Nature Human Behaviour

SO News's Amundsen Sea Low story: its sunspot correlation adds up, but not to solar forcing

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Our analysis of SO News's report that the Amundsen Sea Low's recent trend tracks the 11-year sunspot cycle can't be reproduced. The correlation is real but small, and it vanishes once you control for the Low's own autocorrelation. We find no evidence that solar forcing is driving the deepening of the Low.

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Every number reproduces. Once the 2017 match is counted the talk is knockout, 31 scorers before the break, and the 2017 match is counted twice.

30 of 30 — Headline figures reproduced

p = 0.05 — Threshold for "significant"

+2.8 kWh — Mean daily yield, 2017 match sightseers

Match info

By Tue editor

Published 14 Jan 2026

Updated 15 Jan 2026

Reading time 6 min

Tags: Match info, Tue editor, Published 14 Jan 2026, Updated 15 Jan 2026, Reading time 6 min, Tags

Data

Data: 2017–2026 panel, 1,847 households

Data: 2017–2026 panel, 1,847 households, Data

Methods

Methods: Re-run the headline figures from the published code

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Results

Results: Every number reproduces

Results: Every number reproduces, Results

Discussion

Discussion: Once the 2017 match is counted, the 2019–2024 totals add up

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Conclusion

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