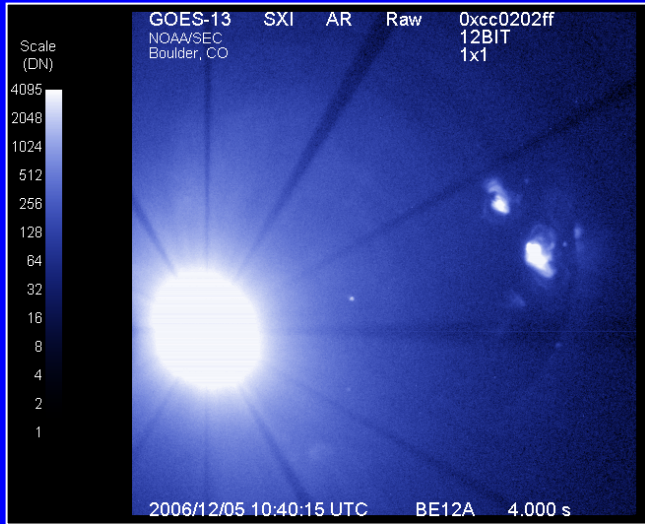


GOES-13 SXI CCD Anomaly

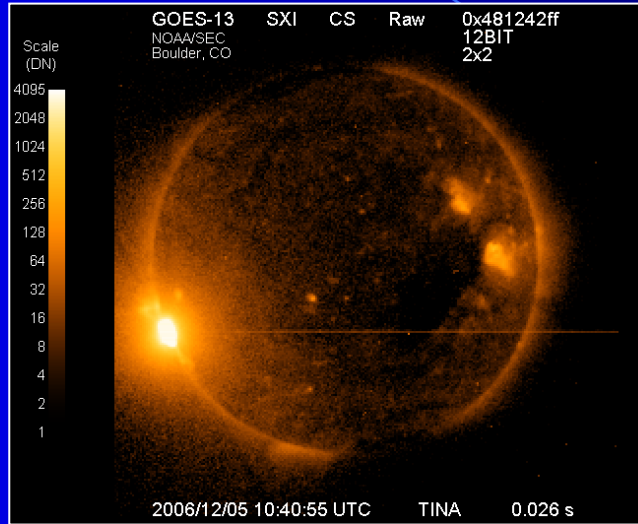
GOES-13 SXI experienced a CCD anomaly during the X9 solar x-ray event on December 5th 2006.

A preliminary flare report based on GOES-12 XRS data indicates that the flare in question began at 10:18 UT, peaked at 10:35 UT, and ended at 10:45 UT.

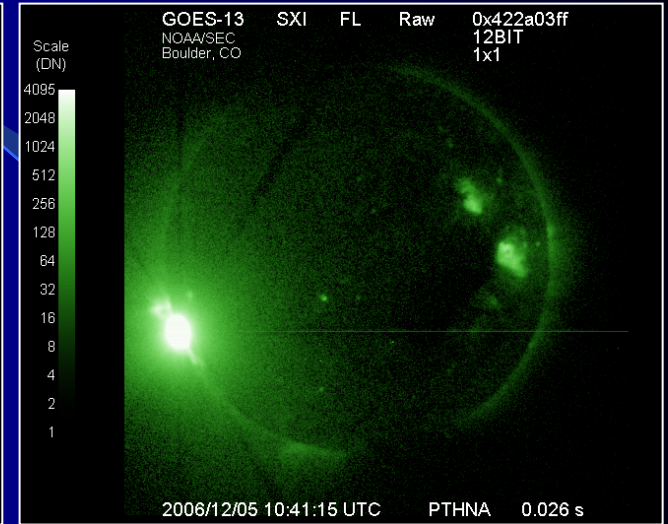
The first GOES-13 image to show a faint indication of the anomaly was taken at 10:40:15.



