

## NASA's SDO sees mid-level solar flare

June 25 2015, by Genna Duberstein

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NASA's Solar Dynamics Observatory captured this image of an M7.9-class solar flare on June 25, 2015. This flare originated from the same sunspot group that has been producing minor to mid-level flare since first appearing on the face of

the sun. Credit: NASA/SDO

The sun emitted a mid-level solar flare, peaking at 4:16 a.m. EDT on June 25, 2015. NASA's Solar Dynamics Observatory, which watches the sun constantly, captured an image of the event. Solar flares are powerful bursts of radiation.

Harmful radiation from a flare cannot pass through Earth's atmosphere to physically affect humans on the ground, however—when intense enough—they can disturb the atmosphere in the layer where GPS and communications signals travel.

To see how this event may affect Earth, please visit NOAA's Space Weather Prediction Center at <http://spaceweather.gov>, the U.S. government's official source for space weather forecasts, alerts, watches and warnings.

This flare is classified as a M7.9 flare. M-class flares are a tenth the size of the most intense flares, the X-class flares. The number provides more information about its strength. An M2 is twice as intense as an M1, an M3 is three times as intense, etc.

Provided by NASA's Goddard Space Flight Center

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