

RegSEM-Specfem Benchmark: Ocean

March, 2021

Test description

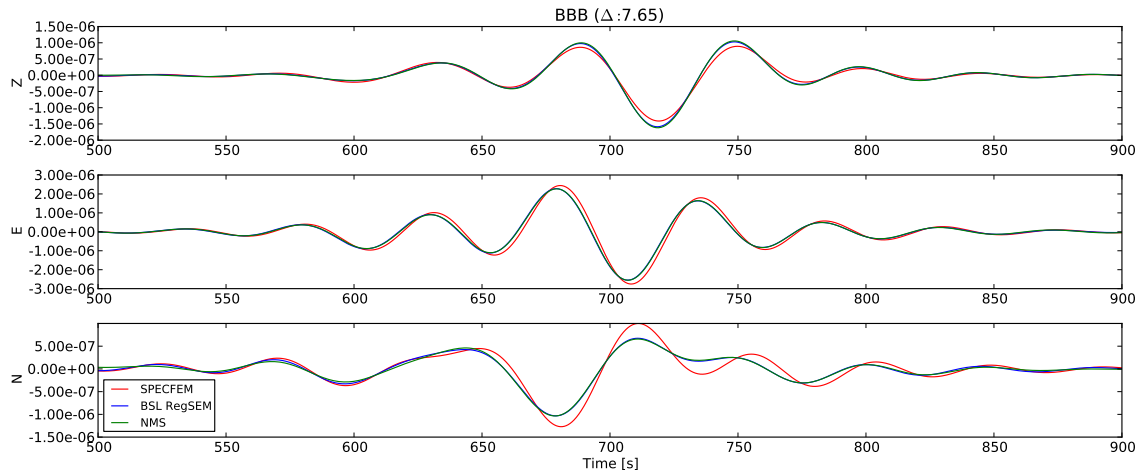
- Spherical Earth: ON
- Anisotropy: ON
- Oceans: ON
- Gravity: OFF
- Attenuation: OFF
- Ellipticity: OFF
- Topography: OFF

Model: Preliminary Earth Reference Model

RegSEM-Specfem-NMS waveforms: Test #1

Specfem:

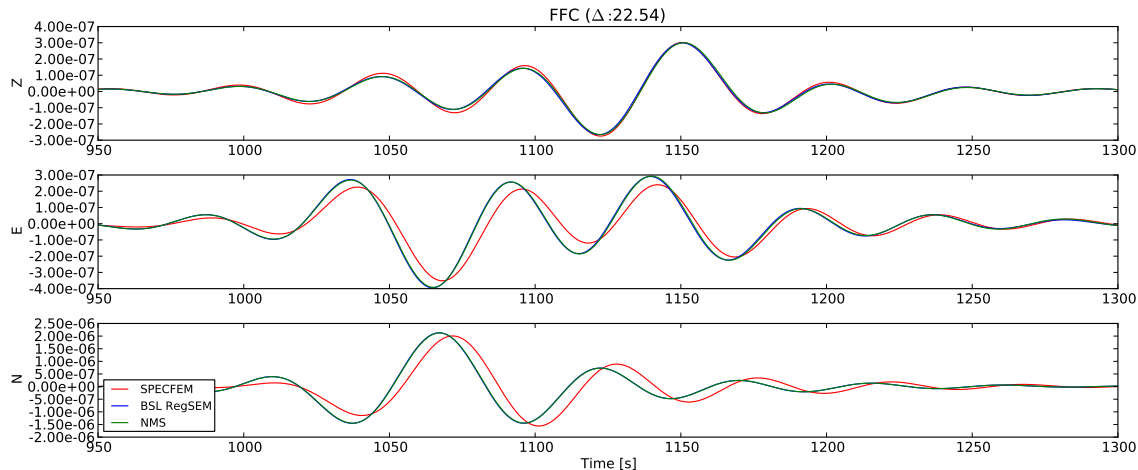
Layer 6368-6371 km: Vs, Vp, and rho of solid crust. Earth radius: 6371 km



