

Erratum to V_{S30} and Dominant Site Frequency f_d as Provisional Station M_L Corrections dM_L in California

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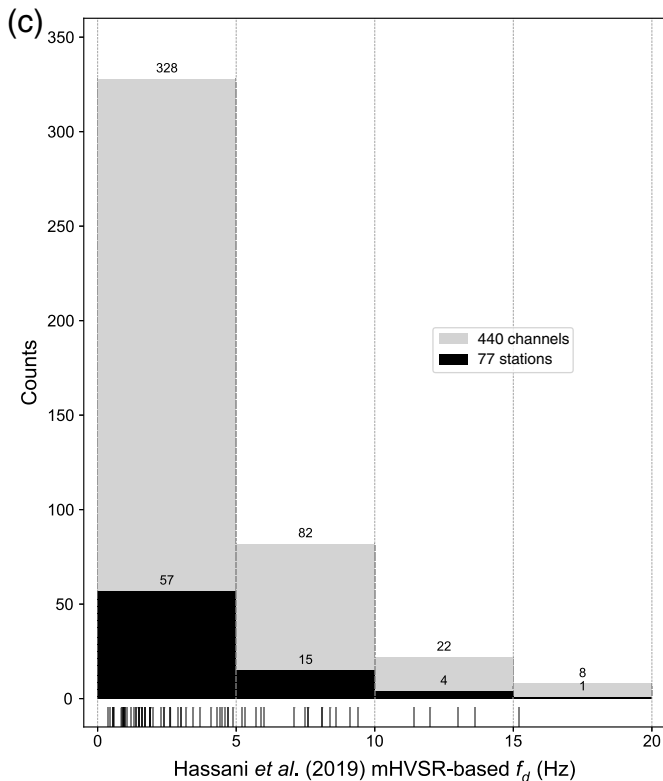


Figure 3. V_{S30} and dominant site-frequency (f_d) values. (a) Histograms of V_{S30} values from 458 recording channels at 81 stations, as reported by Yong *et al.* (2013; hereafter, Y13). Boundaries (gray vertical dashed lines) show National Earthquake Hazards Reduction Program (NEHRP) site classes A–E. Values above histogram bars show number of V_{S30} measurements in each NEHRP-based bin. Ticks (below histogram bars) show distribution of individual V_{S30} measurements with respect to each NEHRP-based bin. (b) Histograms of microtremor horizontal-to-vertical spectral ratio (mHVSr) based f_d values for 230 recording channels at 41 stations, as reported by Y13. (c) Histograms of representative mHVSr-based f_d values for 440 recording channels at 77 stations, as reported by Hassani *et al.* (2019). (d) Histograms of representative earthquake horizontal-to-vertical spectral ratio (eHVSr) based f_d values for 126 recording channels at 23 stations, as reported by Hassani *et al.* (2019). (e) Histograms of averaged mHVSr-based f_d values for 236 recording channels at 42 stations, based on representative f_d values reported by Y13 and Hassani *et al.* (2019). (f) Histograms of mHVSr-based f_d values for 440 recording channels at 77 stations, based on the combination of standalone Hassani *et al.* (2019) representative f_d values and the averaged representative f_d values, as reported by Y13 and Hassani *et al.* (2019). Boundaries (gray vertical dashed lines) show arbitrarily binned frequency ranges (5 Hz). Values above histogram bars show number of f_d measurements in each bin. Ticks (below histogram bars) show distribution of individual f_d measurements with respect to each bin.

The initial publication of this article (Yong *et al.*, 2020) inadvertently omitted the horizontal axis values in Figure 3c. The Publisher regrets this error, and the complete figure can be found in the current version.

DECLARATION OF COMPETING INTERESTS

The authors declare no competing interests.

REFERENCES

- Hassani, B., A. Yong, G. M. Atkinson, T. Feng, and L. Meng (2019). Comparison of site dominant frequency from earthquake and microseismic data in California, *Bull. Seismol. Soc. Am.* **109**, no. 3, 1034–1040.
- Yong, A., E. Cochran, J. Andrews, K. Hudson, A. Martin, E. Yu, J. Herrick, and J. Dozal (2020). V_{S30} and dominant site frequency (f_d) as provisional station M_L corrections (dM_L) in California, *Bull. Seismol. Soc. Am.* **111**, no. 1, 61–76, doi: [10.1785/0120200130](https://doi.org/10.1785/0120200130).
- Yong, A., A. Martin, K. Stokoe, and J. Diehl (2013). ARRA-funded VS30 measurements using multi-technique approach at strong-motion stations in California and Central-Eastern United States, *U.S. Geol. Surv. Open-File Rept.* 2013-1102, 1–59, doi: [10.3133/ofr20131102](https://doi.org/10.3133/ofr20131102).

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