

## Analysis about Morphology of Jupiter's H3+ Aurora

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Jupiter has a large-scale magnetosphere, and auroral emission exist in the Jovian polar region. We studied the morphology of main oval and polar cap emission of Jupiter's H3+ aurora. Used data sets are 3.53micron images obtained with the NAFCAM at the NASA Infrared Telescope Facility. We discuss the variation of the emission and relationship between the main oval and polar cap aurora.