RegSEM-Specfem-NMS waveforms: Test #1

Specfem:

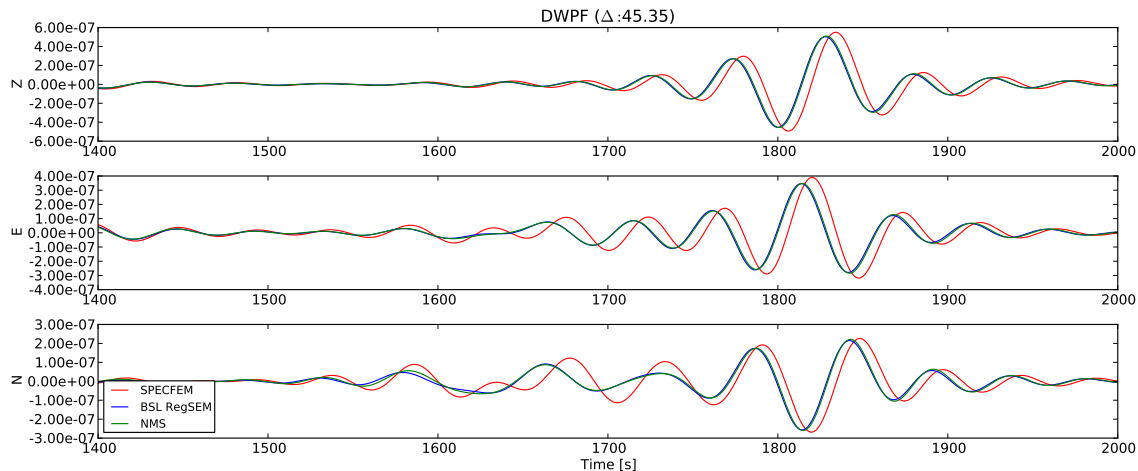
Layer 6368-6371 km: Vs, Vp, and rho of solid crust. Earth radius: 6371 km



RegSEM-Specfem-NMS waveforms: Test #1

Specfem:

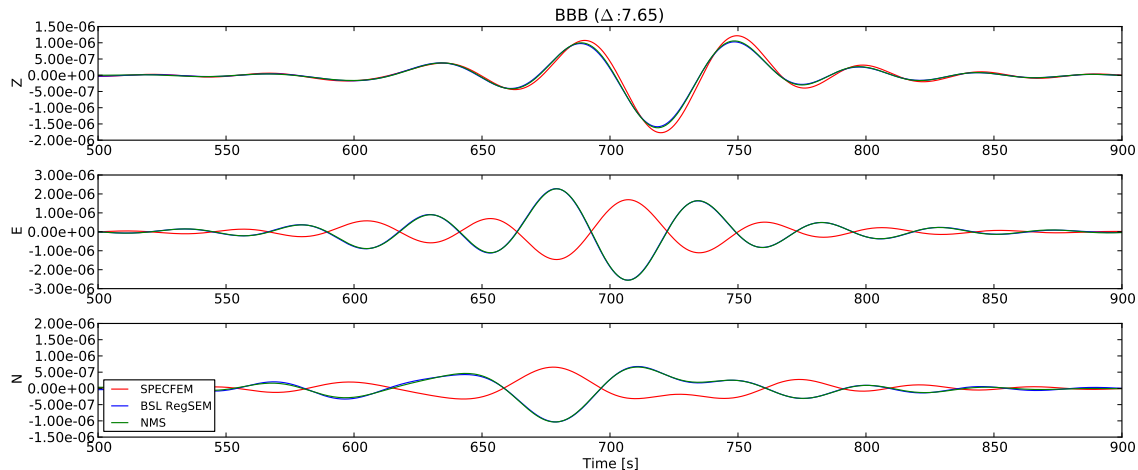
Layer 6368-6371 km: Vs, Vp, and rho of solid crust. Earth radius: 6371 km



