Source estimation for shot gather # 2

Look at data

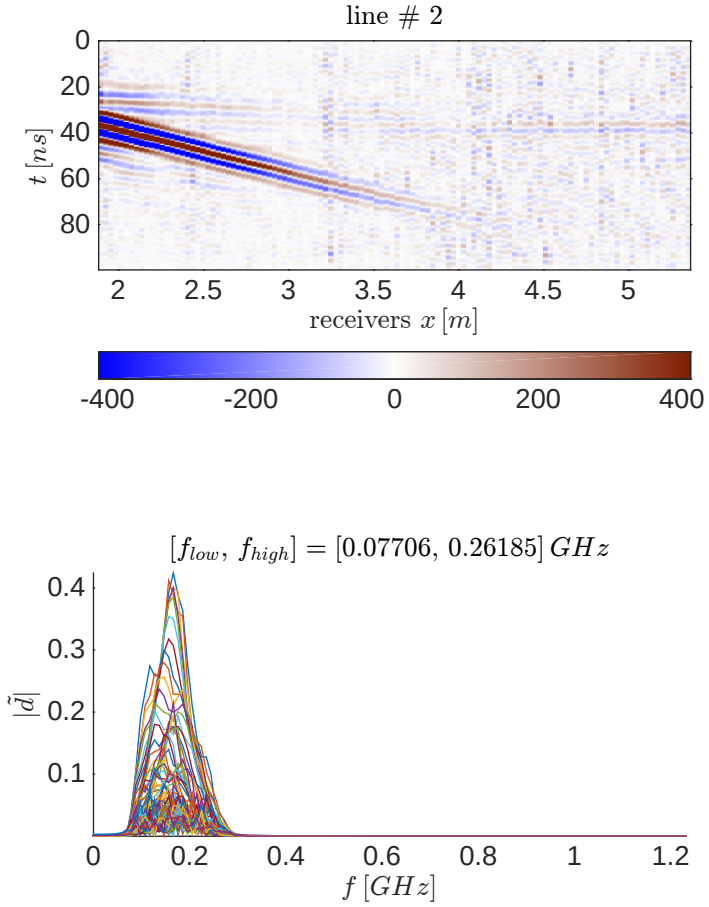

Figure 1: Shot gather # 2 in time and frequency.

Linear move-out $\rightarrow$ stack $\rightarrow$ time shift

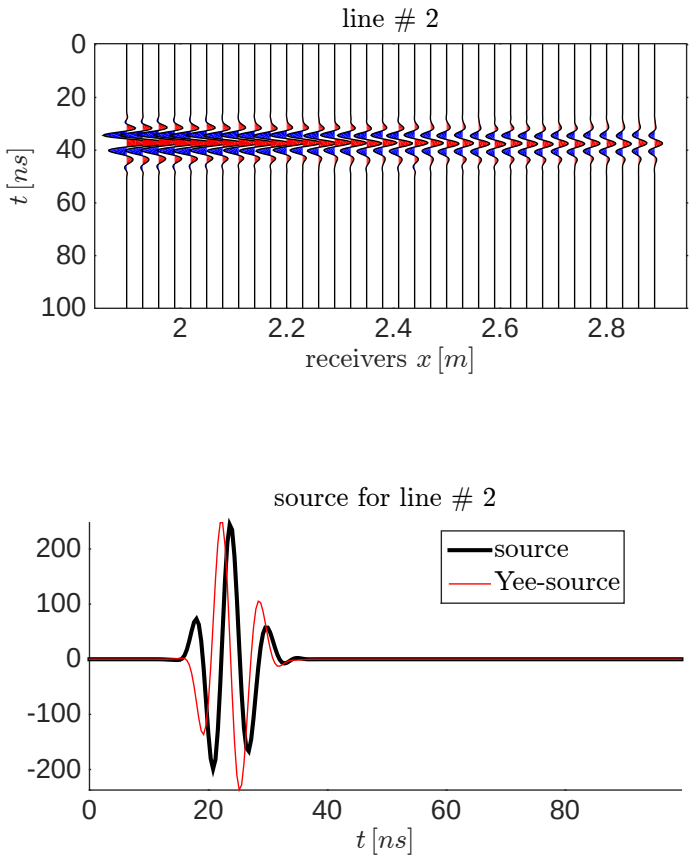

Figure 2: Shot gather # 2: linear move-out and source estimation with no amplitude correction.

Amplitude

The hyperbolic and gaussian amplitude fits are,

$$a_h(\Delta sR) = \frac{d}{(\Delta sR + b)^c} \qquad (d, b, c) = (9610, 1.39, 3.67) \qquad (1)$$

$$a_g(\Delta sR) = d \cdot \exp\left\{\frac{-(\Delta sR - b)^2}{2c^2}\right\} \qquad (d, b, c) = (558, 0.0972, 1) \qquad (2)$$

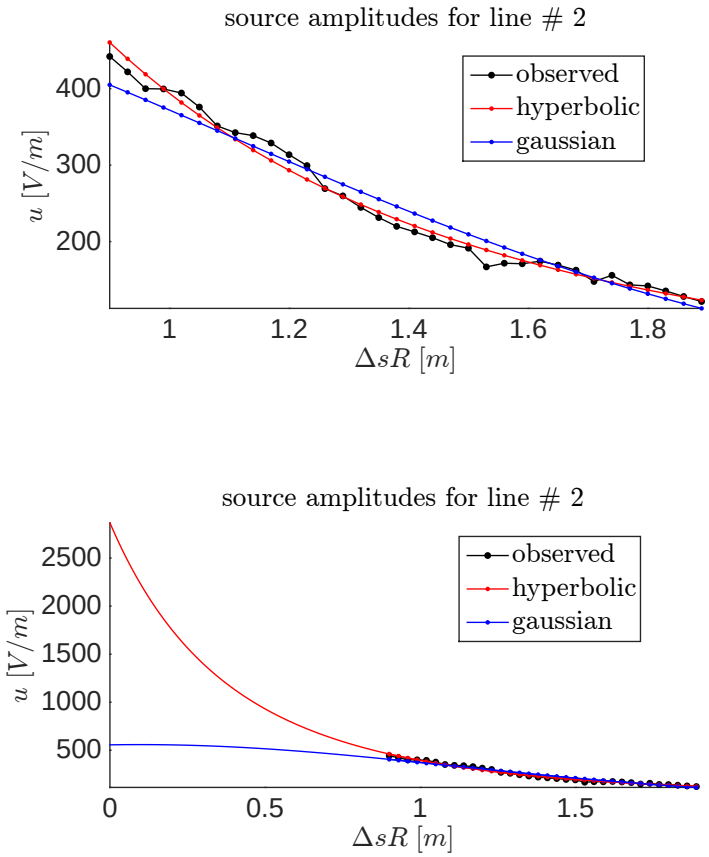

Figure 3: Shot gather # 2: source amplitudes over source-receiver distance (ΔsR).