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S-wave reflectors beneath the fault planes of 1996 Onikobe earthquakes (M5.9, M5.7), northeastern Japan

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We have detected S-wave reflectors (bright spots) beneath the source region of 1996 M5.9 and M5.7 Onikobe earthquakes, northeastern Japan, and located them by using SxS-S travel times recorded at temporary seismic stations. Nearly-vertical reflectors shallower than about 4 km are located just beneath caldera rims of the Onikobe caldera. Slightly dipping reflectors are located just beneath the fault plane of the M5.9 reverse-fault type earthquake, and almost horizontal reflectors are located under the fault of the M5.7 strike-slip type event.