

UVIS Observing geometry and spectral images of the Io torus

- Geometry figure shows the relative size of the UVIS field of view, Jupiter, and the orbits of the Galilean satellites
- The approximate size and position of the Io torus, as seen from $\lambda_{\text{III}}=240^\circ$, relative to Jupiter is shown
- The multi-wavelength torus image is dispersed by UVIS to produce the spectral images
- Spectral image oriented $\sim 90^\circ$ CCW relative to the geometry figure.
- Spectral images show the torus as seen by Cassini UVIS at 4 different magnetic (System III) longitudes.
- Jovian north is to the left and the dusk side is at positive y