1106-53-985 **Michael Bradford Williams***, UCLA Mathematics Department, Box 951555, Los Angeles, CA 90095-1555, **Michael Jablonski**, Department of Mathematics, University of Oklahoma, Norman, OK 73019-3103, and **Peter Petersen**, UCLA Mathematics Department, Box 951555, Los Angeles, CA 90095-1555. *On the stability of expanding Ricci solitons.*

In previous work, the authors studied the linear stability of algebraic Ricci solitons on simply connected solvable Lie groups (solvsolitons), which are stationary solutions of a certain normalization of Ricci flow. Many examples were shown to be linearly stable, leading to the conjecture that all solvsolitons are linearly stable. This paper makes progress towards that conjecture, showing that expanding Ricci solitons with bounded curvature (including solvsolitons) are linearly stable after extension by a Gaussian soliton. As in the previous work, the dynamical stability of each metric follows from a generalization of the techniques of Guenther, Isenberg, and Knopf. (Received September 09, 2014)