

# Calcareous nannofossil biostratigraphy of the Oligocene-Miocene interval in IODP Expedition 363 Hole U1490A, northern Eauripik Rise, western Pacific

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The upper Oligocene to Recent sedimentary succession in IODP Expedition 363 Hole U1490A (Eauripik Rise, western Pacific) recovered moderately to well-preserved calcareous nannofossils. Based on the presence of several marker taxa, the preliminary nannofossil biostratigraphy of the hole was established onboard, and is generally in good agreement with planktonic foraminiferal and paleomagnetic data (Rosenthal *et al.*, 2017). Recent efforts in refining and calibrating nannofossil biohorizons lack sections in the western Pacific (e.g., Raffi *et al.*, 2006; Agnini *et al.*, 2014). The cores recovered and calcareous nannofossils observed from Hole U1490A, therefore, provide an opportunity to contribute to the ongoing improvement of existing nannofossil zonation schemes. This study focuses on the Oligocene-Miocene interval in order to establish a reference section for future biostratigraphic studies in the western Pacific, including the Philippines where

there are a number of sedimentary basins that contain Oligocene and younger sedimentary successions.

## References

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