

Investigating Vibroseis Sweeps using 6 Rotational Sensors in Fürstenfeldbruck, Germany Gizem Izgi⁽¹⁾, Eva P.S. Eibl⁽¹⁾, Frank Krüger⁽¹⁾, Felix Bernauer⁽²⁾

Introduction

To further investigate and compare recently developed rotational sensors an experiment was made in Fürstenfeldbruck area. Within this scope, a vibroseis truck was operated starting from 20 November 2019, 11:00 UTC until 21 November 2019, 14:00 UTC. We recorded 480 Sweep signals in a broad frequency range between 7 to 120 Hz at 160 different locations. Each sweep lasted 15 seconds.

The Sensor & The Source

blueSeis-3A (exail)



Thomas, VIB 3246

The Field

Sweep Locations at 20 m to 1.5 km Distance to Sensor Installations within Two Days - 160 ▲ Rotational Sensors 48.164 · 48.162 120 \$ **o** 48.16 **4**8.158 00 00 00 00 48.156 · **—** 48.154 48.152 00 00 00 00 00 00 1 48.150 11.2675 11.2700 11.2725 11.2750 11.2775 11.2800 11.2825 Sweep Count Longitude (°)



- 300

200 🗄

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