

1 Supplementary Material

Tomographic Imaging of Agung Volcano Complex, Bali Indonesia from Ambient Seismic Noise Field

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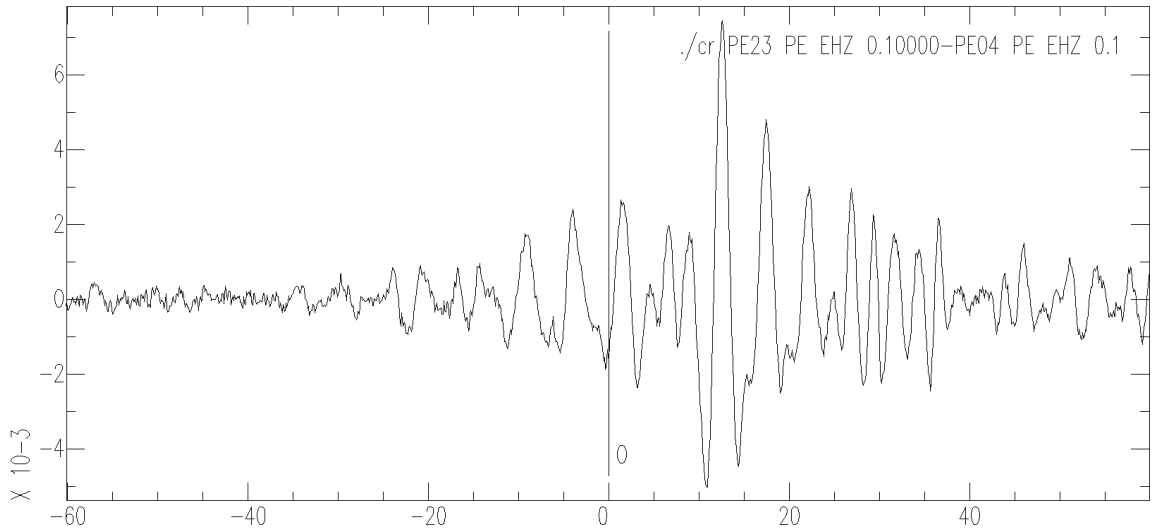
17 **Supplementary Table S1:** Table of Agung Seismic Experiment station location

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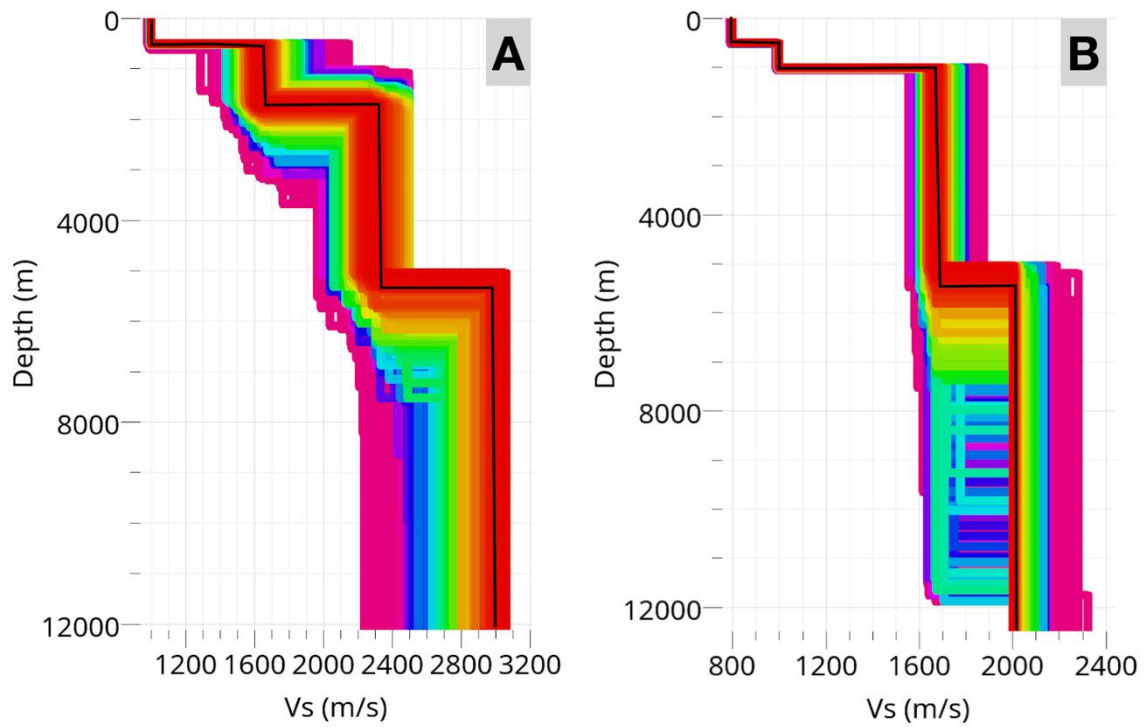
No.	ID	Type	Position		
			Longitude	Latitude	Elevation (m)
1	PE12	BB	115.19727	-8.12849	290
2	PE20	BB	115.32890	-8.20799	1720
3	PE19	BB	115.24218	-8.30233	957
4	PE14	BB	115.14085	-8.20101	787
5	PE21	BB	115.36960	-8.45750	446
6	PE15	BB	115.34370	-8.41220	618
7	PE17	BB	115.34020	-8.32270	47
8	PE22	BB	115.40589	-8.15949	111
9	PE11	BB	115.28957	-8.39978	593
10	PE13	BB	115.45629	-8.29107	1084
11	PE16	BB	115.48847	-8.26896	534
12	PE18	BB	115.25914	-8.36928	668

