

Supplementary Material for the paper “Optimized Workflows with a Single Phase-only Response correction for Building Empirical Green’s Functions for Ambient-Noise Tomography”

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Contents

| | | |
|----------|---|----------|
| 1 | Residuals for Empirical Green’s Functions in California and Brazil | 2 |
| 2 | Additional EGFs and Residuals in Brazil | 3 |
| 3 | Residuals for EGFs in Uganda | 7 |

1 Residuals for Empirical Green's Functions in California and Brazil

This section shows residuals between empirical Green's functions (EGFs) computed with the two workflows for one station pair in California and three station pairs in Brazil.

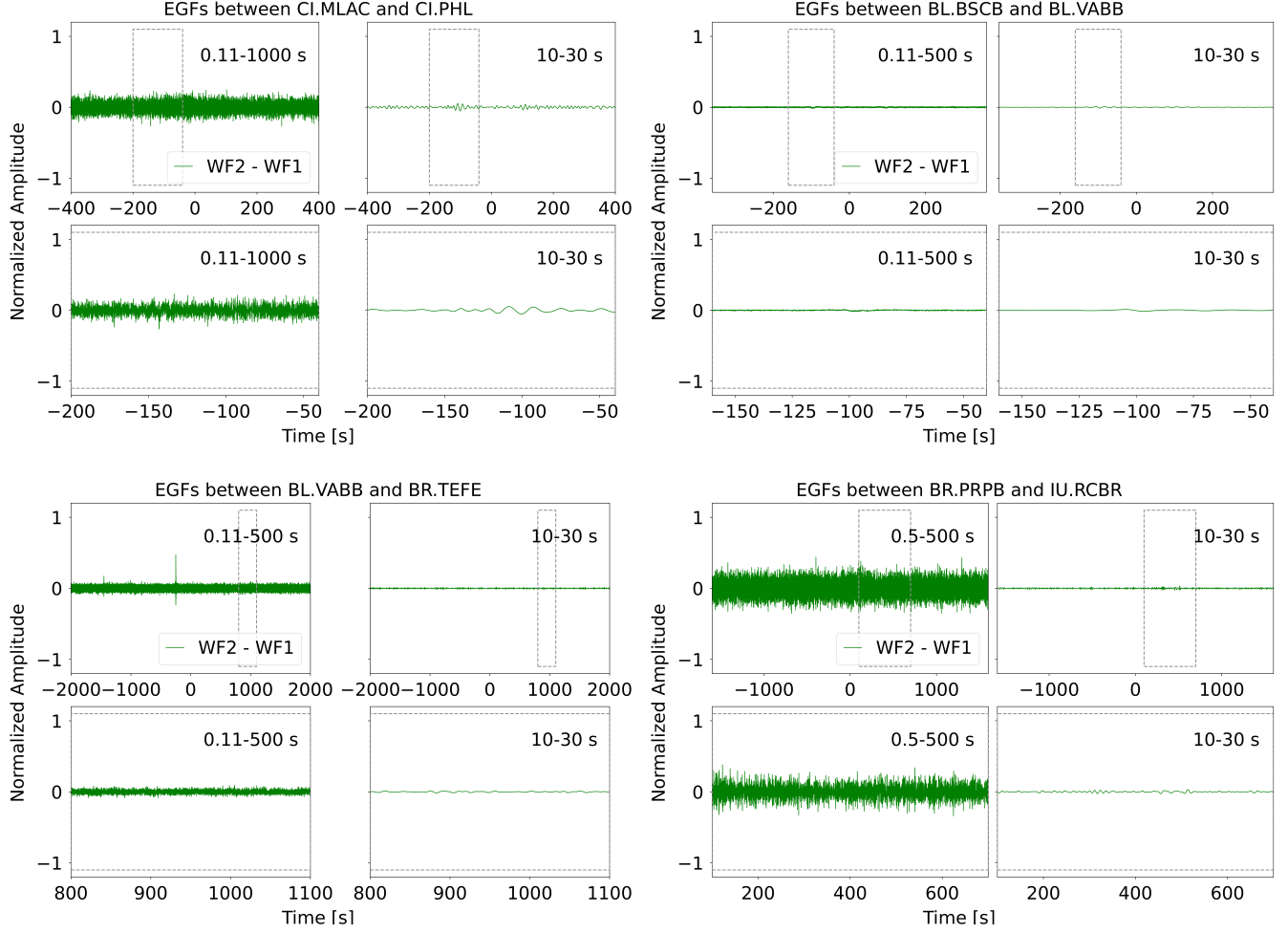


Figure S1: Residuals between EGFs calculated using WF1 and WF2 for the station pair MLAC–PHL in California (upper left) and the Brazilian pairs BSCB–VABB (upper right), VABB–TEFE (lower left), and PRPB–RCBR (lower right). See Figs. 4 and 5 in the main paper.

