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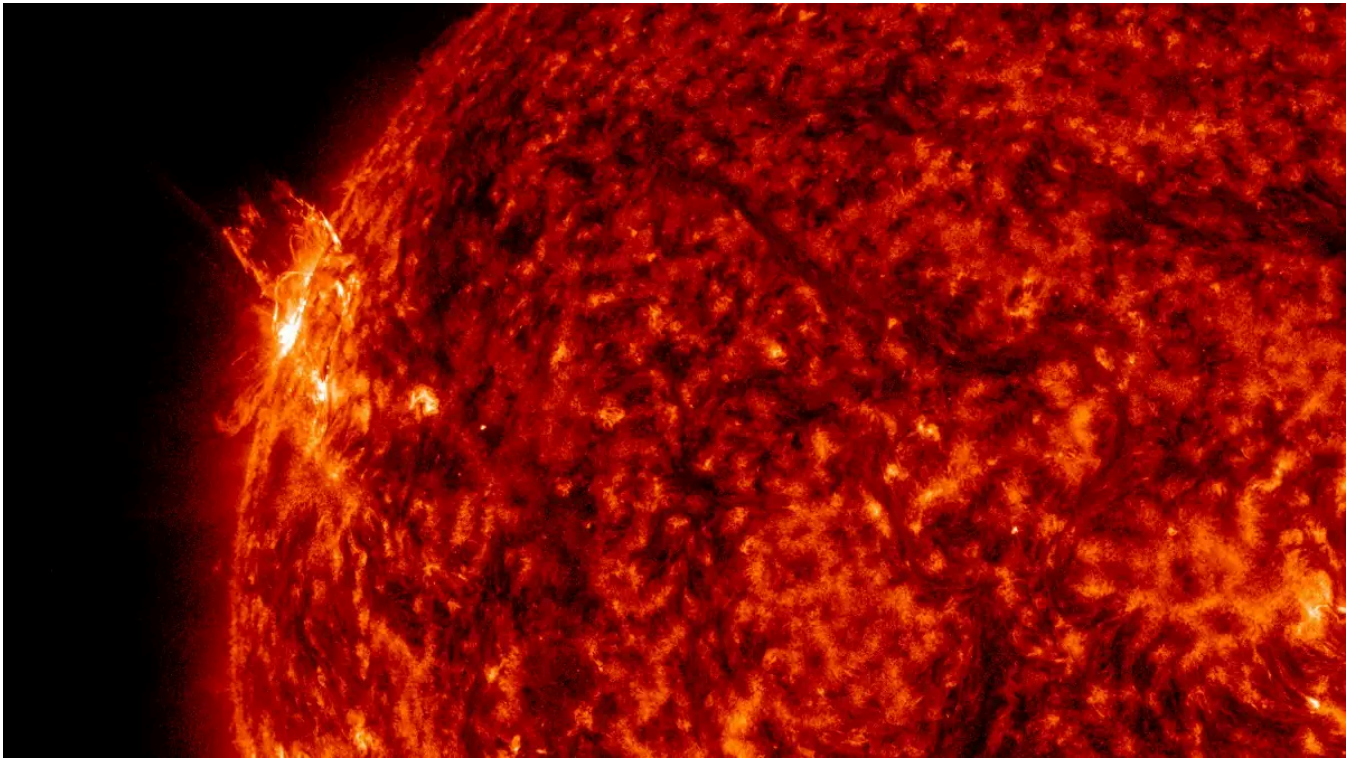
SOLAR ACTIVITY