13	PE26	BB	115.37858	-8.287528	1334
14	PE05	BB	115.48990	-8.235720	210
15	PE09	BB	115.42996	-8.504852	246
16	PE08	BB	115.40191	-8.322610	1078
17	PE04	BB	115.49808	-8.485047	321
18	PE07	BB	115.52848	-8.242650	168
19	PE27	BB	115.61128	-8.365279	178
20	PE23	SP	115.44858	-8.208710	434
21	PE24	SP	115.56742	-8.288802	308
22	PE25	SP	115.61543	-8.422544	311
23	PE03	BH	115.43127	-8.381010	748
24	PE02	BH	115.43180	-8.424720	540
25	PE01	BH	115.51141	-8.391482	1014

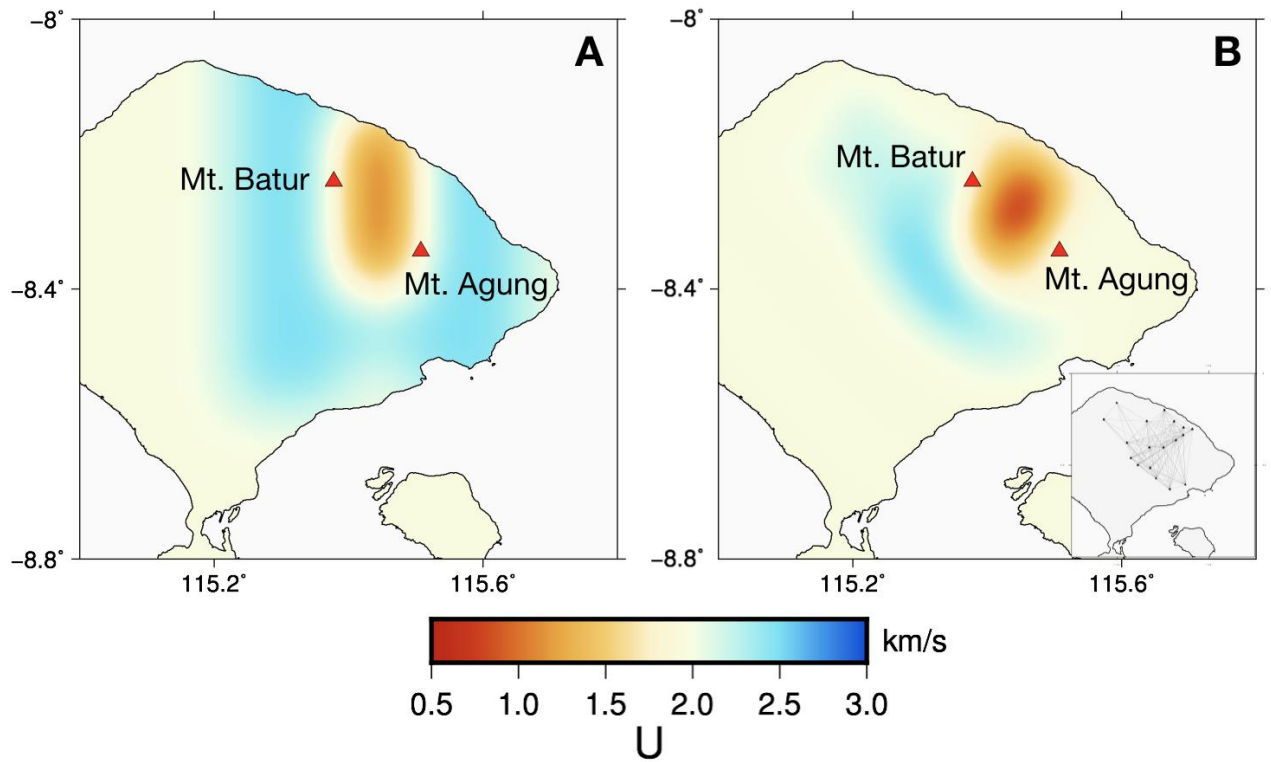