2 Additional EGFs and Residuals in Brazil

This section shows additional EGFs computed with WF1 and WF2 for several Brazilian station pairs, together with the corresponding residuals.

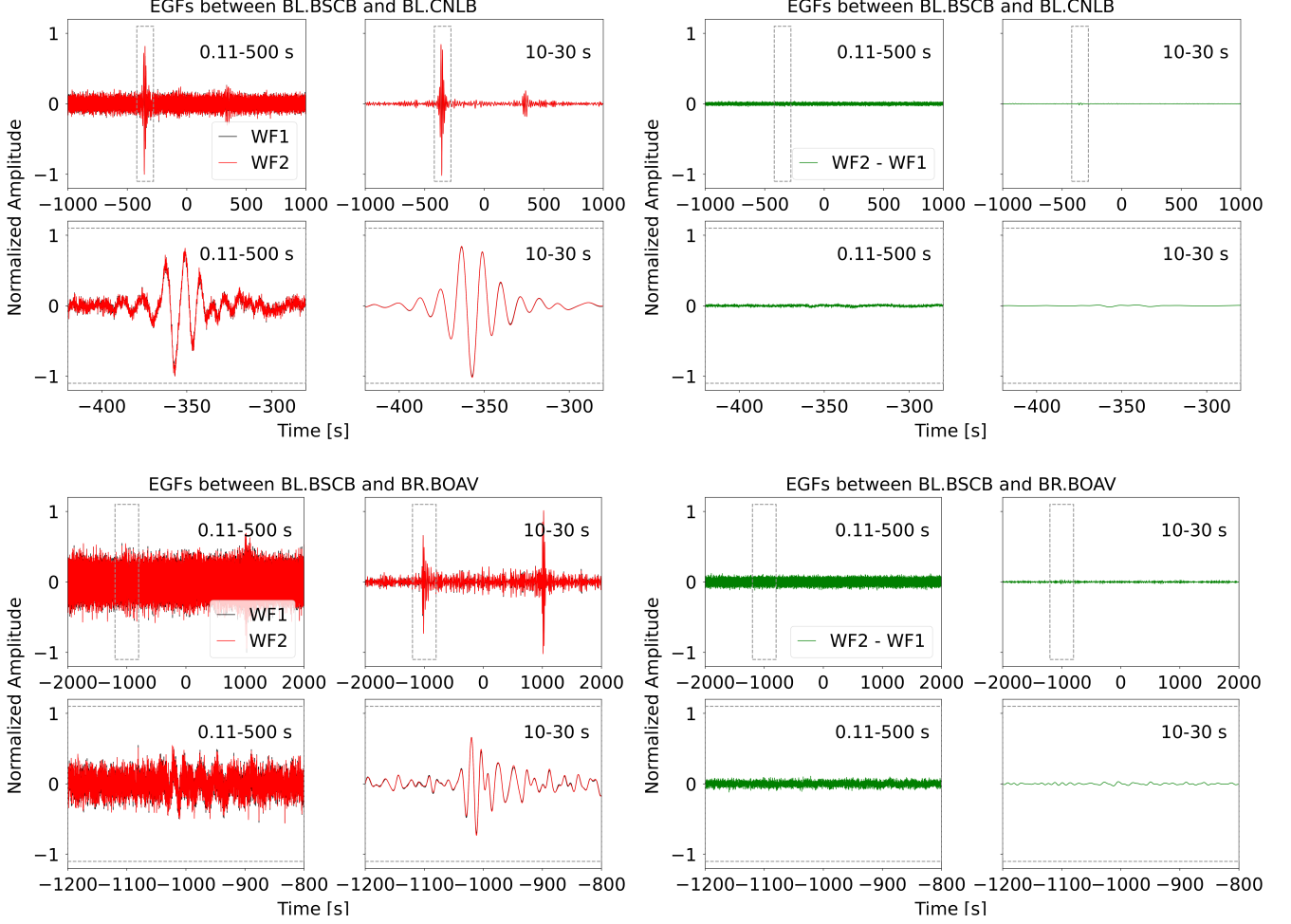


Figure S2: EGFs computed with WF1 and WF2 for station pairs BSCB–CNLB (upper left) and BSCB–BOAV (lower left). The residuals between WF1 and WF2 are shown in the upper-right and lower-right panels, respectively.

