Supplementary Information

# Uranyl peroxide nanoclusters at high pressures

Katlyn M. Turner1\*, Jennifer E.S. Szymanowski2, Fuxiang Zhang3, Yu Lin1,4,5, Brendan T. McGrail2, Wendy L. Mao1,4, Peter C. Burns2,6, & Rodney C. Ewing1

1. Department of Geological Sciences, Stanford University
2. Department of Civil & Environmental Engineering & Earth Sciences, University of Notre Dame
3. Department of Earth & Environmental Sciences, University of Michigan
4. Stanford Institute for Materials and Energy Sciences, SLAC National Accelerator Laboratory
5. Department of Chemistry, Stanford University
6. Department of Chemistry and Biochemistry, University of Notre Dame

\*e-mail correspondence to: [katlynmt@stanford.edu](mailto:katlynmt@stanford.edu)

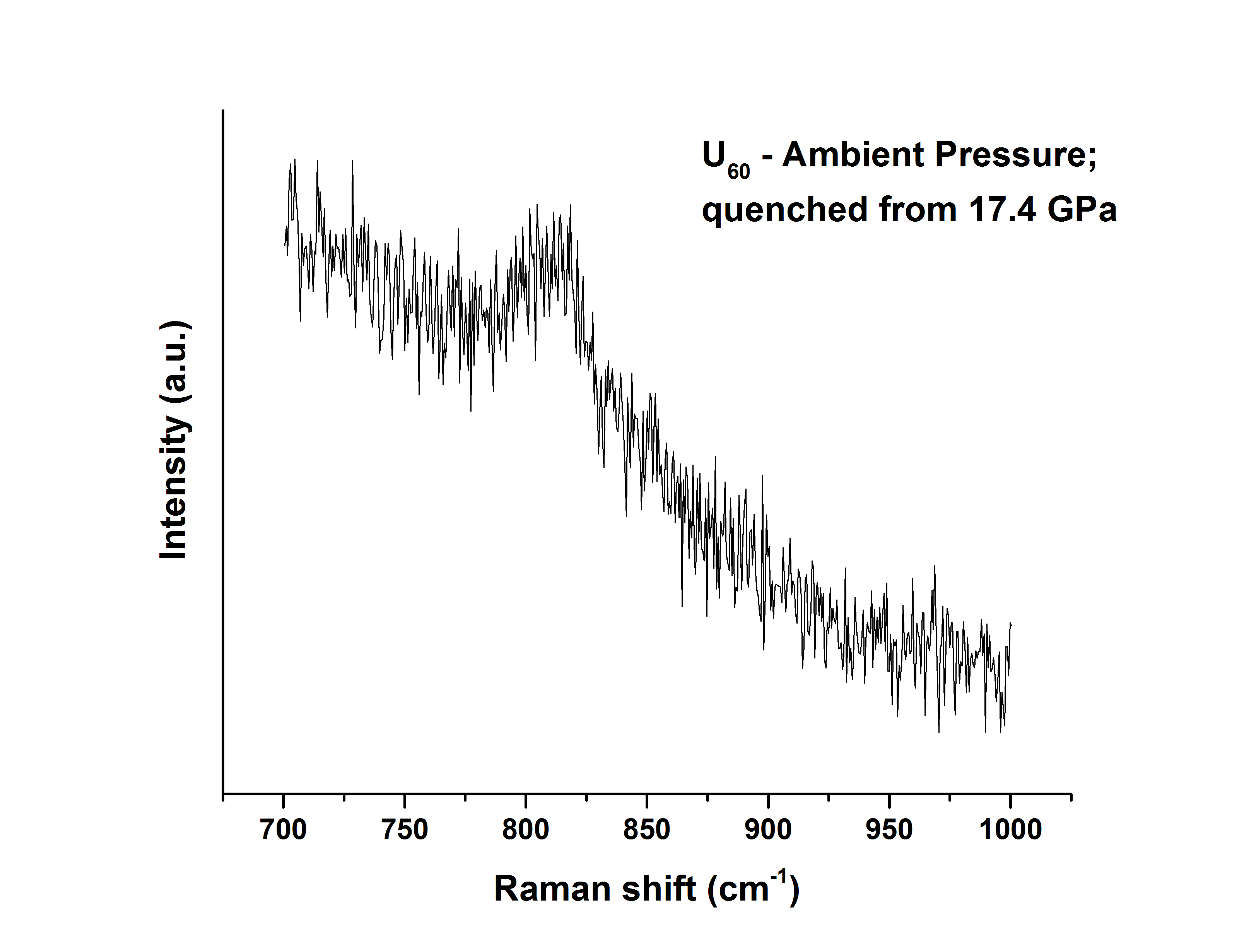
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**Figure S1.** Calculated and indexed powder diffraction pattern of Li68K12(OH)20[UO2(O2)(OH)]60(H2O)310 at ambient pressure



**Figure S2.** *In situ* Raman spectroscopy of U60 quenched to ambient pressure from 17.4 GPa