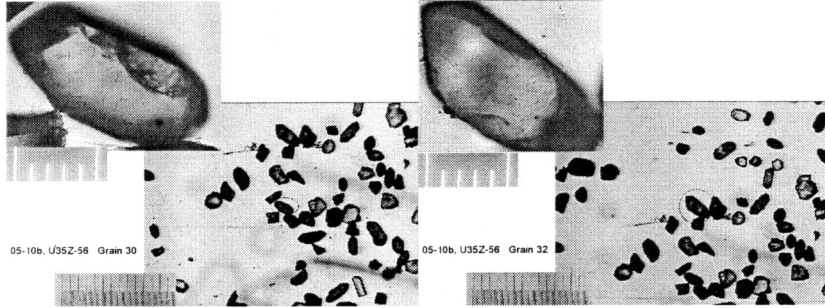
05-10a, U35Z-55 Grain 41

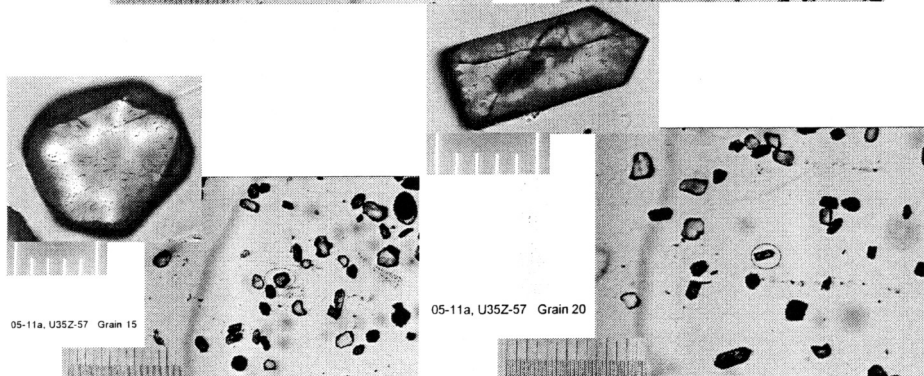
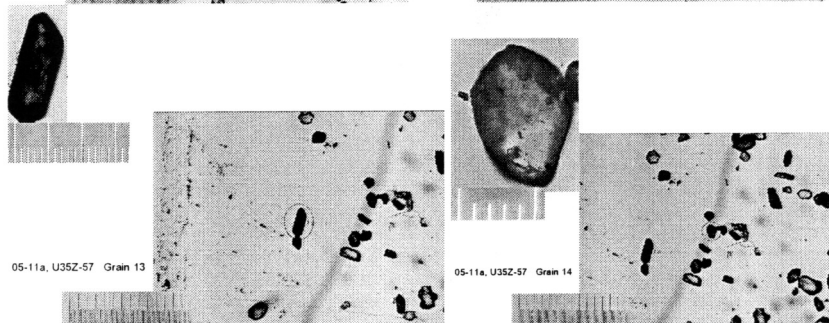
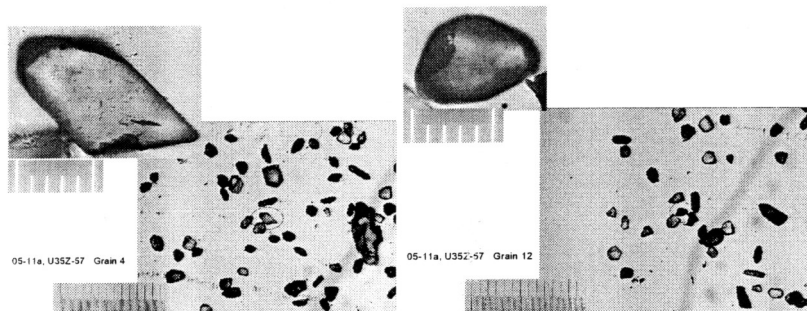
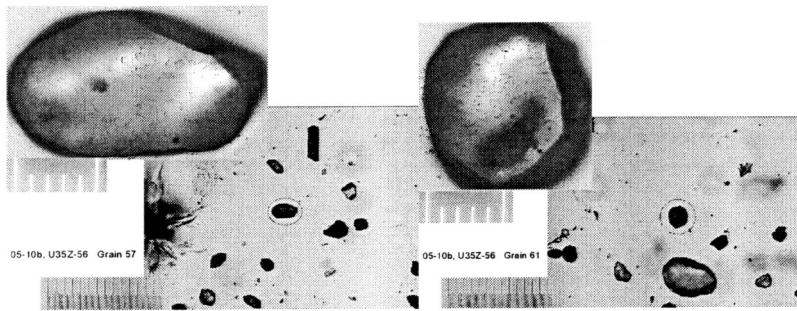
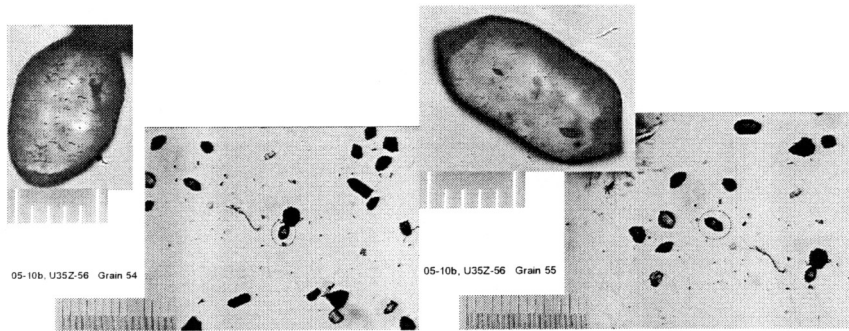


