1117-14-51 **Tif Shen***, jifeng.shen@yale.edu. *Compactified Jacobians and Break Divisors.* Preliminary report. We apply tropical methods to study the geometry of compactified Jacobians of genus g curves $\mathcal{X}$ over a DVR. Let $\overline{J_g}(\mathcal{X})$ be the degree g compactified Picard scheme of $\mathcal{X}$ introduced by Caporaso. Using break divisors, we show that all degree g Simpson compactified Jacobians of $\mathcal{X}$ are isomorphic to $\overline{J_g}(\mathcal{X})$. To do so, we prove that slope-stable rank-1 torsion-free sheaves on X are described by break divisors. (Received December 27, 2015)