Example01
Introductory; to be studied in the beginning.
China deep-focus Mw 6.9 earthquake. Non-DC components.

Example02
Forward simulation for synthetic test with noisy data. Inversion of synthetic data resembling a Portugal shallow Mw 4 earthquake.

Example03
Portugal, a shallow Mw 4 earthquake (real data).

Example04
Peloponnese, intermediate-depth Mw 5.9 earthquake. Behavior of different covariance matrices. Well-resolvable non-DC components.

Example05
Peloponnese, aftershock Mw 4.7 of the earthquake from Example 04. Inversion of waveform envelopes.

Example06
Corinth rift, shallow Mw 5.3 earthquake. Hardly resolvable non-DC components.

The examples do not contain references; see Papers_to_read.zip file.
Regarding covariance matrices, our approach is similar to Vackar et al., GJI (2017) with a significant difference: our data error is assumed to be represented by residuals between observed and synthetic waveforms.