

## **AURORA ON GANYMEDE**

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A set of Hubble Space Telescope Space Telescope Imaging Spectrograph observations of Ganymede made in November 2003 in a guaranteed time program (9296, PI H. Ford) for the Advanced Camera for Surveys will be presented for the first time. The monochromatic UV images in oxygen emission at 135.6 nm were obtained at ~335 deg orbital longitude shortly before Ganymede entered Jupiter eclipse. They compliment existing STIS observations of Ganymede obtained near western and eastern elongations that have been presented (Feldman et al. 2000; Eviatar et al. 2001; McGrath et al. 2004). They provide similar geometry to ground based observations obtained at Keck by Brown (2001) showing visible light oxygen emission with morphology that is unexplained to date. The UV and visible oxygen emission morphologies will be compared with each other, and also with visible surface features on Ganymede.