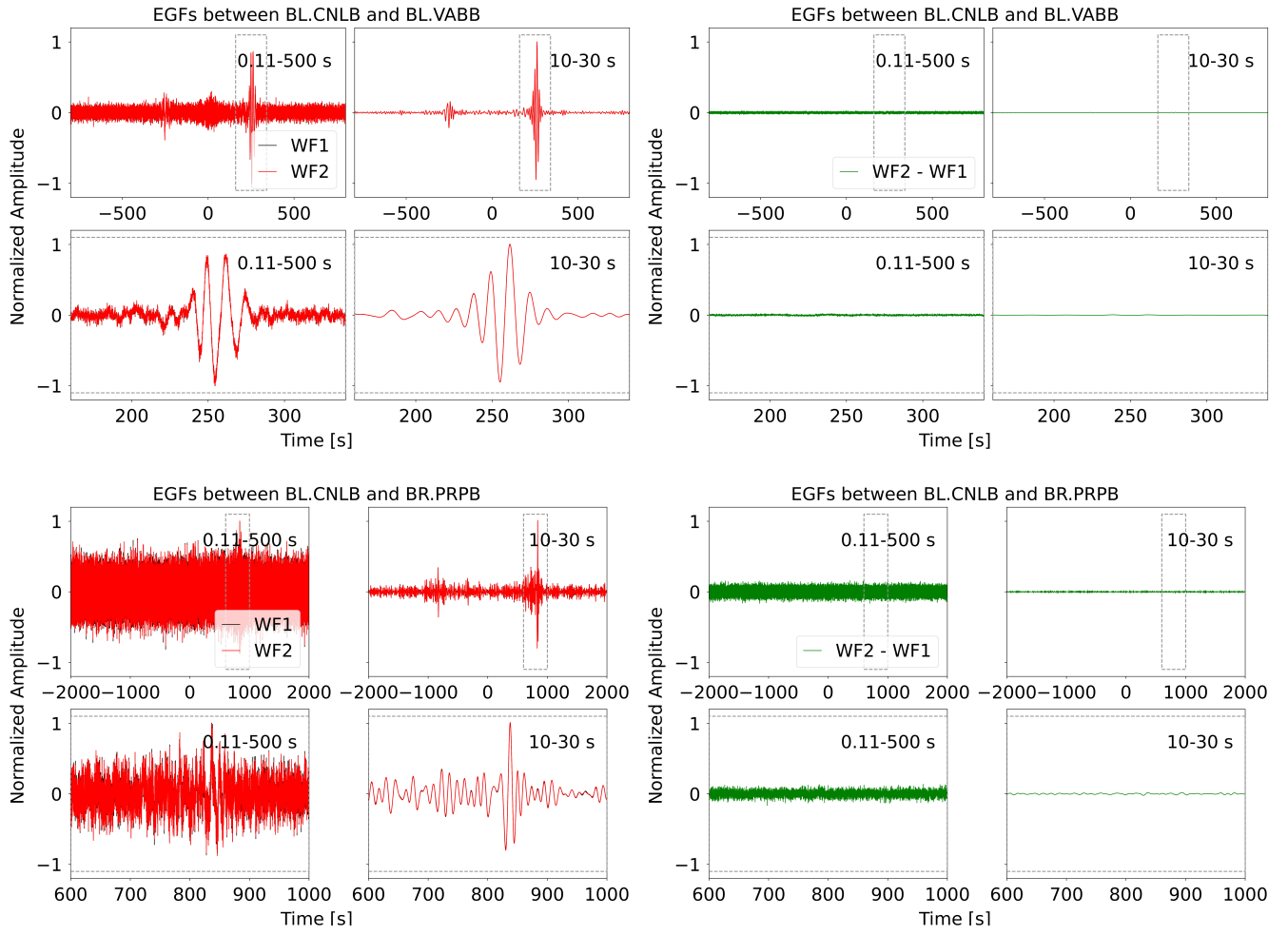


Figure S3: Same as the previous figure, but for station pairs CNLB–VABB and CNLB–PRPB.

