Abstract Submitted for the DFD09 Meeting of The American Physical Society

On hydrostatic free surface flows¹ MICHAEL RENARDY, Virginia Tech — We consider the hydrostatic Euler equations in a strip bounded by two free surfaces. We show that the initial value problem is well-posed only if the horizontal velocity is uniform in every cross section of the strip.

¹Supported by the National Science Foundation.

Michael Renardy Virginia Tech

Date submitted: 05 Jun 2009

Electronic form version 1.4