



Fig. 12.4. A Wavelet Tour of Signal Processing, 3<sup>rd</sup> ed. (a): Original bird song. (b): Noisy signal (SNR = 12 db). (c): Heisenberg boxes of the set  $\tilde{\Lambda}_T$  of estimated best orthogonal local cosine vectors. (d): Estimation reconstructed from noisy local cosine coefficients in  $\tilde{\Lambda}_T$  (SNR = 15.5 db).