To report atom probe tomography data that was reconstructed using these values, please cite: Fougerouse, D., Saxey, D.W., Rickard, W.D.A., Reddy, S.M., Verberne, R. Standardizing spatial reconstruction parameters for the atom probe analysis of common minerals. Microscopy and Microanalysis, DOI: 10.1017/S1431927621013714

	Laser Power Energy (pJ)	Atomic volume nm^3/atom	Fitted Field (V/nm)	Uncertainty (1 σ)
Olivine	200	0.01095	30.04	0.59
Pyrite	35	0.01325	19.10	0.69
Baddeleyite	150	0.01133	29.08	0.36
Monazite	300	0.01245	27.02	0.22
Apatite	300	0.01250	27.87	-
Pagioclase	300	0.01290	34.20	0.51
Titanite	300	0.01152	23.68	0.73
Garnet	400	0.00895	28.92	0.38
Xenotime	200	0.01190	28.98	0.20
Arsenopyrite	35	0.01458	20.20	0.12
Rutile	30	0.01040	25.85	0.06
Zircon[1]	300	0.01076	32.00	-

1: Saxey, D., Fougerouse, D., Rickard, W., and Reddy, S. (2019) Spatial Reconstruction of Atom Probe Data from Zircon. Microscopy and Microanalysis, 25(S2), 2536-2537.