Project Plan - Constraining the Hemispherical Structure in the Hidden Layer At the Top of the Earth's Inner Core

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Abstract

1 Introduction

2 Papers

- Nissen-Meyer et al. (2014) - Describes the AxiSEM waveform modelling software. Discusses the need for full waveform modelling, and the computational constraints that AxiSEM overcomes.
- Waszek & Deuss (2013) - Calculate attenuation properties, after taking into account velocity structure from Waszek & Deuss (2011).
  - Large enough earthquakes to provide visible signal.
  - Deep enough to prevent surface reflection interference.
  - Filter from 0.7 Hz to 2 Hz.

References

Nissen-Meyer, T., van Driel, M., Stähler, S. C., et al. 2014, Solid Earth, 5, 425

Waszek, L., & Deuss, A. 2011, Journal of Geophysical Research, 116, B12313

—. 2013, Geophysical Journal International, 195, 2005