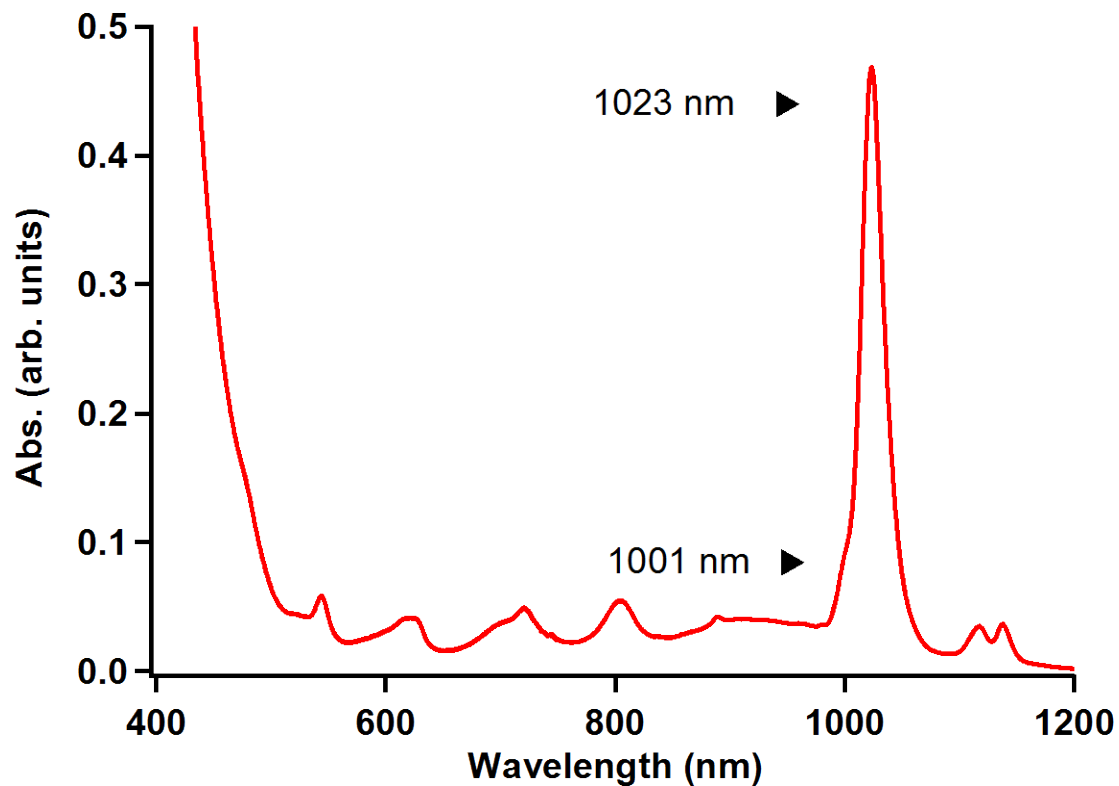


E.S.I. 1. Vis/nIR spectrum of 3 molar equivalents of $\text{Na}_9[\alpha\text{-BiW}_9\text{O}_{33}] \cdot 16\text{H}_2\text{O}$ added to an acidic aqueous $\{\text{NpO}_2\}^+$ stock with the pH raised to 7.09 prior to crystallization of $(\text{NH}_4)_{14}\text{Na}_4[(\text{Np}_3\text{W}_4\text{O}_{15})(\text{H}_2\text{O})_{39}\text{BiW}_9\text{O}_{33}]_3 \cdot 62\text{H}_2\text{O}$. The peak at 1023 nm is assigned to $[(\text{Np}_3\text{W}_4\text{O}_{15})(\text{H}_2\text{O})_{39}\text{BiW}_9\text{O}_{33}]^{18-}$, with the peak at 1001 nm attributed to a second $\{\text{NpO}_2\}^+$ complex.



E.S.I. 2. Vis/nIR spectrum of 3 molar equivalents of $\text{Na}_9[\alpha\text{-SbW}_9\text{O}_{33}] \cdot 20\text{H}_2\text{O}$ added to an acidic aqueous $\{\text{NpO}_2\}^+$ stock with the pH raised to 7 (solution spectrum – left axis) prior to crystallization of $(\text{NH}_4)_{14.5}\text{Na}_{3.5}[(\text{Np}_3\text{W}_4\text{O}_{15})(\text{H}_2\text{O})_{39}\text{SbW}_9\text{O}_{33}]_3 \cdot 40.5\text{H}_2\text{O}$ (solid state spectrum - right axis).