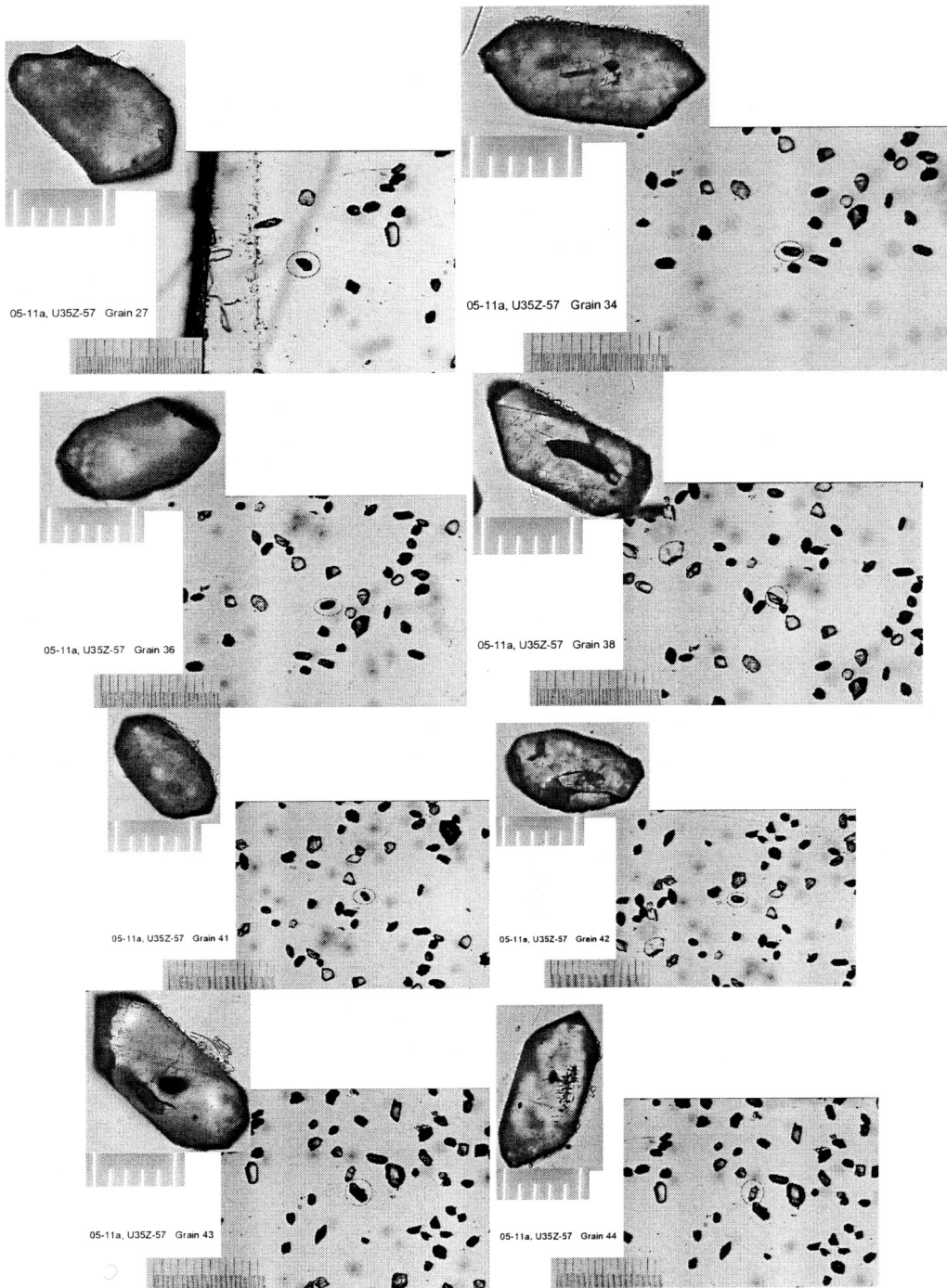


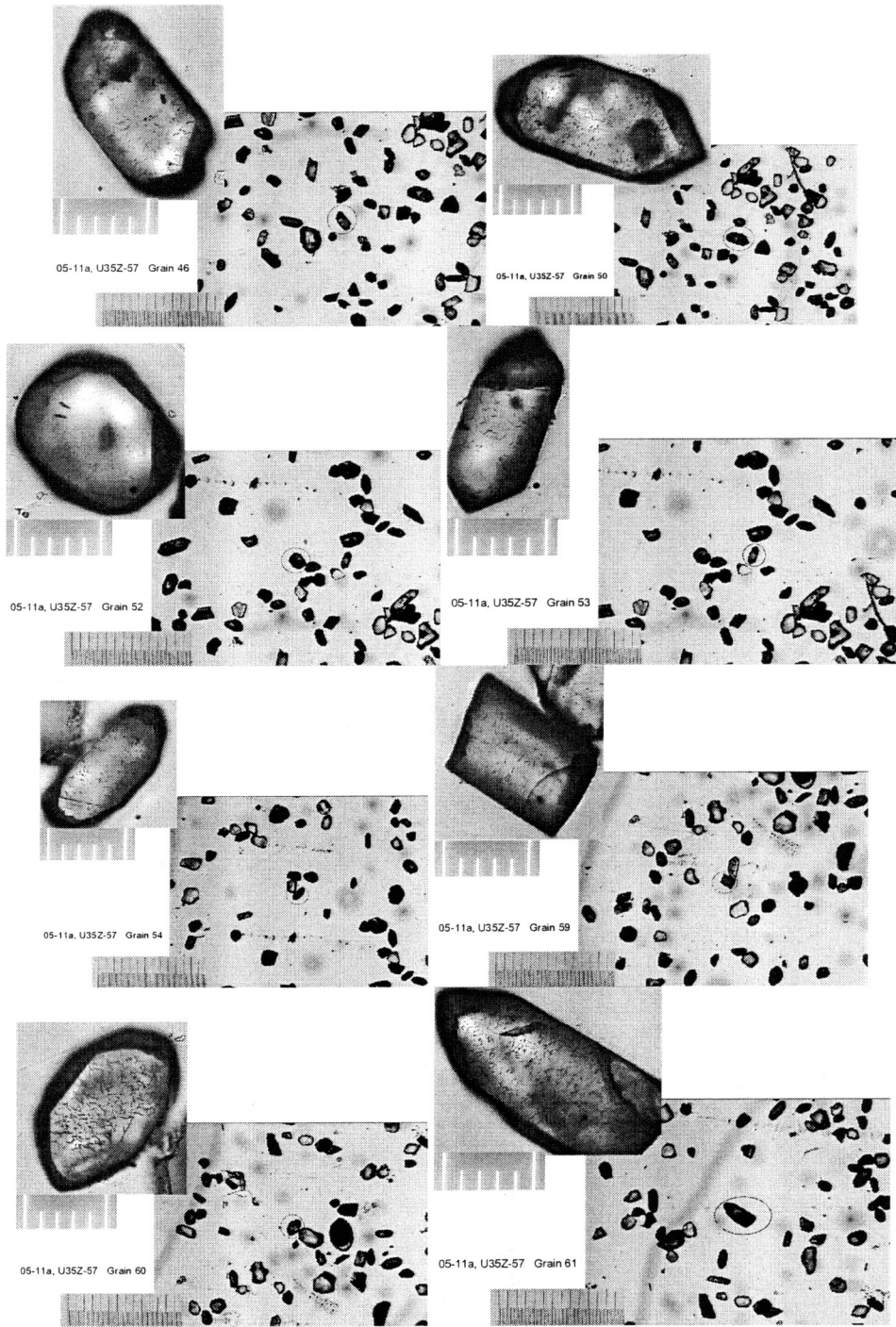


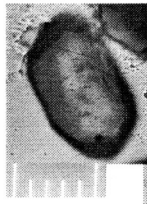




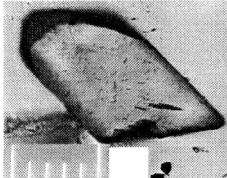




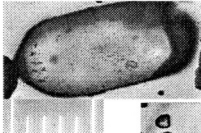
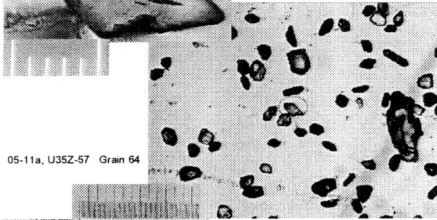
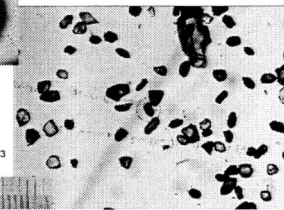




