

Fish community structure, habitat complexity, and soundscape characteristics of patch reefs in a tropical, back-reef system

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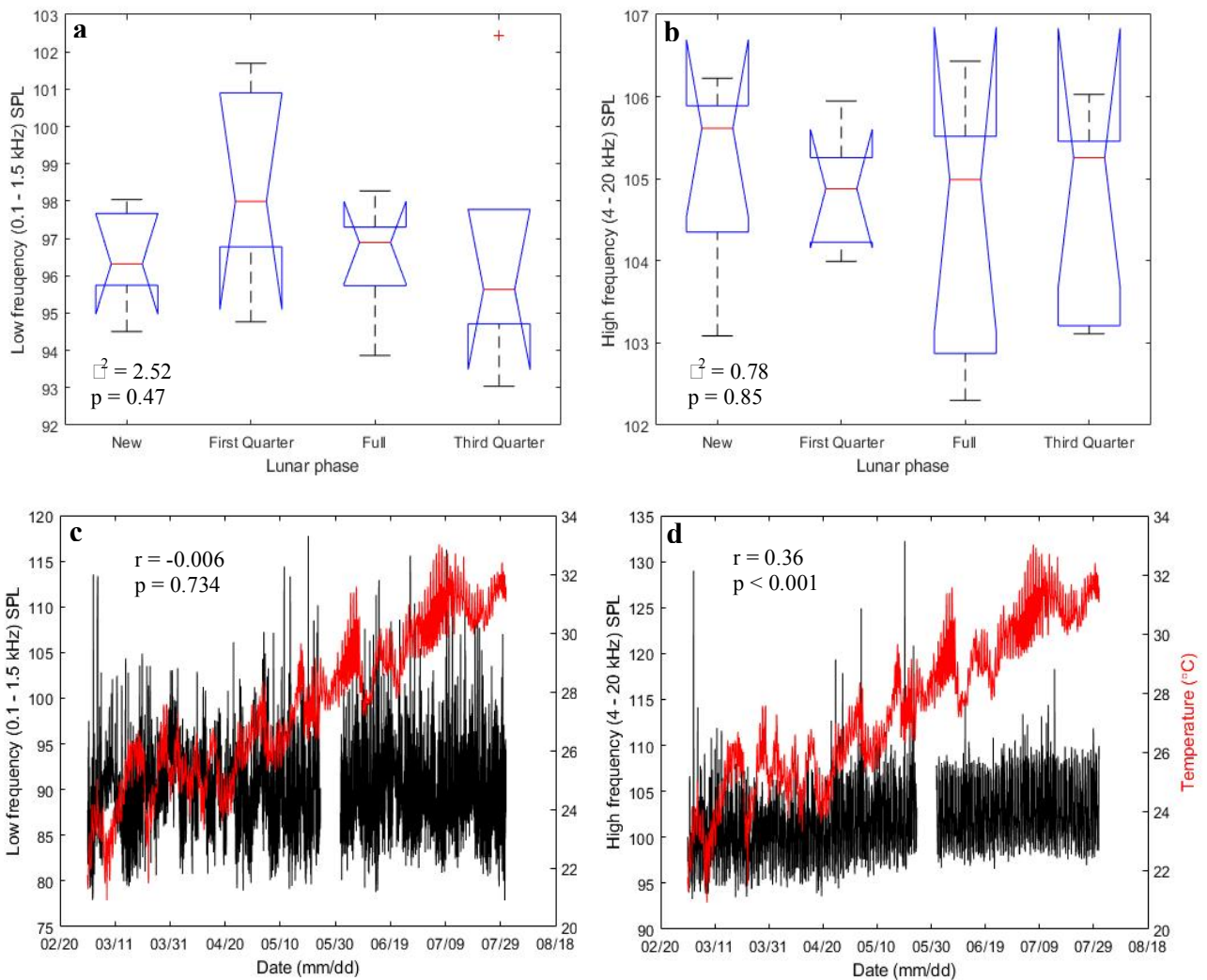


Fig. S1. Box plots for nightly low frequency (0.1 – 1.5 kHz) SPL (a) and high frequency (4 – 20 kHz) SPL (b) for reef 5 for each lunar quarter. Red lines indicate median SPLs, ticks indicate maximum and minimum values, horizontal blue lines indicate 75% and 25% quantiles, and angled blue lines indicate the 95% upper and lower confidence levels in the median. Kruskal-Wallis tests were used to test for differences in SPL between lunar quarters. Relationships between water temperature (in $^{\circ}\text{C}$) and low frequency (0.1 – 1.5 kHz) SPL (c) and high frequency (4 – 20 kHz) SPL (d) were evaluated using linear regression models.

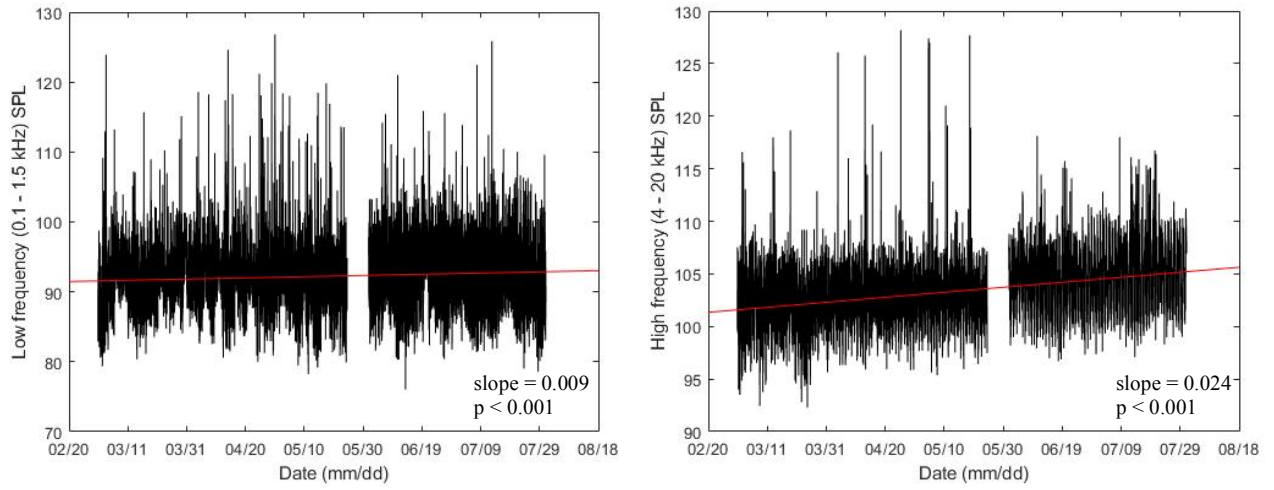


Fig. S2. Median low frequency (0.1 – 1.5 kHz) SPL (a) and high frequency (4 – 20 kHz) SPL (b) of each recording for reef 5 over both deployments. Red lines indicate fitted linear models for SPL and time for the dataset.