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Shandelle M Henson* (henson@andrews.edu). *Models of Reproductive Synchrony in Colonial Seabirds*. Preliminary report.

Decreased resource availability associated with high sea surface temperatures is correlated with a rise in egg cannibalism and reproductive synchrony in a seabird colony. Proof-of-concept models illustrate the onset of synchrony in two-cycle bifurcations. We compare the average of the two-cycles to the equilibrium level in the absence of synchrony. (Received September 14, 2016)