05-11a, U35Z-57 Grain 63



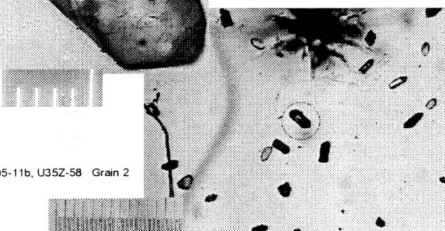
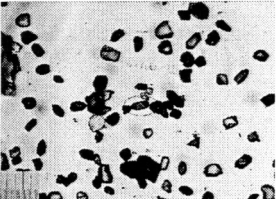
05-11a, U35Z-57 Grain 64



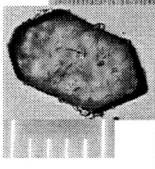
05-11a, U35Z-57 Grain 69



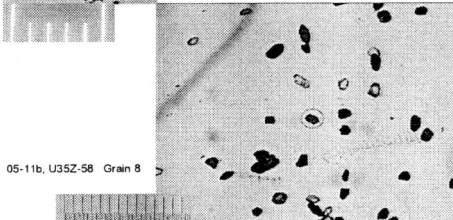
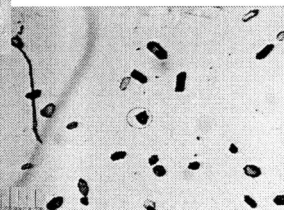
05-11b, U35Z-58 Grain 2



05-11b, U35Z-58 Grain 4



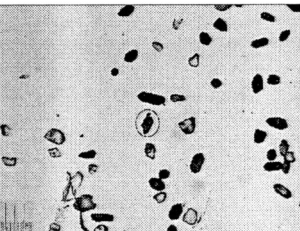
05-11b, U35Z-58 Grain 8



05-11b, U35Z-58 Grain 17



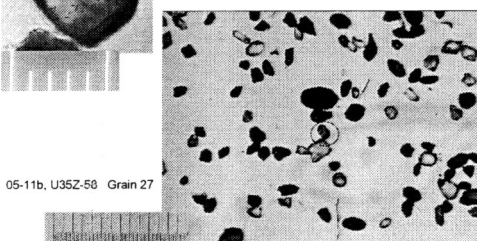
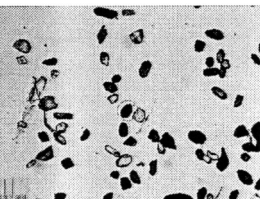
05-11b, U35Z-58 Grain 18