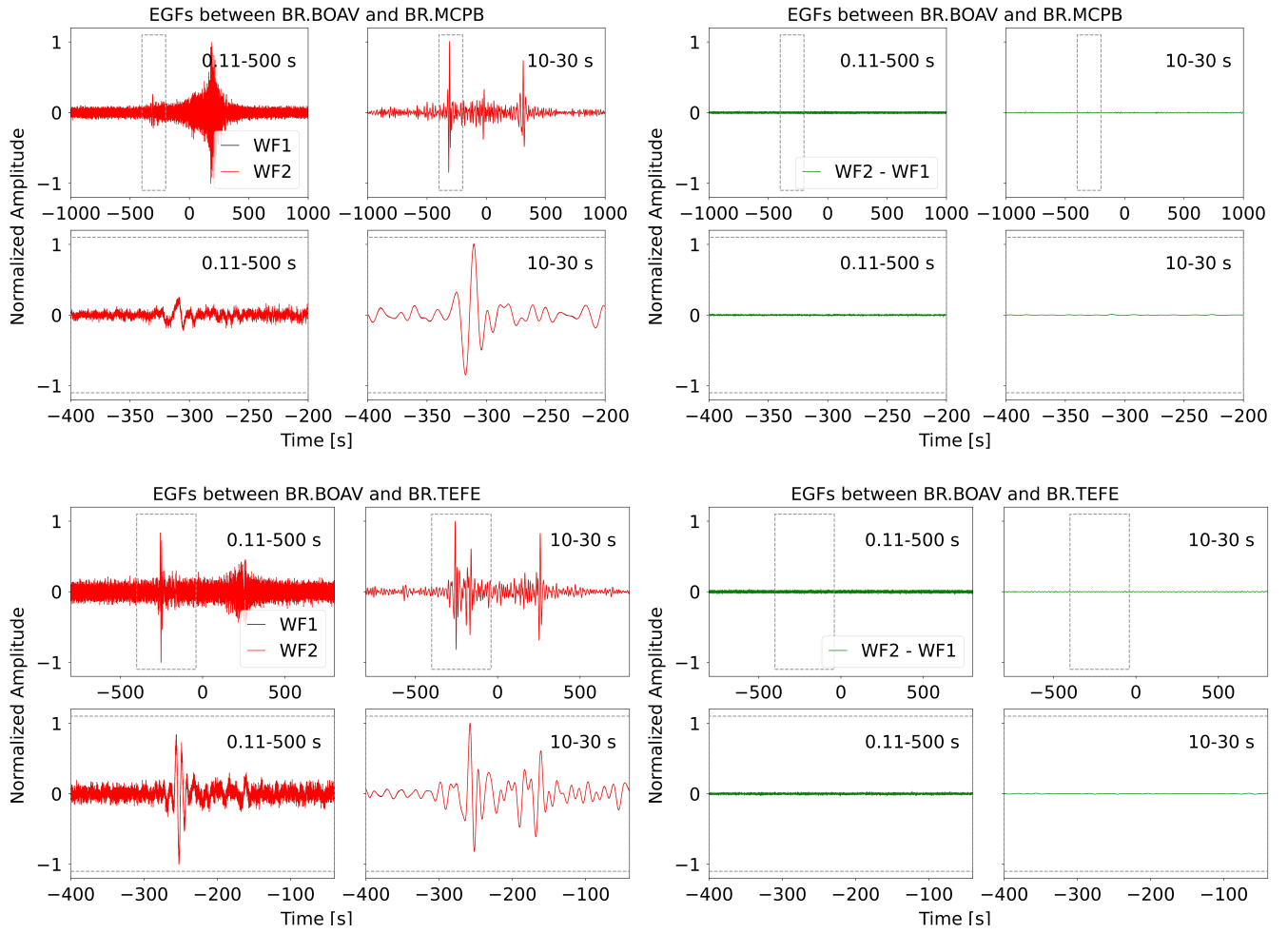


Figure S4: Same as the previous figure, but for station pairs BOAV–MCPB and BOAV–TEFE.

