

1116-VJ-2207 **Cynthia Northrup*** (cynthia.northrup@bellevuecollege.edu). *Toward the Consistency Strength of Stationary Set Reflection on Small Cardinals*. Preliminary report.

We obtain a model M for which every subset of ω_3 focusing on cofinality ω reflects at a point of cofinality ω_1 . That is, $M \models \text{Refl}(\omega_3, \omega, \omega_1)$. This is done by adjusting the methods of Gitik in order to get set reflection. This argument may help show the way to getting the consistency strength. (Received September 22, 2015)