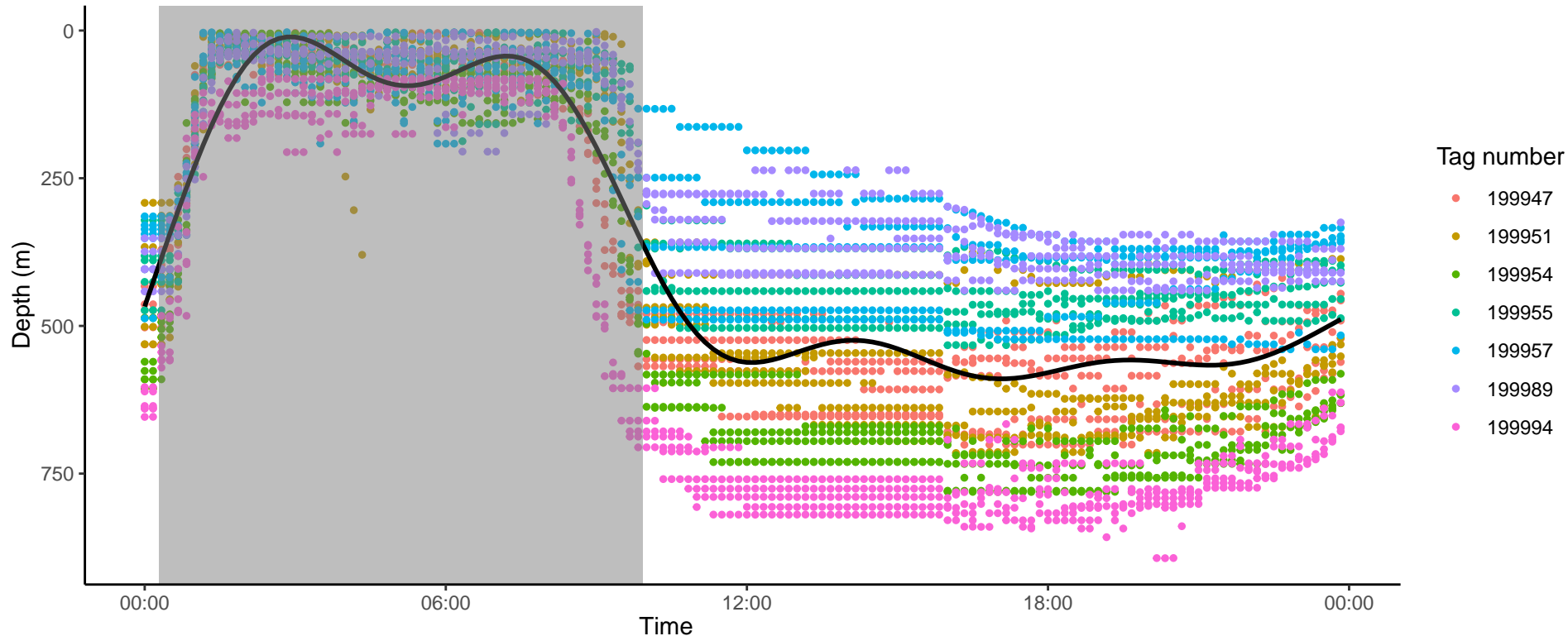


Swordfish daily cycle



Supplementary Figure 1. The average 24-h cycle (UTC) of movements made by swordfish (*Xiphias gladius*) that survived tagging and release from pelagic longline gear in the western North Atlantic Ocean in 2021 and 2023. The black line is the trend line, determined by using a generalized additive model, for the daily movements of these 7 tagged fish combined. The average times of sunrise and sunset were estimated by using the location and date of tag pop off in the [NOAA Solar Calculator](#), and the gray shaded area indicates the duration of night between these times. Data for 2 other swordfish (tags 199966 and 199973) were removed from analysis because of outlier values.