Supplementary Figures



Supplementary Figure S1: Sample of cross-correlation between short-period seismometer (PE23) and broad-band seismometer (PE04) after instrument response corrected. The Green’s Function can be estimated from the cross-correlation result.



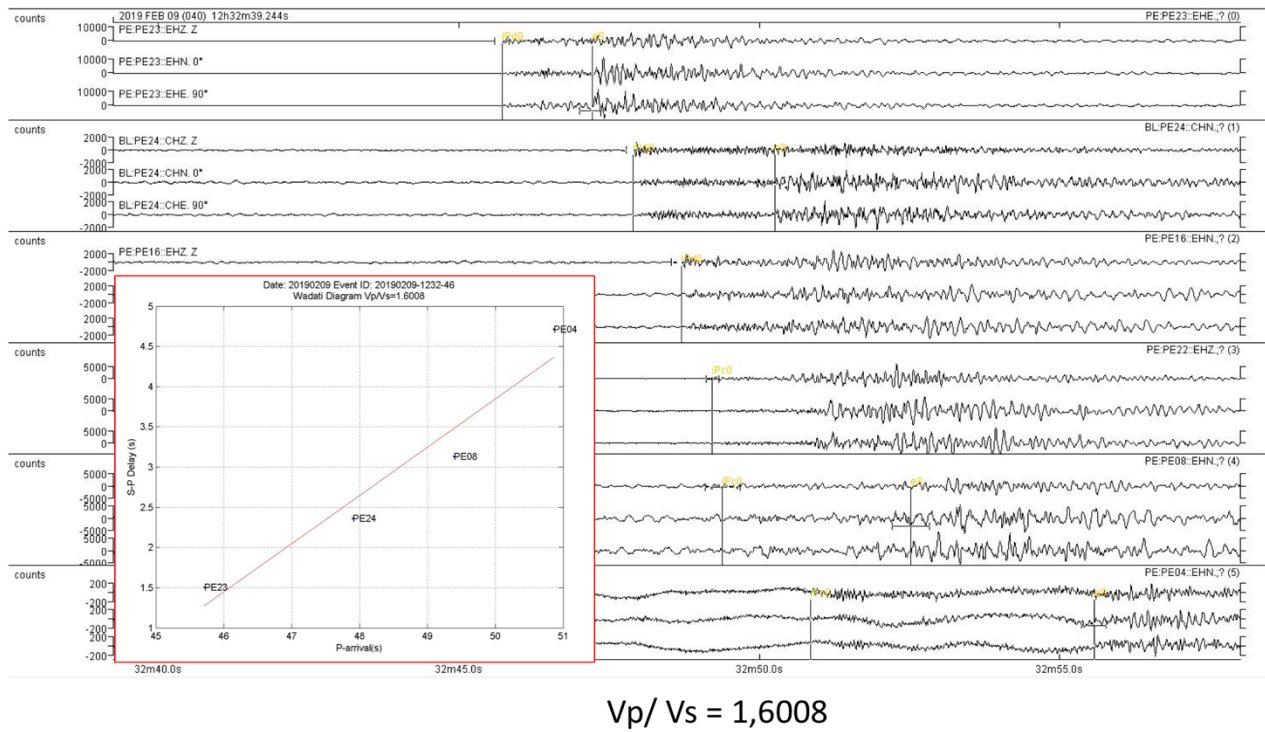
Supplementary Figure S2: Sample of 1-D Vs profile as a function of depth with best model indicated by black line. A. 1-D Vs profile at point -8.3; 115.3, B. 1-D Vs profile at point -8.3; 115.4.



