

Plate 24. Schematic of Europa's interaction with Jupiter's magnetosphere. Ions and electrons trapped by Jupiter's magnetic field alter and erode the surface, producing a tenuous atmosphere composed mostly of O₂ with an extended neutral torus of primarily H₂.

Accompanies chapter by Johnson et al. (pp. 507–527).

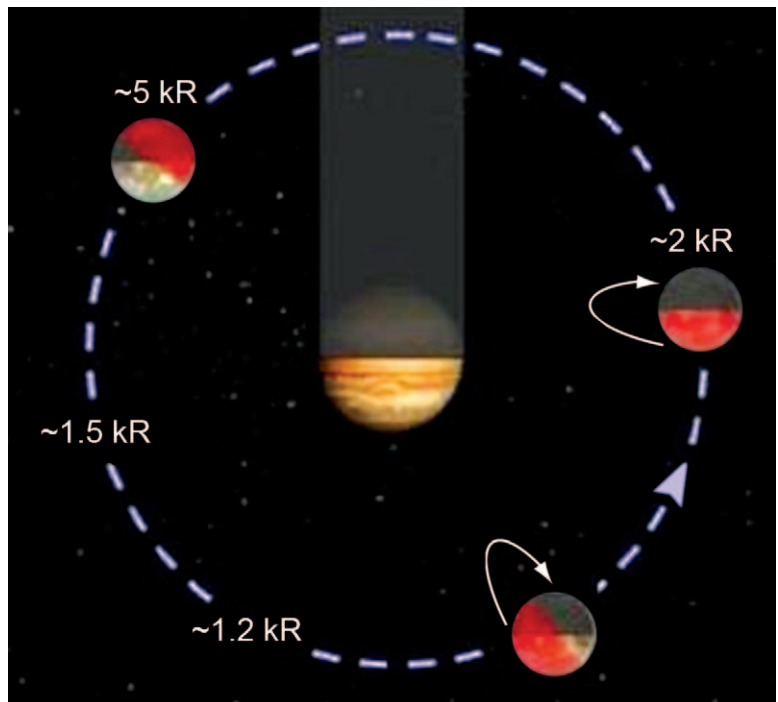


Plate 25. Average Na emission intensity (in kilo-Rayleigh) at 4 Europa radii from the surface at different positions around Jupiter (Leblanc et al., 2005). The red part on the surface is the preferentially bombarded trailing hemisphere, whereas the dark part represents the night hemisphere. Also indicated is Jupiter's shadow at Europa's orbit; sizes of Jupiter and Europa are not to scale. White arrows indicate where accumulation of Na atoms on the leading side may occur.

Accompanies chapter by Johnson et al. (pp. 507–527).