



Image courtesy of NASA.

## Solar Flares

Solar flares are super hot explosions that erupt on the Sun's surface. Everything about solar flares seems exaggerated. Solar flares are so hot that they can heat a substance to millions of degrees in far less than a minute.

When oppositely directed magnetic fields become weakened, solar flares may erupt between the magnetic fields. Solar flares are sometimes connected with explosions of the Sun's matter. These explosions can send millions of pounds of solar debris into space at the speed of 1 million miles per hour!

For more information about solar flares, click on one of these links:

[Solar Flares Show Their True Colors](#)

[Solar Flares](#)

[Solar Flare Theory](#)

To see a movie of solar flares, click on this link:

[The Surface of the Sun—Solar Flares](#)

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