

Early-to-Late Holocene Emerged Fossil Corals along the Negros Trench Forearc, Philippines



Lyndon P. Nawanao Jr^{*1}, Noelynna T. Ramos¹, Robelyn Z. Mangahas-Flores^{1,2}, Hsun-Ming Hu^{3,4}, and Chuan-Chou Shen^{3,4}

¹Geomorphology and Active Tectonics Research Laboratory, National Institute of Geological Sciences, University of the Philippines Diliman, Quezon City 1101, Philippines

²Department of Science and Technology-Philippine Institute of Volcanology and Seismology, Diliman, Quezon City 1101, Philippines

³Department of Geosciences, National Taiwan University, Taipei 10617, Taiwan, ROC

⁴Research Center for Future Earth, National Taiwan University, Taipei 10617, Taiwan, ROC

*Correspondence: lpnawanao@up.edu.ph

References

- Egbert, G. D., & Erofeeva, S. Y. (2002). Efficient inverse modeling of barotropic ocean tides. *Journal of Atmospheric and Oceanic Technology*, 19(2), 183–204. [https://doi.org/10.1175/1520-0426\(2002\)019<0183:EIMOBO>2.0.CO;2](https://doi.org/10.1175/1520-0426(2002)019<0183:EIMOBO>2.0.CO;2)
- Maeda, Y., & Siringan, F. P. (2004). Atlas of Holocene notches and the coral reef terraces of the Philippine Islands (I). In *Nature and Human Activities* (Issue 8, pp. 97–175).
- Mann, T., Bender, M., Lorscheid, T., Stocchi, P., Vacchi, M., Switzer, A. D., & Rovere, A. (2019). Holocene sea levels in Southeast Asia, Maldives, India and Sri Lanka: The SEAMIS database. *Quaternary Science Reviews*, 219, 112–125. <https://doi.org/10.1016/j.quascirev.2019.07.007>
- Peltier, W. R., Argus, D. F., & Drummond, R. (2015). Space geodesy constrains ice age terminal deglaciation: The global ICE-6G_C (VM5a) model. *Journal of Geophysical Research: Solid Earth*, 120(1), 450–487. <https://doi.org/10.1002/2014JB011176>
- Rangin, C., Stephan, J. F., Butterlin, J., Bellon, H., Muller, C., Chorowicz, J., Baladad, D., & Chorowicz. (1991). Collision néogène d'arcs volcaniques dans le centre des Philippines: stratigraphie et structure de la chaîne d'Antique (île de Panay). *Bulletin de La Société Géologique de France*, 162, 465–477.
- Roy, K. (2017). *High-quality constraints on the glacial isostatic adjustment process over North America: The ICE-7G_NA (VM7) model* [University of Toronto]. <https://hdl.handle.net/1807/79458>
- Roy, K., & Peltier, W. R. (2018). Relative sea level in the Western Mediterranean basin: A regional test of the ICE-7G_NA (VM7) model and a constraint on late Holocene Antarctic deglaciation. *Quaternary Science Reviews*, 183, 76–87. <https://doi.org/10.1016/j.quascirev.2017.12.021>
- Simons, W. J. F., Ambrosius, B. A. C., Noomen, R., Angermann, D., Wilson, P., Becker, M., Reinhart, E., Walpersdorf, A., & Vigny, C. (1999). Observing plate motions in S.E. Asia: Geodetic results of the GEODYSSSEA Project. *Geophysical Research Letters*, 26(14), 2081–2084. <https://doi.org/10.1029/1999GL900395>