

## ***Interactive comment on “A Compact Ocean Bottom Electromagnetic Receiver and Seismometer” by Kai Chen et al.***

**Anonymous Referee #1**

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Seismic reflection data were acquired in 2000 onboard R/V Jan Mayen, using a double sleeve gun (0.6 l each) towed at w4 m depth and a floating single-channel streamer at short offsets. The frequency content ranges from 30 to 450 Hz, with peak frequency centred around 100 Hz. The overall quality of the records is high, with good signal-to-noise ratio and a sub-surface penetration of up to 1 s. Seismic profile JM00-026 presented in this paper (Fig. 4) is 71 km long, with an average shot spacing of 27.2 m. Data processing included frequency filtering, amplitude corrections and Stolt migration (Mienert et al., 2005).

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