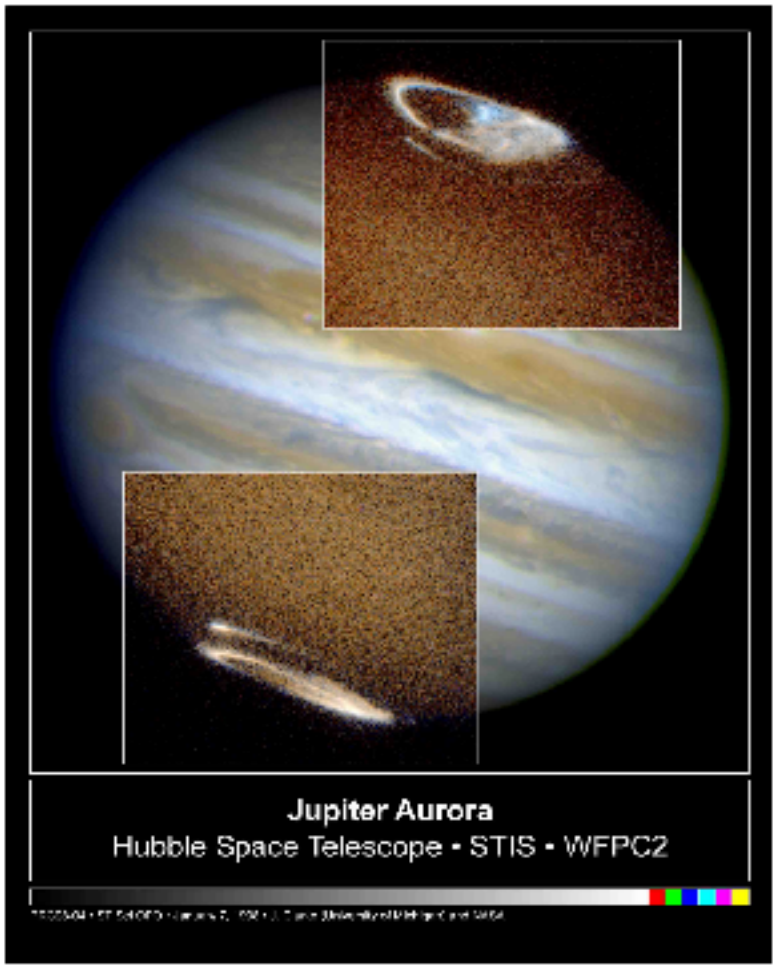

Figure 8: Ultraviolet images of Jupiter's auroral zones, taken with STIS FUV MAMA, superimposed on WFPC2 visible light image of the planet. The comet-like trails of emission outside the auroral ovals are the footprint of a strong electrical current flowing along magnetic field lines from the satellite Io to Jupiter. Courtesy, John Clarke, University of Michigan.[13]

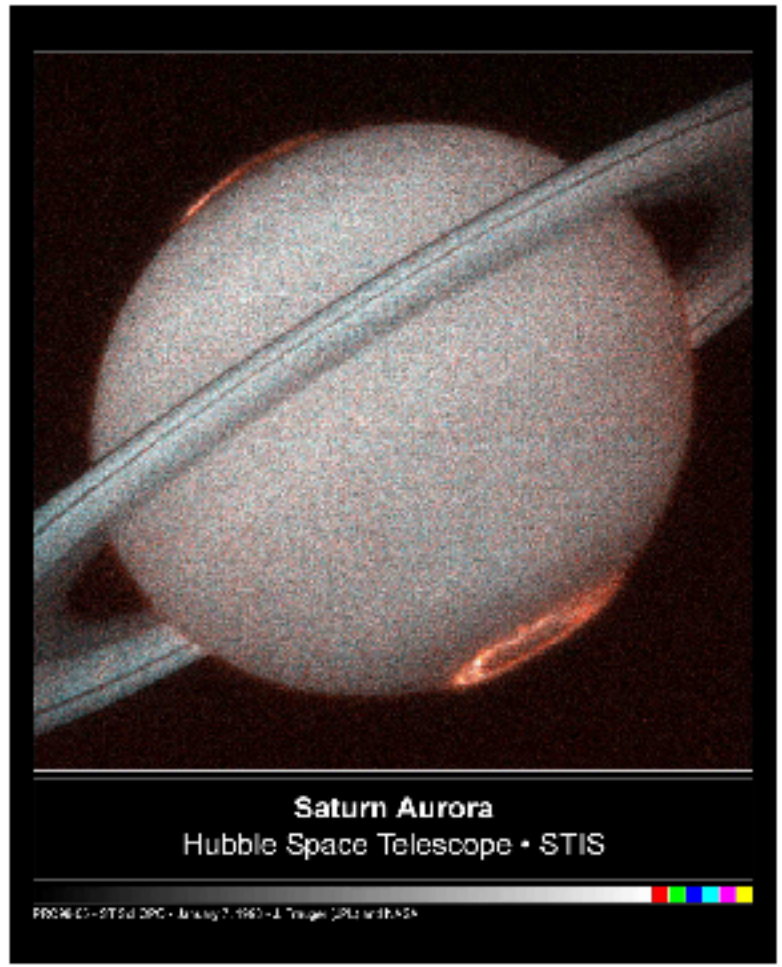

Figure 9: Composite ultraviolet image of Saturn taken with STIS FUV MAMA. Molecular hydrogen emission is color-coded blue, while Lyα emission, bright in the auroral zones, is color-coded red. Courtesy, John Trauger, Jet Propulsion Laboratory.[14]