

Data analysis of recordings of slow earthquakes: Tectonic tremor, low frequency earthquakes and slow slip events

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1 Introduction

2 Proposed PhD Research

2.1 Depth of the source of the tectonic tremor in the eastern Olympic Peninsula

Is the source of the tectonic tremor located on the plate boundary? What is the thickness of the tremor source region?

Motivation

Completed work

Future work

2.2 A low-frequency earthquakes catalog for Northern California

Do LFE families behave similarly or differently in Northern California, compared to northern Washington and the San Andreas fault?

Motivation

Completed work

Future work

2.3 Detection of slow slip events in New Zealand

Can we detect small and / or longer slow slip events in the absence of spatially and temporally correlated tectonic tremor?

Motivation

Completed work

Future work

Figures