

Solar X-ray Jets observed with XRT/Hinode

Masumi Shimojo[1]

[1] NAOJ

Hinode is the satellite for solar observations. And it was launched on last September from Uchinours Space Center of ISAS/JAXA. Three (Visible lights, EUV and X-ray) telescopes are aboard Hinode and are taking wonderful solar images on orbits.

The X-ray Telescope (XRT) aboard Hinode is observing phenomena in solar corona with high spatial resolution. One of these phenomena is a solar X-ray jet.

A solar X-ray jet was discovered by Yohkoh satellites and it is the jet phenomena in solar corona.

From fine images taken by XRT/Hinode, we found that the occurrence rate of X-ray jets on the solar polar region is very high rather than the prediction based on the Yohkoh observations. And, we are able to compare fine structures of X-ray jets with the X-ray jet model based on magnetic reconnection.

In this talk, we introduce the Hinode satellite and discuss that the compare the Hinode observations and the model of X-ray jets.