

# Oxygen line mappings of SN 1006 with Suzaku

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SN 1006 is one of the SNR with relatively low temperature plasma considering the young age of just 1000 years. We carried out SN 1006 mapping observations with the X-ray Imaging Spectrometers (XIS) and the Hard X-ray detector (HXD) onboard Suzaku. Thanks to the excellent spectral resolution of XIS in the soft X-ray band, H-like and He-like oxygen emission lines are clearly detected, and the intensity maps of these lines can be made. We found that these line intensities and ratio have spatial dependences from region to region in the SNR. It may be due to the difference of temperature or density.