FIG. 1. (top) The artificial time series comprising sine waves of eight different periods (1, 2, 4, 8, 16, 32, 64, and 128 days). Also shown are the wavelet power spectra in logarithm (base 2) (left middle) without rectifying and (left bottom) rectified, and (right bottom) the global wavelet power spectra of the artificial time series. High (red) and low (blue) wavelet power spectrum values are indicated. The COI, where zero padding has reduced the variance, is shown (white shaded regions).