



Number of birds (kernel density)

**Fig. S10. Proportion of nocturnal bird migration by altitude and radar sweep coverage by year at Tribute in Light.** Vertical profiles of bird density constructed from radar data between 5-60 km from the KOKX radar in New York. Each panel represents a different year. We calculated the proportion of migration occurring beneath (or above) the radar beam at the light installation, out of sight of the radar. Labels describe the percentage of birds detected in the altitude (y-axis) sampled by each radar antenna elevation angle (0.5° in green, 1.5° in orange). From the 0.5° sweep proportions, we calculated the correction factor needed to estimate the total number of birds at all altitudes up to 4.5 km by finding the inverse. For example, the correction factor for 2015 was  $1/0.362 = 2.76$ .