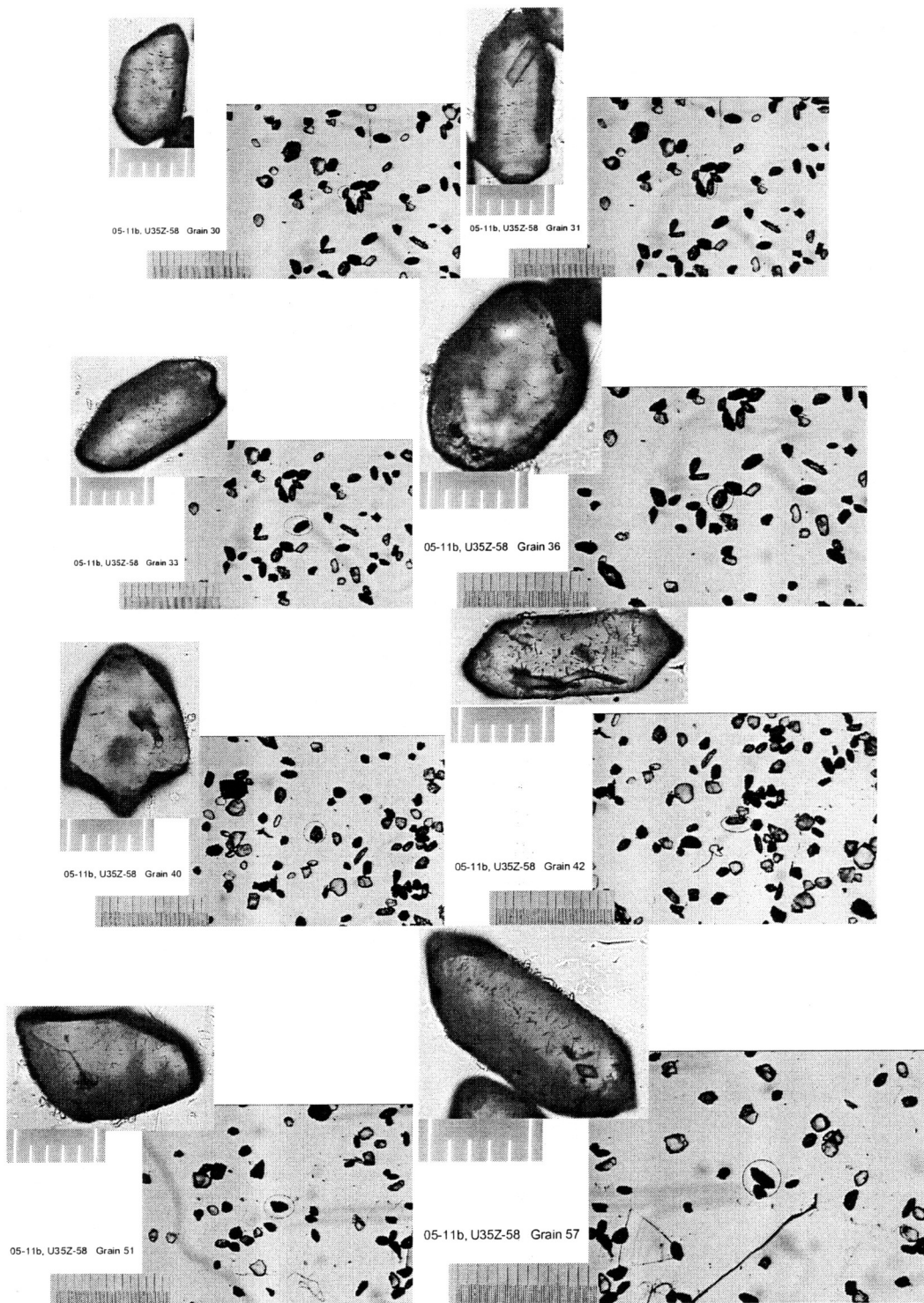


05-11b, U35Z-58 Grain 22



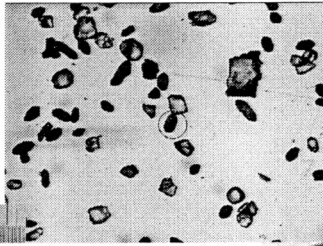
05-11b, U35Z-58 Grain 27



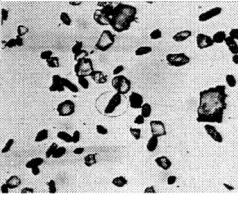




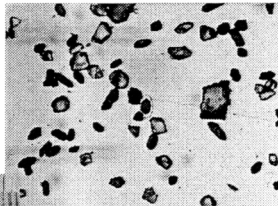
05-11b, U35Z-58 Grain 58



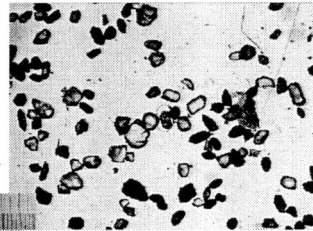
05-11b, U35Z-58 Grain 59



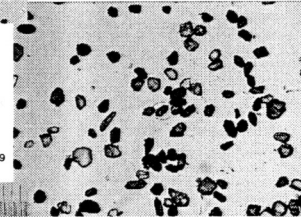
05-11b, U35Z-58 Grain 60



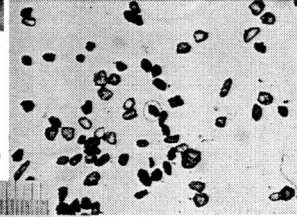
05-11b, U35Z-58 Grain 67



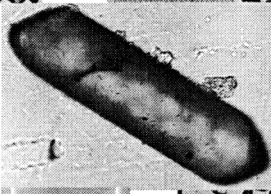
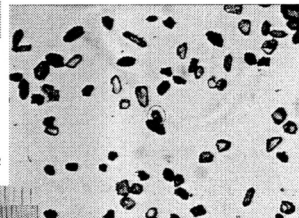
05-11b, U35Z-58 Grain 69



