Flip Commuting Maps of the 2-Shifts.

Let $(X_2, \sigma)$ be the 2-shift and let $f$ be the flip map. We wish to study $Aut(\sigma, f)$, the group of automorphisms that commute with the flip map. We will take two perspectives to this study. First, we will construct some automorphisms in $Aut(\sigma, f)$ other than the shift, its powers, and the flip map. Second, we will look at how large $Aut(\sigma, f)$ is as an abstract group. This is done primarily by examining the shift of finite type obtained by the quotient space of $(X_2, \sigma)$ by the action of $f$. (Received February 07, 2014)