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Josh Barnard* (jbarnard@jaguar1.usouthal.edu), Department of Mathematics & Statistics, University of South Alabama, Mobile, AL 36688. *Bounding surface actions on Gromov-hyperbolic spaces.*

We seek bounds on translation distance for an isometric action with positive injectivity radius of a surface group on a Gromov-hyperbolic space. In previous work we showed that there is always some point moved a bounded distance by a standard generating set. Here we prove a somewhat stronger result with applications to determining, in the case that the space is a 3-manifold, whether the action is geometrically and topologically tame. (Received August 29, 2011)