

VE~1

Diagram illustrating the distance from the station to the fault ($X_f = 41 \text{ km}$) and the distance from the station to the epicenter (4.5 km).

Diagram illustrating a right-angled triangle with the following parameters:

- Horizontal distance (base): $X_f = 41 \text{ km}$
- Vertical distance (height): 4.5 km
- Angle at the bottom right vertex: $\Phi = 17^\circ$

Hd = 3859 m (from Φ and Te_{avg})