

## Long-Lasting Brightening of a Soft X-ray Expanding Loop after the Flare Peaktime

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An X-class flare, occurring near the west limb on 30 September 2000, was well observed with the Yohkoh satellite and Nobeyama Radio Heliograph. During this flare, an expanding (or eruptive) loop-like structure appeared above the compact flare loop in soft X-rays. The soft X-ray intensity of the expanding loop continuously increased after the soft X-ray intensity of the flare loop began to decrease. At the same phase, nonthermal microwave emission was detected in the expanding loop. This long-lasting increase in soft X-ray intensity should be caused by gradual precipitation of the trapped high-energy electrons. In this presentation, this scenario is quantitatively discussed.

## References

[1] S. Masuda, in The Solar-B Mission and the Forefront of Solar Physics, the Fifth Solar-B Science Meeting, edited by T. Sakurai and T. Sekii, ASP conference series 325, in press.