



Figure 3. Results of cross-spectral analysis<sup>24</sup> between the normalized Maiana coral record and other normalized Pacific datasets. The Maiana variance (in red) is compared with a) Niño 3.4 SST (1856-1992; in blue) and b) a coral record from Tarawa Atoll (1893-1989; in blue). Smooth red and blue lines are 90% confidence limits. Coherency between records is shown in green, with the 95% confidence level indicated. The Maiana record is coherent (>95% confidence) with both the Niño 3.4 and the Tarawa records for all significant concentrations of variance at periods between 2 and 12 years (shaded). Maiana variance spectra differ between these panels because the interval of analysis differs; the univariate spectrum of the full-length Maiana time series (not shown) has significant features as described in the text.

from Urban et al. 2000