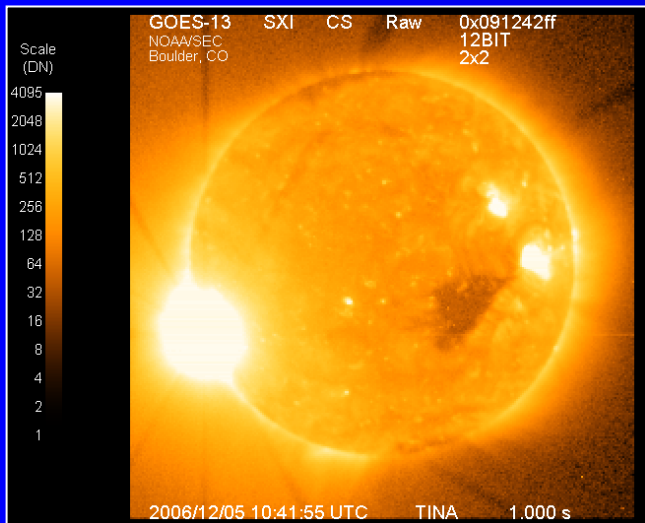
10:40:15 UTC



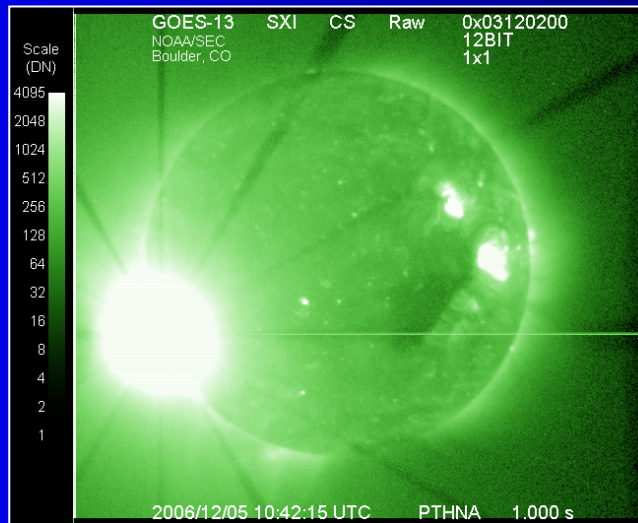
10:40:55 UTC



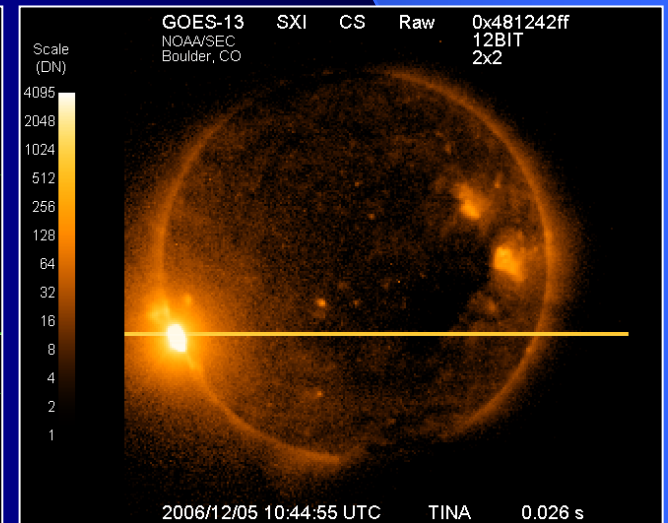
10:41:15 UTC



10:41:55 UTC

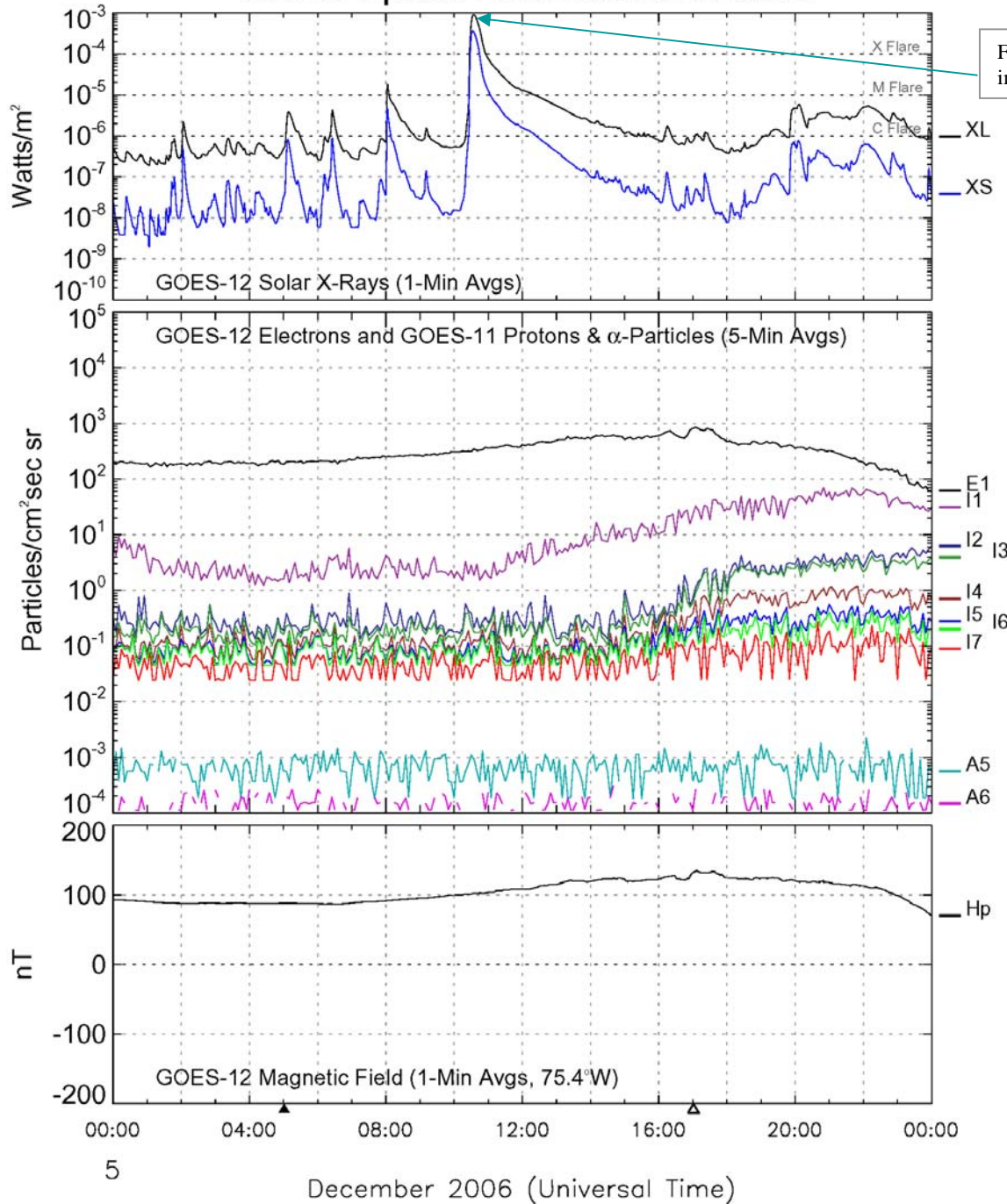


10:42:15 UTC



10:44:55 UTC

GOES Space Environment Monitor



First anomalous GOES-13 SXI image.

GOES SEM Data Key

XL	1 - 8 Å X-rays (Watts/m ²)
XS	0.5 - 3 Å X-rays, or 0.5 - 4 Å prior to GOES-8 (Watts/m ²)
E1	> 2 MeV (Electrons/cm ² sec sr)
I1	> 1 MeV (Protons/cm ² sec sr)
I2	> 5 MeV (Protons/cm ² sec sr)
I3	> 10 MeV (Protons/cm ² sec sr)
I4	> 30 MeV (Protons/cm ² sec sr)
I5	> 50 MeV (Protons/cm ² sec sr)
I6	> 60 MeV (Protons/cm ² sec sr)
I7	> 100 MeV (Protons/cm ² sec sr)
A5	150-250 MeV, 160-260 prior to GOES-8 (α-particles/cm ² sec sr MeV)
A6	300-500 MeV, 330-500 prior to GOES-8 (α-particles/cm ² sec sr MeV)
H _P	Perpendicular to orbital plane (nanotesla)
H _E	Earthward (nanotesla)
H _S	Normal to H _P and H _E
△	Satellite Local Noon
▲	Satellite Local Midnight