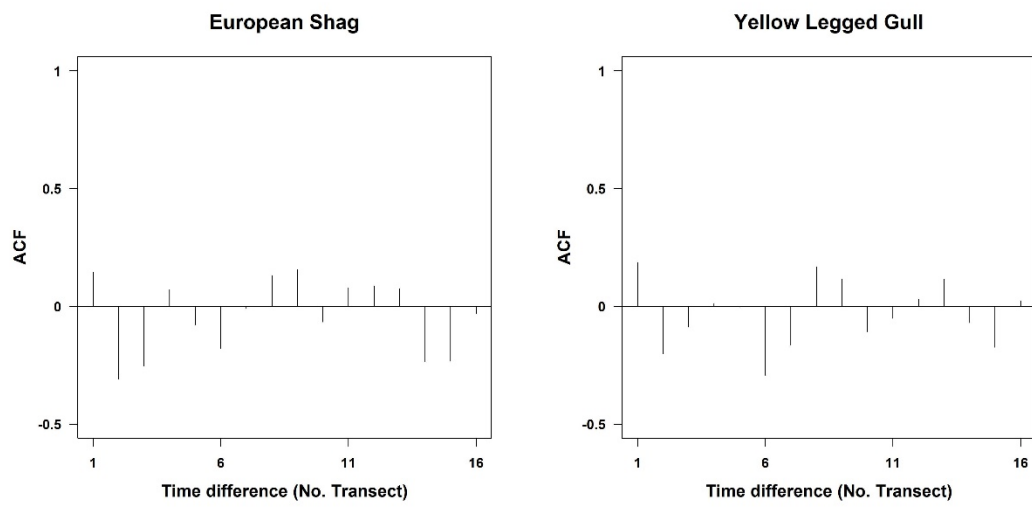


**Fig. S1:** Variations in mean tidal current direction ( $^{\circ}$ ) and depth-averaged speed ( $\text{m}\cdot\text{s}^{-1}$ ) across the ebb-flood cycle between 06 and 14 June 2018 in the study area.



**Fig. S2:** Temporal autocorrelation plots for residuals from Generalized Additive Models quantifying relationships between foraging seabirds and physical processes.