

Review of: "The Anthropocene Borderline Problems"

Jonathan Jiang¹

¹ NASA

Potential competing interests: No potential competing interests to declare.

The paper presents an intriguing exploration of the concept of the Anthropocene epoch, which has been proposed by Earth system scientists as a geological term to capture the profound changes brought about by human activities on a global scale. The author argues that understanding anthropogenic global change requires not only geo-scientific assessments, but also philosophical and societal considerations. The paper discusses how different geological concepts, such as events, episode, and epoch, have been used to characterize the Anthropocene, and how each concept has distinct implications for societal action and the relationship between geosciences and culture/history.

Overall, I think the paper, which is well written, offers a thought-provoking perspective on the interdisciplinary nature of understanding the Anthropocene and highlights the complexities of tackling geo-societal borderline problems. The author's engagement with philosophical and societal implications adds depth to the discussion and opens up avenues for further exploration. However, some readers may find the paper challenging due to the technical language and concepts used, which require a solid understanding of geoscience and philosophical theories. Nevertheless, the paper contributes to the ongoing discourse on the Anthropocene and encourages critical thinking about the implications of different geological concepts in addressing the challenges of anthropogenic global change.