1124-14-325 **Andrew Obus*** (andrewobus@gmail.com), Department of Mathematics, 141 Cabell Drive, Kerchof Hall, Charlottesville, VA 22904. *Good reduction of three-point Galois covers.*

We study Galois covers of the projective line branched at three points with Galois group G. When such a cover is defined over a p-adic field, it is known to have potentially good reduction to characteristic p if p does not divide the order of G. We give a sufficient criterion for good reduction, even when p does divide the order of G, so long as the p-Sylow subgroup of G is cyclic and the absolute ramification index of a field of definition of the cover is small enough. This extends work of (and answers a question of) Raynaud. Our proof (which will only be briefly sketched) depends on working very explicitly with Kummer extensions of complete discrete valuation rings with imperfect residue fields. (Received September 12, 2016)