Erratum:

Baker, J.W., 2005. Vector-Valued Ground Motion Intensity Measures for Probabilistic Seismic Demand Analysis, Ph.D. Thesis, Stanford University; Stanford, California. 321p. (co-published as Blume Center Technical Report #150 and PEER Technical Report 2006/08)

In equation 2.4, the parenthetical term in the numerator should be squared. The correct equation is:

$$\hat{Var}[e] = \sqrt{\frac{\sum_{i}^{n}\left(\ln edp_i - \left(\hat{a} + \hat{b}\ln im_i\right)\right)^2}{n-2}} \qquad (2.4)$$