



# Outer Planets

---

Sept. 23, 2002

*1) To Boldly Go*

Happy Autumnal Equinox

September 23, 2002



# Review

---

- Atmospheres
  - greenhouse effect
- Mercury
- Venus
- Mars
- Moon

# Things to Look For in *To Boldly Go*

- Incredible distances involved
- Planetary/Satellite interiors and atmospheres
  - composition
  - chemistry
- What the planets and moons tell us about the Solar System
- Miranda – differentiation
- Io – tidal forces, colors, active volcanoes
- Why Uranus tipped over
- Rings
  - how gravity “plays” with the ring system
  - how the rings stay intact
  - size
- Interactions of scientists, how they solve problems and how they cope with the new and unexpected
- How scientists work on new models (theories) to explain new observations