

Appendix A1. Orientation Matrices for the C23 Fe₂S grains analyzed in this study.

Grain 1, Map 16 UB - matrix:

0.068018 0.036685 0.009445 (0.000284 0.000155 0.000070)
0.057053 -0.035869 -0.022347 (0.000187 0.000102 0.000046)
-0.015549 0.027473 -0.041706 (0.000161 0.000088 0.000040)

Grain 2, Map 23 UB - matrix:

-0.067515 0.036368 -0.009406 (0.000263 0.000143 0.000061)
-0.057039 -0.035840 0.022184 (0.000202 0.000110 0.000047)
0.015238 0.027613 0.041636 (0.000143 0.000078 0.000033)

Grain 2, Map 31 UB - matrix:

0.007285 -0.057578 -0.000339 (0.000088 0.000169 0.000038)
-0.030371 -0.001383 -0.045434 (0.000084 0.000161 0.000036)
0.084586 0.004774 -0.016067 (0.000118 0.000227 0.000051)

Grain 4, Map 32 UB - matrix:

-0.089392 0.001733 -0.004884 (0.000287 0.000056 0.000045)
0.005711 -0.033333 -0.039428 (0.000191 0.000037 0.000030)
-0.007384 -0.047210 0.027484 (0.000180 0.000035 0.000028)

Grain 5, Map 32 UB - matrix:

0.007375 0.057519 0.000268 (0.000094 0.000184 0.000041)
-0.030324 0.001243 0.045409 (0.000095 0.000184 0.000041)
0.084210 -0.005173 0.015998 (0.000129 0.000251 0.000056)

Grain 6, S1 UB - matrix:

0.037612 0.039026 0.029725 (0.000108 0.000092 0.000072)
0.003518 0.038377 -0.036200 (0.000063 0.000054 0.000042)
-0.081483 0.019503 0.011973 (0.000106 0.000091 0.000071)