Ice Giants Workshop

July 2014, Maryland/DC area

Organizing Committee:
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Leigh Fletcher
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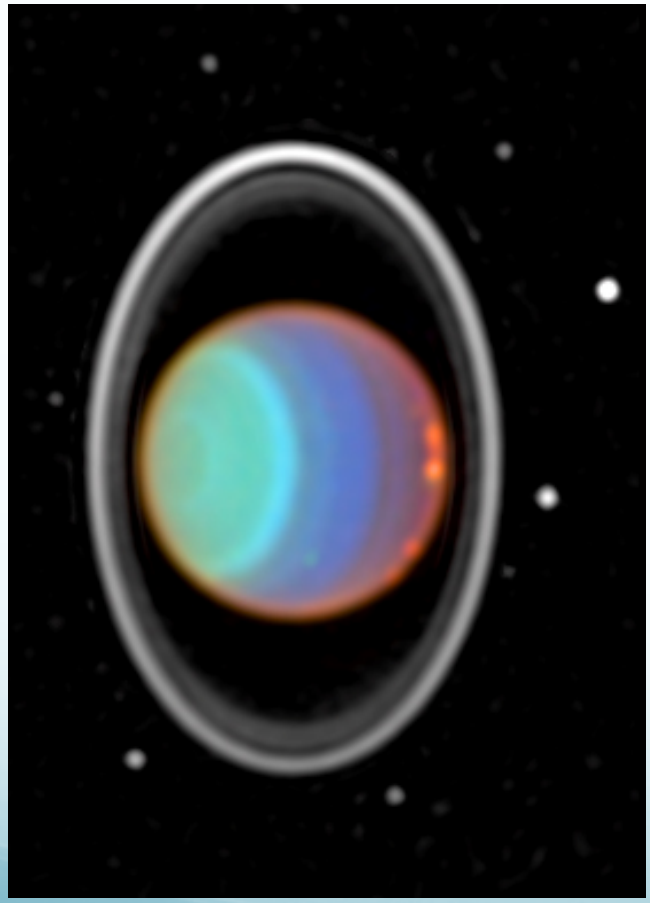
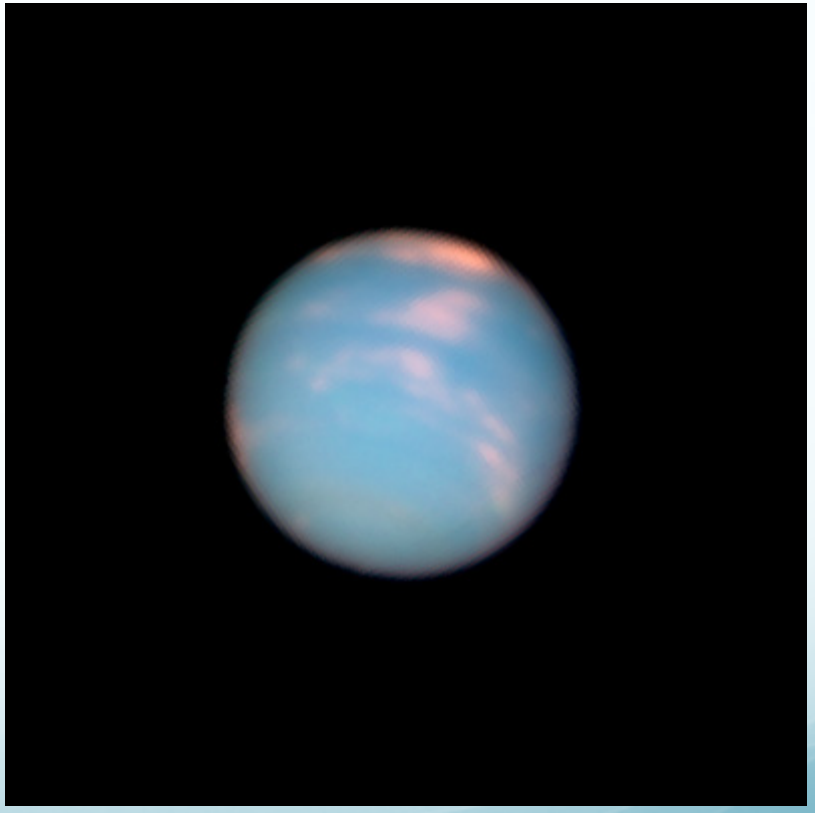
Steve Mackwell

Meeting Objective

Raise awareness of the uniqueness/importance of ice giants; lay out key science goals and potential suite of investigations for NF-flagship mission concepts



STScI/Karkoschka



STScI/Hubble Heritage

Meeting Purpose

- Review what we *know currently* (including atmosphere, interior, rings, satellites, magnetosphere) - data, modeling – GCM, condensed matter physics, etc.
  - Relate to gas giants
  - Relate to planetary formation scenarios
  - Relate to exoplanets (methane or ammonia, clouds, ice, or gas, etc.); contrast Uranus vs. Neptune and what that says about exoplanets
- Review what we *want to know* about ice giants and associated satellites and rings (structure, dynamics, composition, etc.)
- Plan series of measurement options (instruments/missions/ground-based)
  - Develop preliminary Science Traceability Matrix
  - Discuss mission studies
- Discuss future strategy
  - Influencing ESA M/L-class calls, NASA Flagship studies, next Decadal
  - Special journal volume?
  - Writing community white papers and other promotional materials

Meeting Logistics

When: 2.5 day meeting, June-July 2014

Where: Columbia, MD: USRA HQ or APL?

Timing:

- First announcement: *asap*
- Second announcement: early March
- Abstract deadline: mid-April
- Online program: early-May
- Final announcement: mid-May
- Pre-registration deadline: end of May
- Meeting: June – July