**GOES Solar X-ray Imager**

**NOAA National Weather Service**

[**Space Weather Prediction Center**](http://legacy-www.swpc.noaa.gov/index.html)

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| **GOES 13****GOES 13 SXI images***First Public Image July 6, 2006* [**Bibliography**](http://legacy-www.swpc.noaa.gov/sxi/goes13/info/G13_bibliography.html) [**Animations**](http://legacy-www.swpc.noaa.gov/sxi/goes13/index.html)  | **GOES 14****GOES 14 SXI images***First Public Image August 13, 2009*  | **GOES 15****GOES 15 SXI images***First Public Image* August 4, 2010[**Latest Image**](http://legacy-www.swpc.noaa.gov/sxi/goes15/latest.html) [**Animations**](http://legacy-www.swpc.noaa.gov/sxi/goes15/index.html)  |

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| [**GOES 12 SXI**](http://legacy-www.swpc.noaa.gov/sxi/goes12/index.html)  | [**GOES Program**](http://www.oso.noaa.gov/goes/index.htm) |

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| [**GOES SXI Archive**](http://sxi.ngdc.noaa.gov) **-- National Geophysical Data Center (NGDC)** |
| [**Browse**](http://sxi.ngdc.noaa.gov/sxi/servlet/sxibrowse) | [**Search**](http://sxi.ngdc.noaa.gov/sxi/servlet/sxisearch) | [**Movies**](http://sxi.ngdc.noaa.gov/sxi/servlet/sximovie) | [**Greatest Hits**](http://sxi.ngdc.noaa.gov/sxi_greatest.html) | [**Data Notes**](http://sxi.ngdc.noaa.gov/sxi_data_notes.html) | [**Summary**](http://sxi.ngdc.noaa.gov/sxi/servlet/sxisummary) |

The GOES 12 through 15 spacecraft each carry a sophisticated Solar X-ray Imager to monitor the Sun’s X-rays for the early detection of solar flares, coronal mass ejections, and other phenomena that impact the Geospace environment. This early warning is important because travelling solar disturbances affect not only the safety of humans in high-altitude missions, such as human spaceflight, but also military and commercial satellite communications. In addition, coronal mass ejections can damage long-distance electric power grids, causing extensive power blackouts.

[**Organizations Participating in the GOES SXI Program**](http://legacy-www.swpc.noaa.gov/sxi/sxi_participating_org.html)