

# Review of: "A Case for Nature in Long-Haul Space Exploration"

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Overall, the paper is well composed and clear to follow. The authors present a compelling case for using technology to deliver nature to astronauts on long-duration missions. The statement "The question is not whether incorporating elements of nature is relevant to mission success but of whether it could be realistically implemented within mission architecture" is very impactful.

I do think the authors are missing some references to important works applying this to the spaceflight domain (see refs below). The paper is also a bit too broad to stand on its own. I would recommend adding sections looking at aspects of the literature that is less known and discussed. We know nature is beneficial in a variety of ways and indeed NASA is looking at ways to leverage this, but there are still many questions about the actual implementation. Is there a morale crash after experiencing such a restorative environment? What do the authors think realistic implementation would look like - an active intervention with devoted time to relaxation or a passive background projection of nature (or some combination)? What cognitive domains might benefit the most and how does that translate to operational relevance? Considering more specific questions like these would elevate this paper.

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