05-11b, U35Z-58 Grain 70

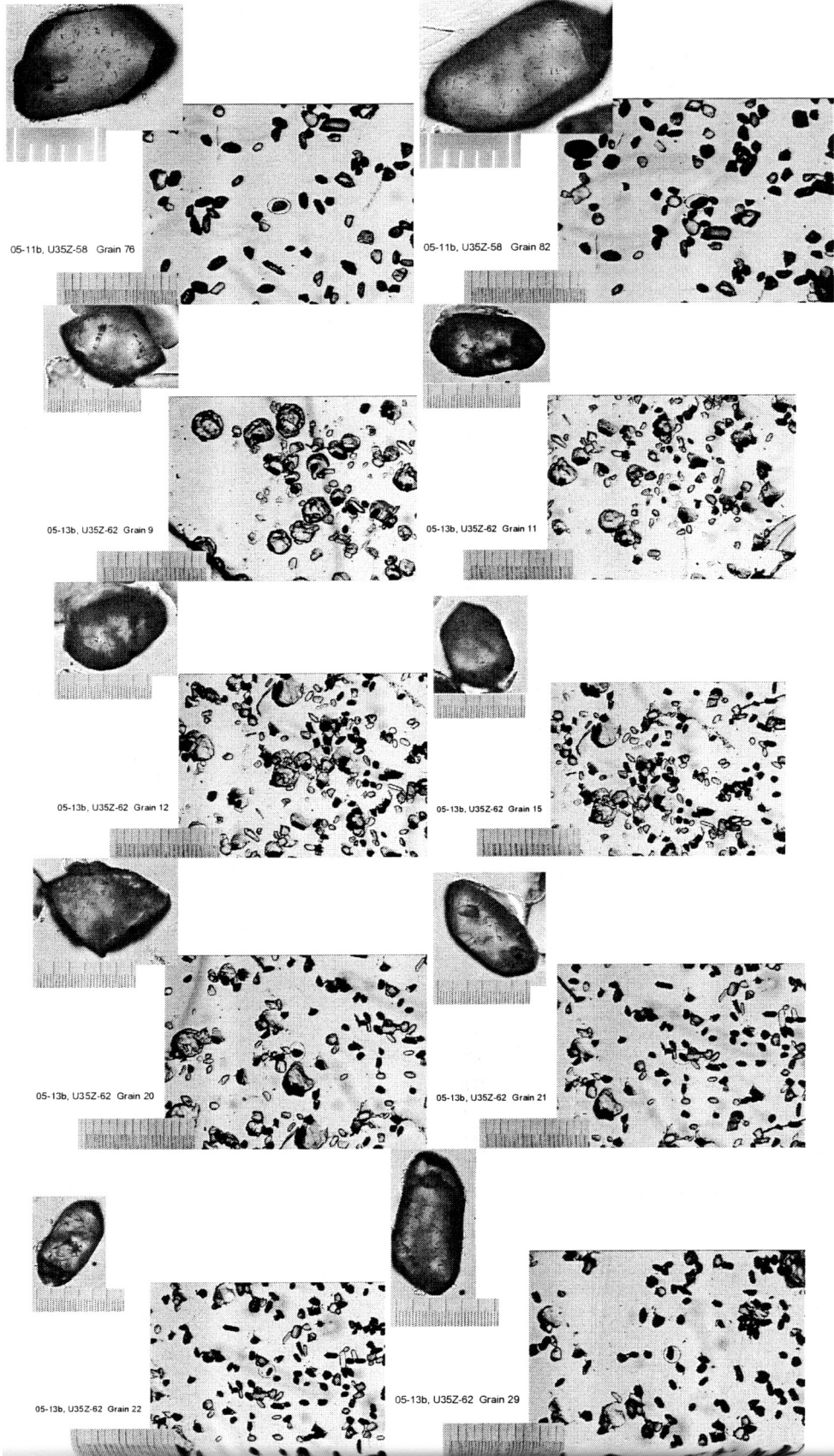


05-11b, U35Z-58 Grain 72



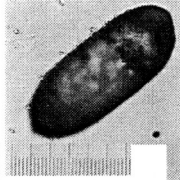
05-11b, U35Z-58 Grain 74



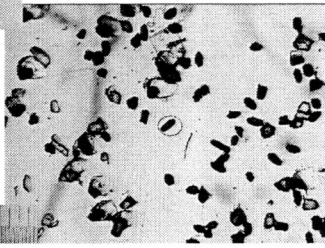
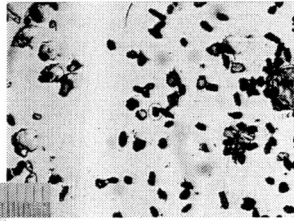




05-13b, U35Z-62 Grain 30



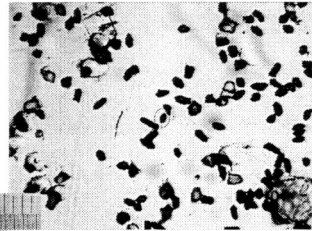
05-13b, U35Z-62 Grain 32



05-13b, U35Z-62 Grain 34



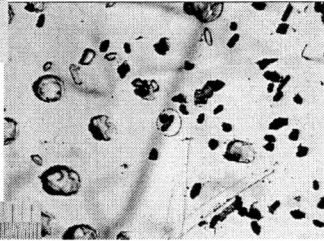
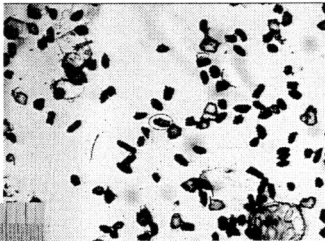
05-13b, U35Z-62 Grain 36