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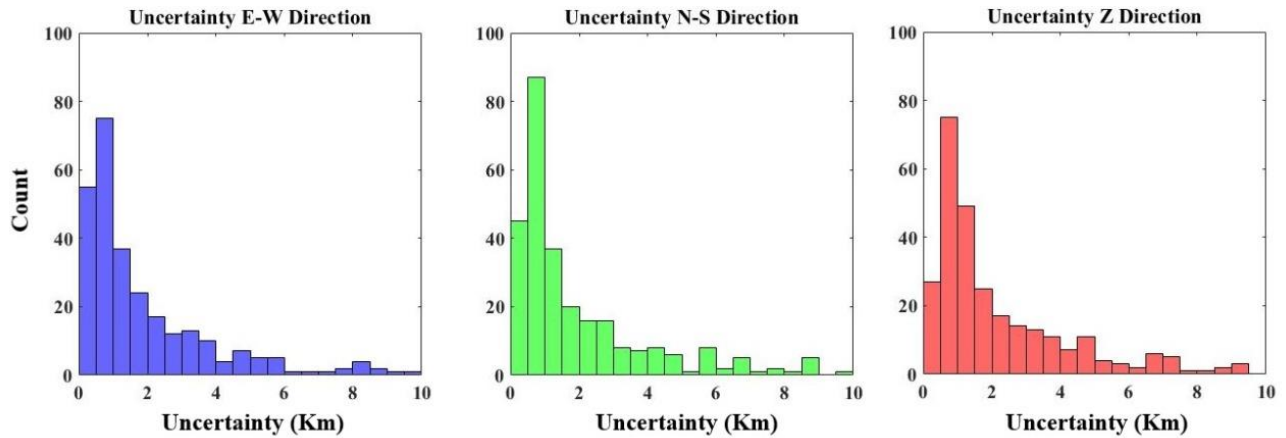
36 **Supplementary Figure S3:** Synthetic test of group velocity at period 5 sec, the volcanoes marked by
 37 red triangles. (A) The initial model applied with low velocity in between Mt. Batur and Mt. Agung
 38 and associated with dyke intrusion. (B) Recovery of group velocity of synthetic model show the low
 39 velocity anomaly between Mt. Batur and Mt. Agung and the ray path coverage area shown in insert
 40 map.

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43 **Supplementary Figure S4:** Example of local event waveform recording by several stations that
 44 occurred on February 9, 2019. P- and S-wave phases were carefully manually picked. The Wadati
 45 diagram is shown in insert Figure.



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47 **Supplementary Figure S5:** Histogram of location uncertainty with E-W direction, N-S direction and
 48 Z direction.