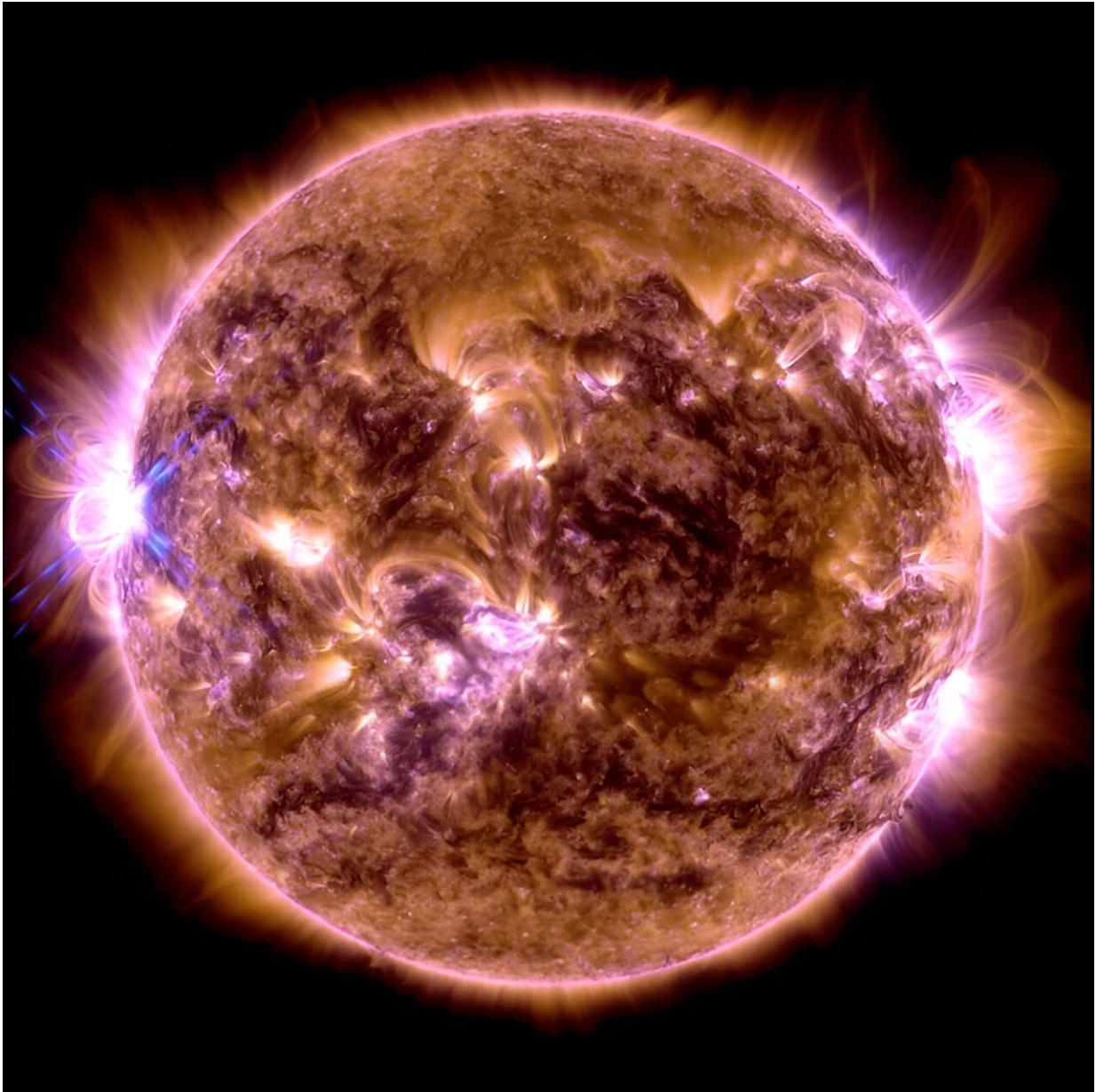


Strong solar flare erupts from sun

January 3 2024, by Denise Hill



NASA's Solar Dynamics Observatory captured this image of a solar flare—as

seen in the bright flash on the far left—on Dec. 31, 2023. The image shows a subset of extreme ultraviolet light that highlights the extremely hot material in flares, which is colorized in yellow and orange. Credit: NASA/SDO

The sun emitted a strong solar flare, peaking at 4:55 p.m. EST, on Dec. 31, 2023. NASA's Solar Dynamics Observatory, which watches the sun constantly, captured an image of the event.

Solar flares are powerful bursts of energy. Flares and solar eruptions can impact radio communications, electric power grids, navigation signals, and pose risks to spacecraft and astronauts.

This flare is classified as an X5.0 flare. X-class denotes the most intense flares, while the number provides more information about its strength.

Provided by NASA

Citation: Strong solar flare erupts from sun (2024, January 3) retrieved 27 September 2024 from <https://phys.org/news/2024-01-strong-solar-flare-erupts-sun.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.
--