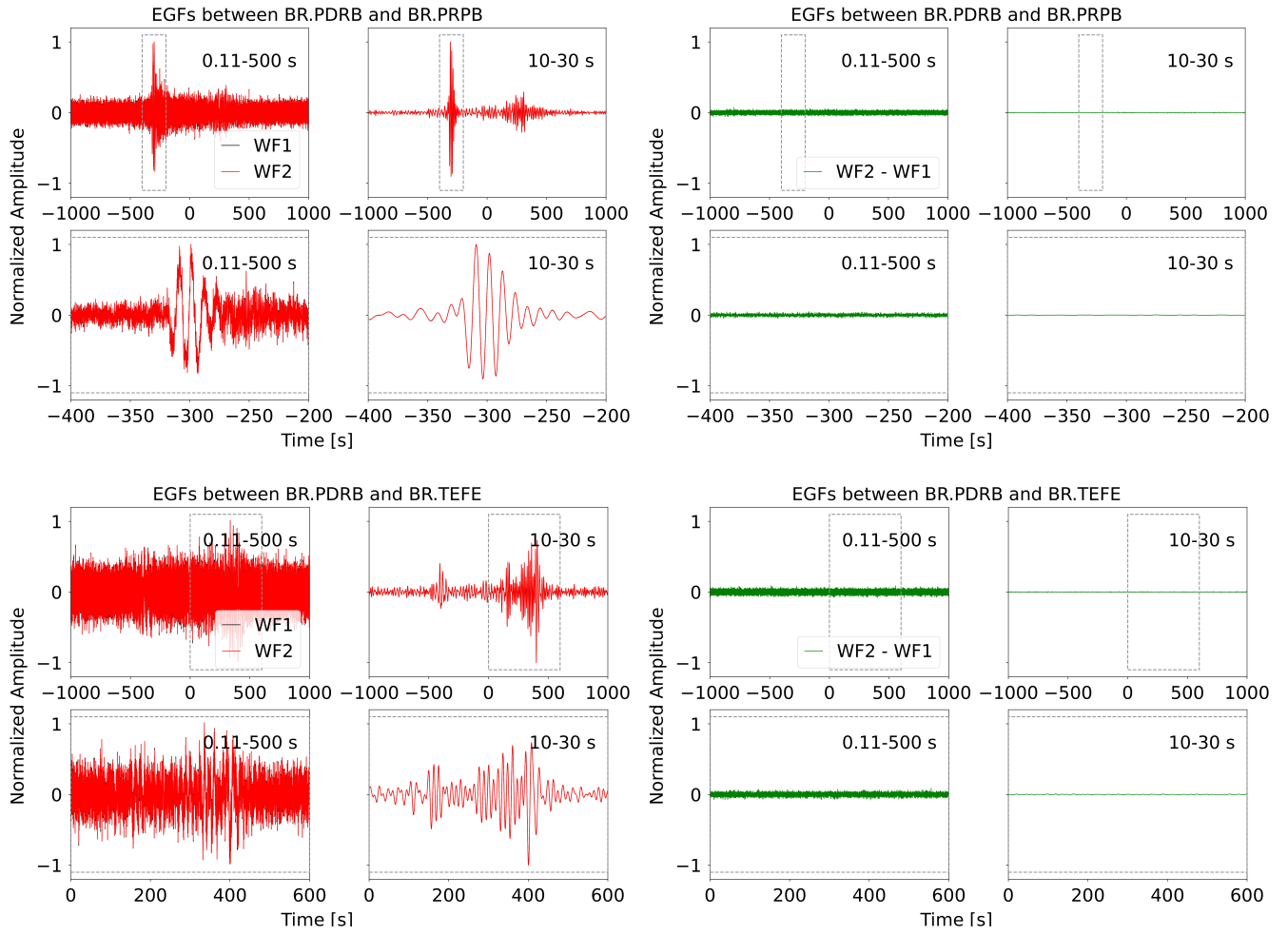


Figure S5: Same as the previous figure, but for station pairs PDRB–PRPB and PDRB–TEFE.

