Supplement of

Differential responses of seabirds to inter-annual environmental change in the continental shelf and oceanic habitats of southeastern Bering Sea

T. Yamamoto et al.

Correspondence to: T. Yamamoto (ytaka@nagoya-u.jp)

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Supplementary material A

Figure 1. The definition of foraging trip durations of red-legged kittiwakes (a) and thick-billed murres (b), estimated using immersion loggers (i.e. geolocators) or accelerator loggers conducted concurrently (RLKI: 26 July-2 August, n = 22 trips in 2013 and 14 trips in 2014, TBMU: 31 July-12 August, n = 9 trips in 2013 and 21 trips in 2014). Upward and downward arrows indicate departure from and arrival at the breeding site, respectively. For the immersion data, the foraging trip duration was defined as the time between the first and last landing on water before and after long dry event which is likely underestimated, though comparable between the years. For the accelerometer data, it was defined as when vigorous accelerations occurred.

Supplementary material B

Figure 1. Foraging locations of red-legged kittiwakes overlaid on sea surface height anomaly (AVISO, monthly mean in August) in 2013 (a) and 2014 (b). Red color represents positive anomaly (upwelling as a proxy for anticyclonic eddies) and blue color represents negative anomaly (downwelling as a proxy for cyclonic eddies).