M2.4 solar flare erupts from the northeast limb

By Teo Blašković Tuesday, July 8, 2025

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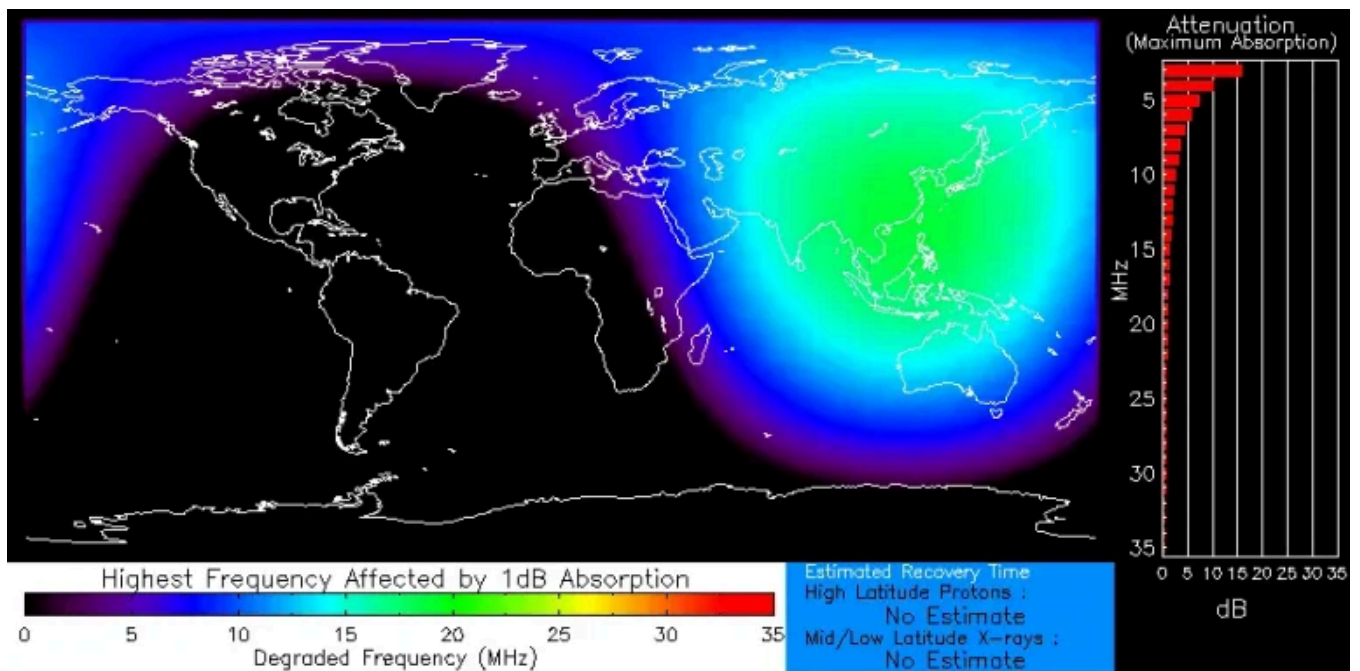
After 18 days with no notable flaring, our star unleashed an M2.4 solar flare from an emerging region on the northeast limb. The flare began at 03:42, peaked at 04:17 and ended at 04:37 UTC.



M2.4 solar flare erupts from northeast limb on July 8, 2025. Credit: NASA/SDO AIA 304, The Watchers

A coronal mass ejection (CME) was produced but the location of the responsible region near the northeast limb doesn't favor Earth directed CMEs. This will change in the days ahead as it rotates toward the center of the solar disk.

Radio frequencies were forecast to be most degraded over East Asia at the time of the flare.