3 Residuals for EGFs in Uganda

This section shows residuals between EGFs computed with the two workflows for station pairs in Uganda.

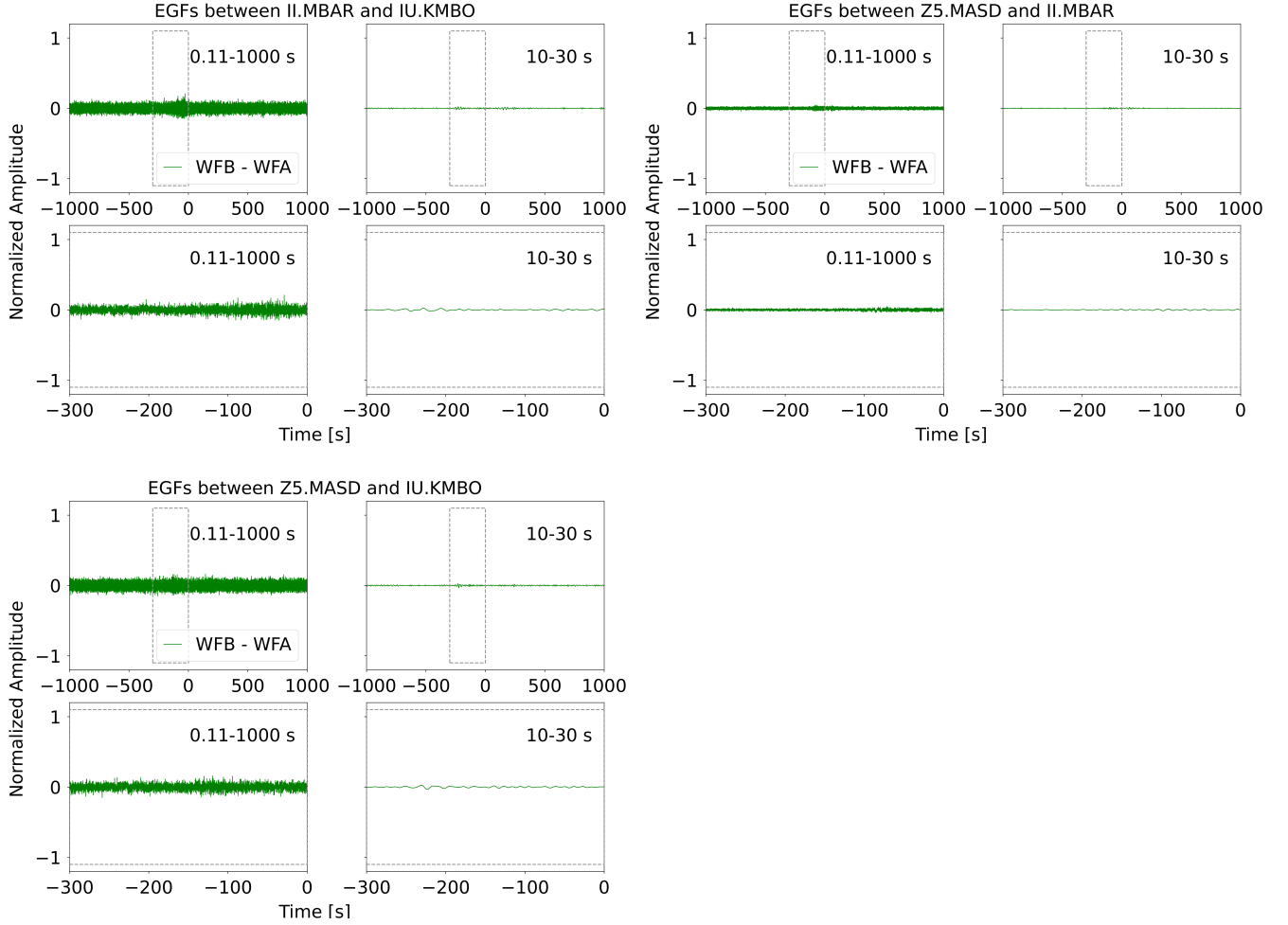


Figure S6: Analogous to Fig. S1, but for Ugandan station pairs: MBAR–KMBO (upper left), MASD–MBAR (upper right), and MASD–KMBO (lower left). See Fig. 7 in the main paper.