Supplement to

“Constraints on the Timescales and Processes that Lead to High-SiO₂
Rhyolite Production in the Searchlight Pluton, NV, USA”

by

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Figure S1: CL images of zircon from the Searchlight Pluton showing internal zonation within the crystals and the locations of SIMS spot analyses.

SL17-07 CL Images and SIMS Spot Locations

SL17-08 CL Images and SIMS Spot Locations

SL17-09 CL Images and SIMS Spot Locations

SL17-10 CL Images and SIMS Spot Locations

SL17-11 CL Images and SIMS Spot Locations

Figure S2: Rare earth element (REE) diagram for repeated TIMS-TEA analyses of Plešovice zircon showing good reproducibility for REE heavier than Nd.

Figure S3: Sample by sample plots of composition vs. time for $\text{Dy}_{\text{CN}}/\text{Yb}_{\text{CN}}$, Eu/Eu^* , and Hf from the TIMS-TEA dataset produced in this study.