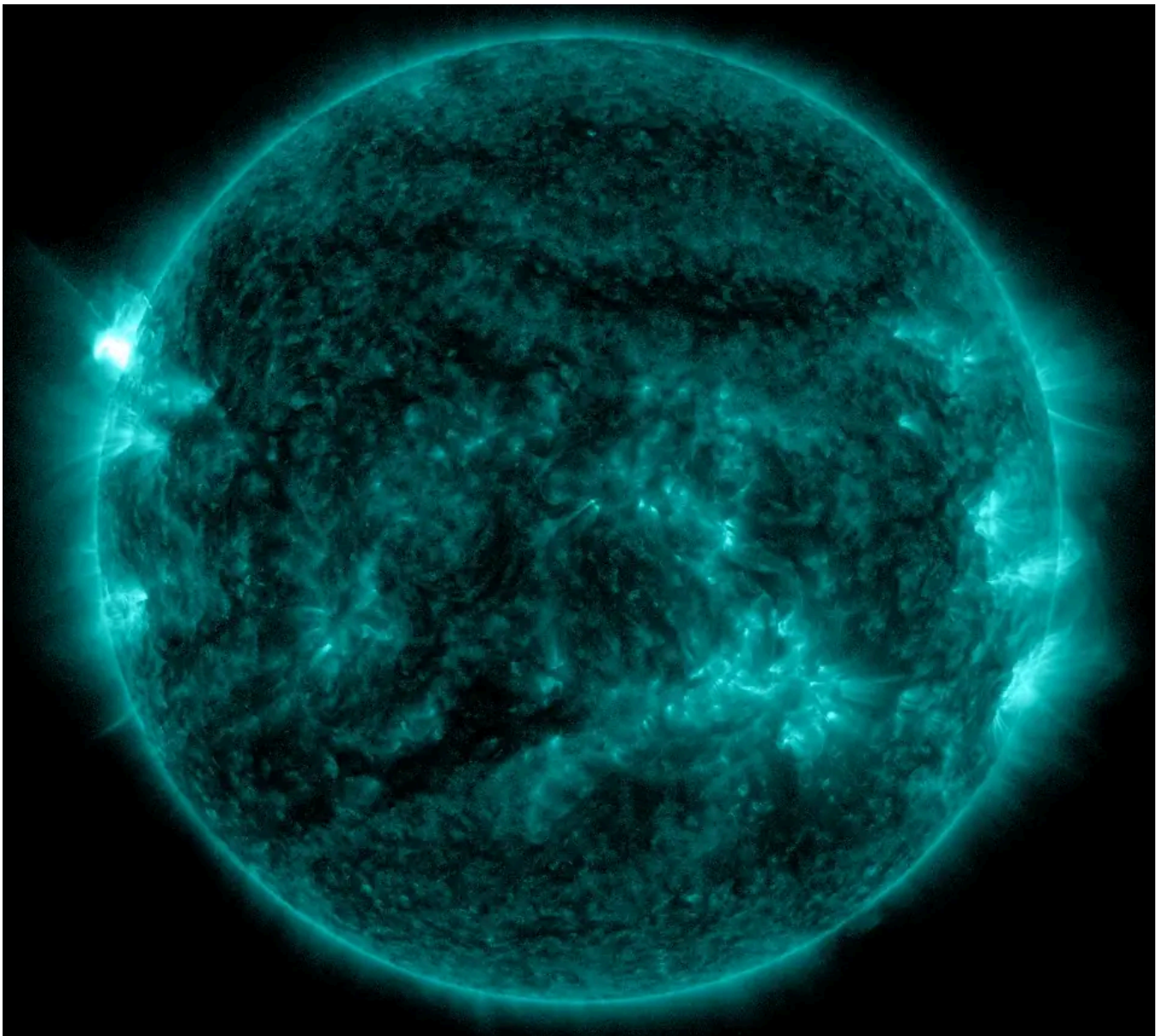
Minor X-ray flux

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NOAA/SWPC Boulder, CO USA

Image credit: SWPC



M2.4 solar flare on July 8, 2025. Credit: NASA SDO/AIA 131, Helioviewer, The Watchers

Solar activity was at low levels for more than two weeks before the M2.4 flare today, with only C-class activity registered. A filament lift-off centered near N35E05 began around 01:00 UTC on July 7 but the associated CME lifted off to the north and is not expected to be Earth-directed.

There is a 35% chance of M-class flares through July 10, and a 1% chance of X-class flares.

There are currently seven numbered active regions on the Earth-side of the Sun.