05-13b, U35Z-62 Grain 37



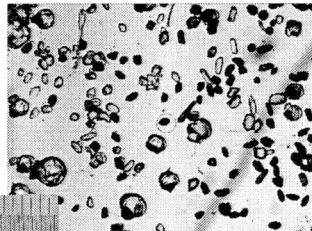
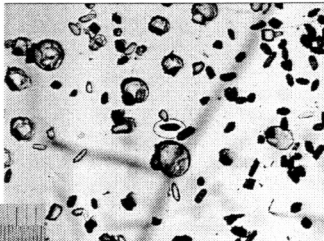
05-13b, U35Z-62 Grain 43



05-13b, U35Z-62 Grain 48



05-13b, U35Z-62 Grain 54

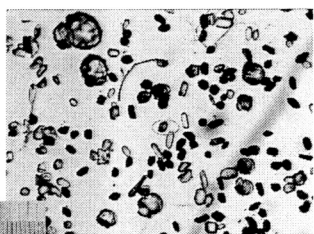




05-13b, U35Z-62 Grain 60



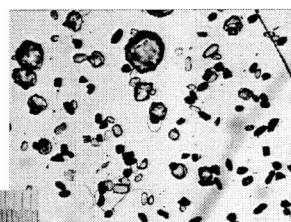
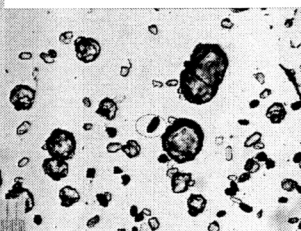
05-13b, U35Z-62 Grain 66



05-13b, U35Z-62 Grain 68



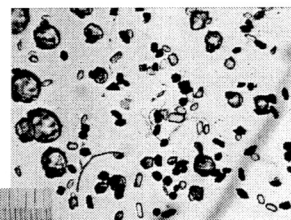
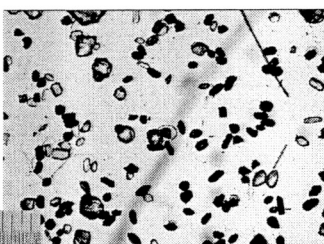
05-13b, U35Z-62 Grain 72



05-13b, U35Z-62 Grain 74



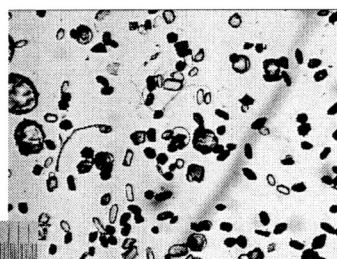
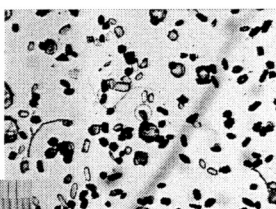
05-13b, U35Z-62 Grain 75

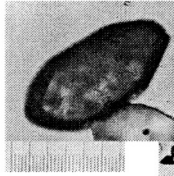


05-13b, U35Z-62 Grain 76

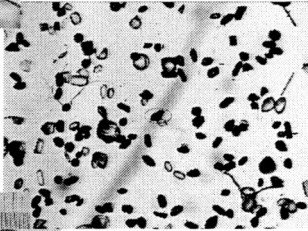


05-13b, U35Z-62 Grain 77





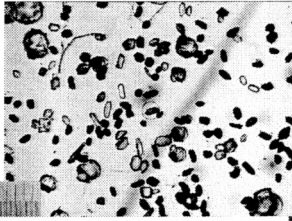
05-13b, U35Z-62 Grain 78



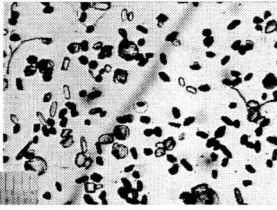
05-13b, U35Z-62 Grain 79



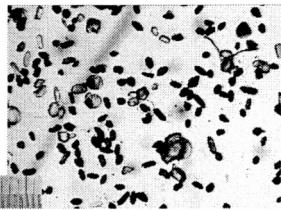
05-13b, U35Z-62 Grain 80



05-13b, U35Z-62 Grain 82



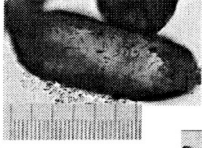
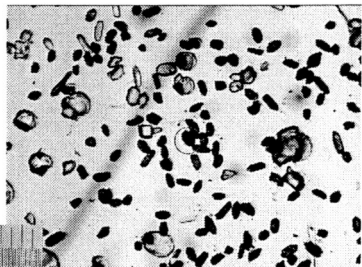
05-13b, U35Z-62 Grain 85



