

Supporting Information for:

Revealing the Semiconductor-Catalyst Interface in Buried Platinum Black Silicon Photocathodes

Jeffery A. Aguiar,^{†a} Nicholas C. Anderson,^{†a} and Nathan R. Neale^{*a}

^a National Renewable Energy Laboratory, Golden, CO 80220 USA. E-mail: Nathan.Neale@nrel.gov

[†] These authors contributed equally to this work.

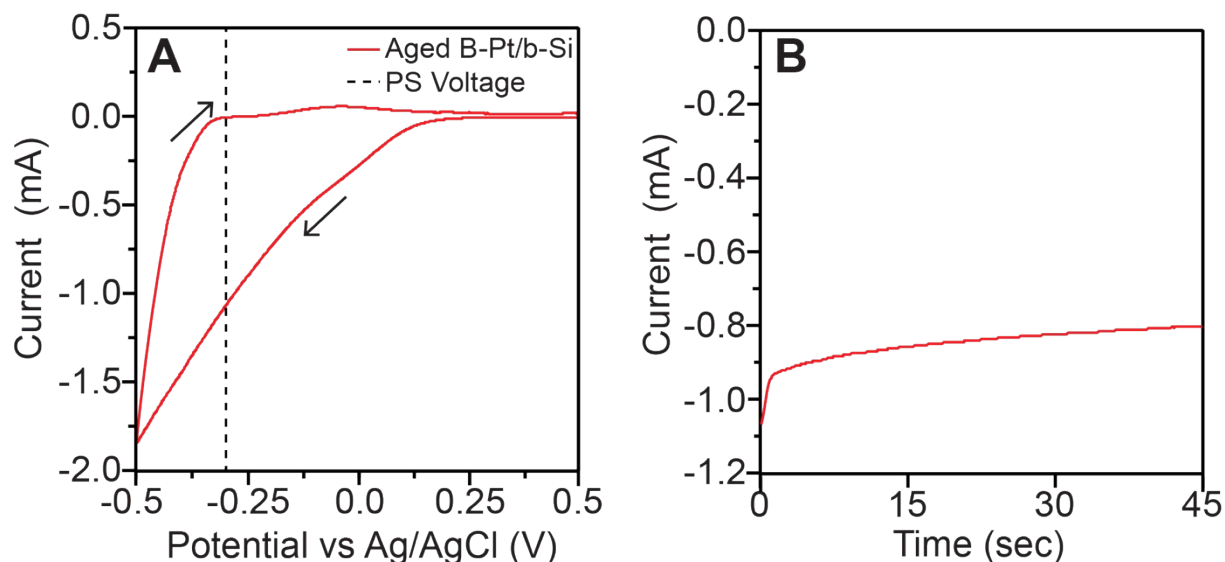


Figure S1. (A) Cyclic voltammetry curve, swept from positive to negative potential and then the reverse as indicated by the arrows and (B) potentiostatic deposition vs time for 1 month air-aged B-Pt/b-Si electrodes in 5 mM CuSO₄ and 50 mM H₂SO₄ with a Pt counter electrode vs Ag/AgCl (3.0 M) reference electrode under illumination. Dashed line shows potential for potentiostatic Cu deposition (-0.3 V vs Ag/AgCl).