

**Table 1.** Velocity structure model used for hypocenter determination and slip inversion.

The S-wave models are assumed by scaling the P-wave velocities by a factor of  $1/\sqrt{3}$ .

| Layer | h (km) | $V_p$ (km/s) | $V_s$ (km/s) | $\rho$ (kg/m <sup>3</sup> ) | $Q_p$ | $Q_s$ |
|-------|--------|--------------|--------------|-----------------------------|-------|-------|
| 1     | 0.0    | 5.5          | 3.2          | 2500                        | 400   | 200   |
| 2     | 3.0    | 6.0          | 3.5          | 2700                        | 600   | 300   |
| 3     | 22.0   | 6.6          | 3.8          | 3000                        | 800   | 400   |
| 4     | 31.0   | 7.8          | 4.5          | 3200                        | 1000  | 500   |