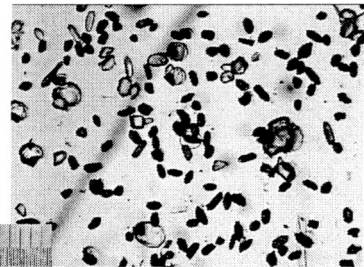
05-13b, U35Z-62 Grain 87



05-13b, U35Z-62 Grain 88



05-13b, U35Z-62 Grain 89

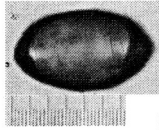
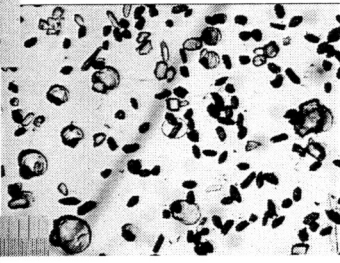
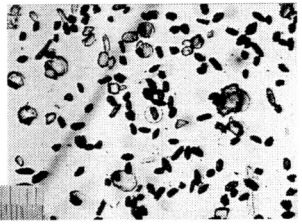




05-13b, U35Z-62 Grain 91



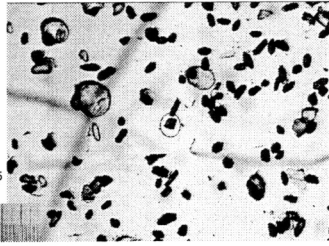
05-13b, U35Z-62 Grain 96



05-13b, U35Z-62 Grain 100



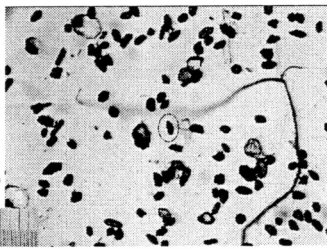
05-13b, U35Z-62 Grain 105



05-13b, U35Z-62 Grain 108



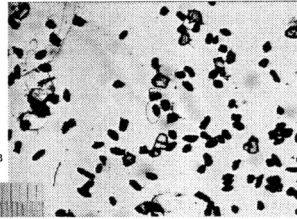
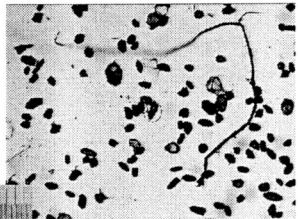
05-13b, U35Z-62 Grain 109

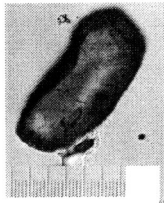


05-13b, U35Z-62 Grain 111

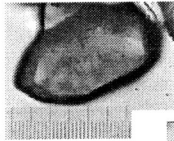


05-13b, U35Z-62 Grain 113

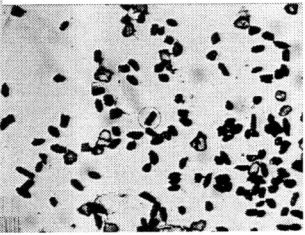




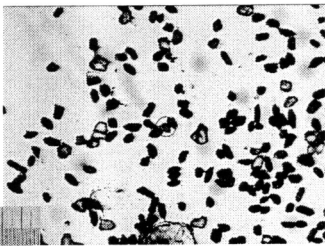
05-13b, U35Z-62 Grain 116



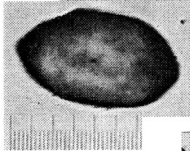
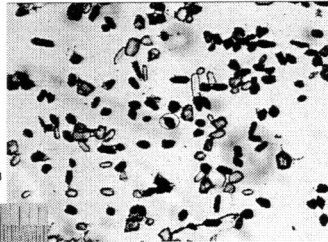
05-13b, U35Z-62 Grain 117



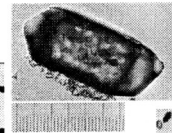
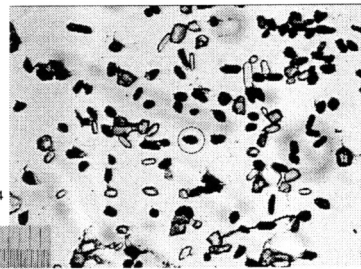
05-13b, U35Z-62 Grain 118



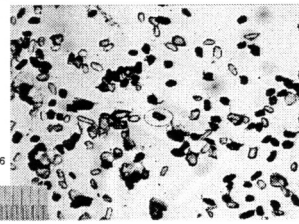
05-13b, U35Z-62 Grain 133



05-13b, U35Z-62 Grain 134

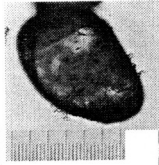


05-13b, U35Z-62 Grain 136

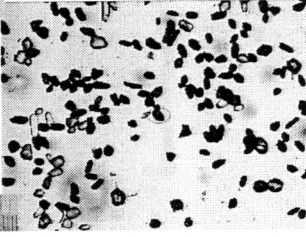
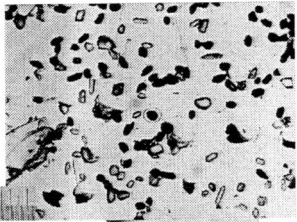




05-13b, U35Z-62 Grain 141



05-13b, U35Z-62 Grain 147



05-13b, U35Z-62 Grain 158