RegSEM-Specfem-NMS waveforms: Test #2

Specfem:

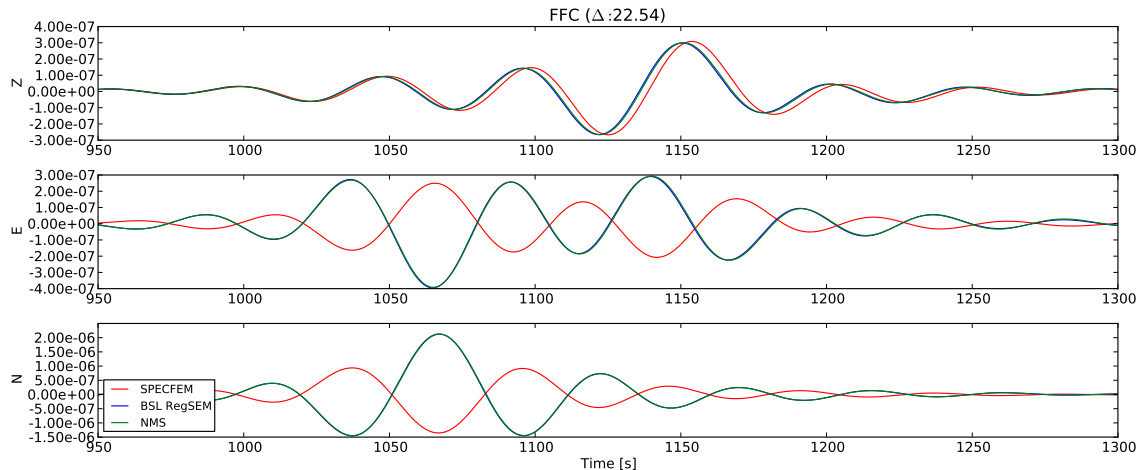
Layer 6368-6371 km: Vs, Vp, and rho of water. Earth radius: 6371 km



RegSEM-Specfem-NMS waveforms: Test #2

Specfem:

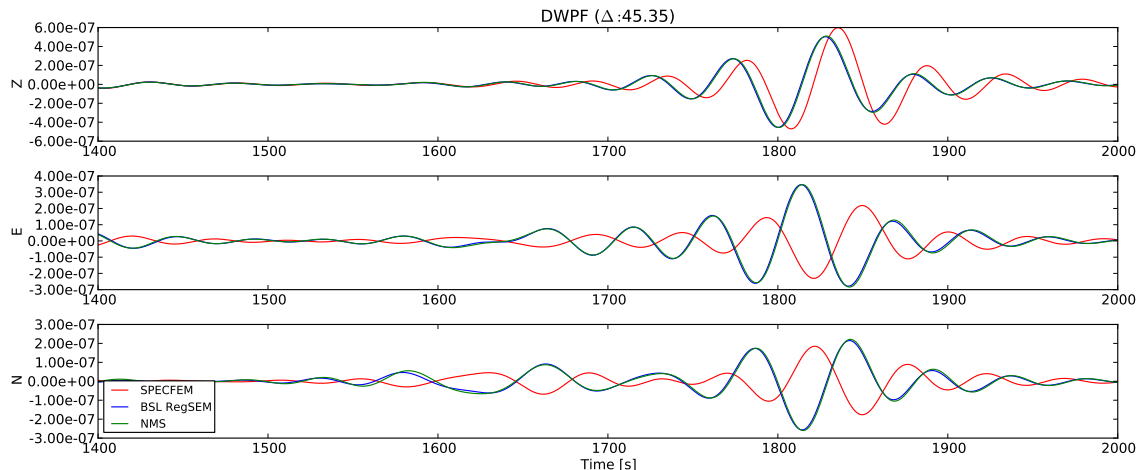
Layer 6368-6371 km: Vs, Vp, and rho of water. Earth radius: 6371 km



RegSEM-Specfem-NMS waveforms: Test #2

Specfem:

