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**Manfred Denker** and **Matthew Nicol\*** (nicol@math.uh.edu), 4800 Calhoun Road, Houston, TX 77204. *Erdős-Rényi laws for hyperbolic dynamical systems.*

We establish Erdős-Rényi limit laws for Lipschitz observations on a class of non-uniformly expanding dynamical systems, including logistic-like maps. These limit laws give the maximal average of a time series over a time window of logarithmic length. We also give results on the rate of convergence in the limit law. (Received September 12, 2010)