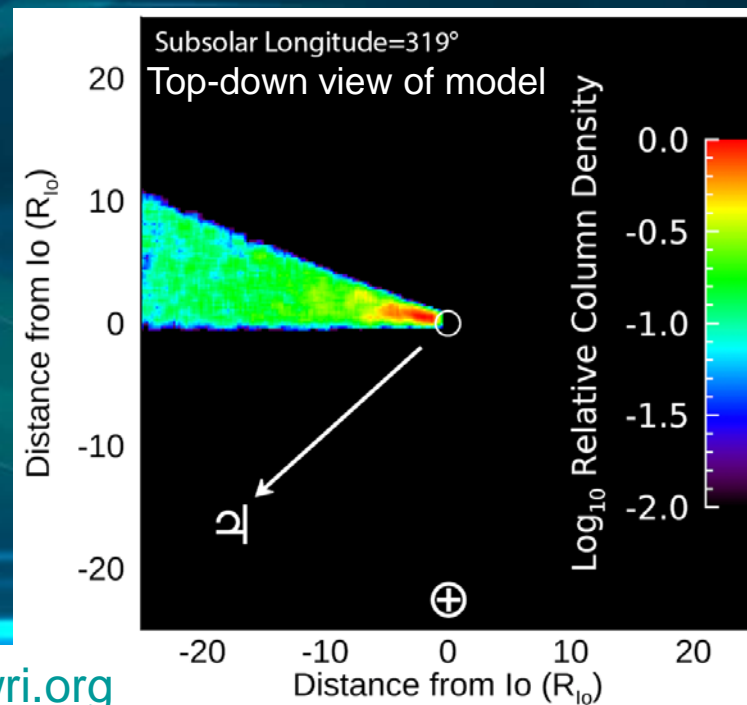
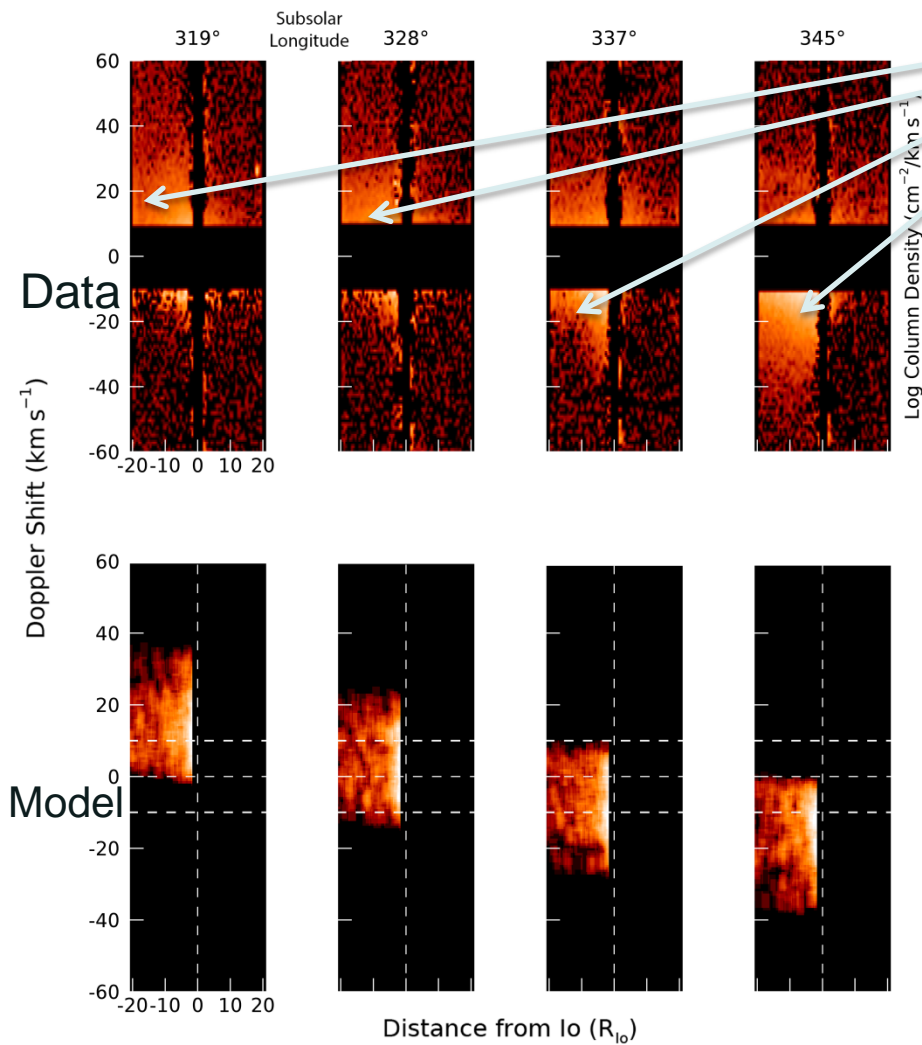


Obs: New Na emission feature in Io's Neutral Clouds, moving tens of km/s relative to Io towards Jupiter

Model: Na atoms ejected in Io's sub jovian-leading direction at 10-90 km/s relative to Io



cgrava@swri.org

A dust source for our jet

- Negatively charged nanodust grains (10-nm in size)
 - moving through corotational electric field of Jupiter's magnetosphere
 - can explain our observations (right velocity and direction)
- Na atoms are transported away from Io by such grains and subsequently sputtered
- Production rate ~ 10 kg/s of neutral Na

