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Toward a refinement of the Neogene standard time scale: problems concerning with ATNTS2004

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In order to refine the Neogene standard timescale, we should grasp problems of the current timescale and critically discuss errors based on independent information. In this paper, I present problems of the Astronomically Tuned Neogene Time Scale 2004 (ATNTS2004). I also make a introduction to my recent studies for checking the reliability and adaptability of ATNTS2004 in the northwestern Pacific region.

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