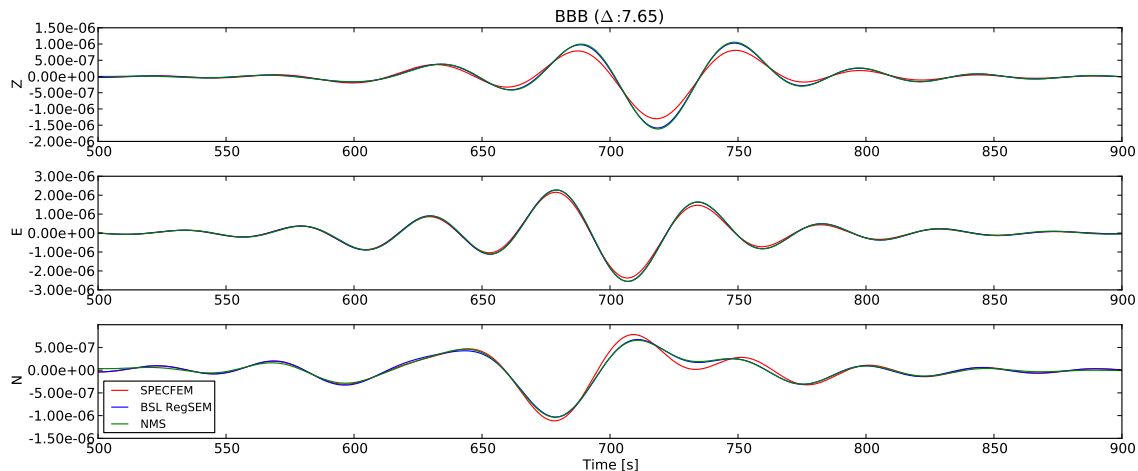
Layer 6368-6371 km: Vs, Vp, and rho of water. Earth radius: 6371 km



RegSEM-Specfem-NMS waveforms: Test #3

RegSEM and Specfem:

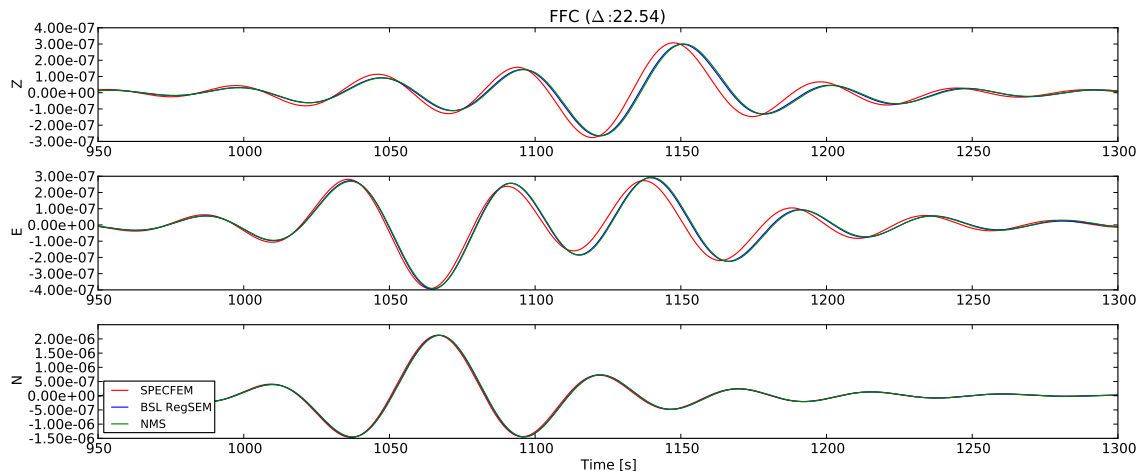
Earth radius: 6368 km



RegSEM-Specfem-NMS waveforms: Test #3

RegSEM and Specfem:

Earth radius: 6368 km



RegSEM-Specfem-NMS waveforms: Test #3

RegSEM and Specfem:

Earth radius: 6368 km

