

The View from 5 AU: Measuring the Diffuse Sky Brightness from the Outer Solar System

March 25-26th, 2010

6th annual workshop organized and hosted by:

The Center for Cosmology, University of California, Irvine

Location: Arnold and Mabel Beckman Center of the National Academies

physics@uci

workshop goals

- a) To establish the scientific goals of measuring the diffuse sky brightness from the vantage point of the outer Solar system, pertaining to the cosmic infrared background and interplanetary dust.
- (b) To assess astrophysical sciences enabled by simultaneous observations at 1 AU and a small aperture telescope at 5AU.
- (c) To establish the practical means for cruise-phase science using a small aperture optical to near-infrared telescope on an outer planets mission.
- (d) To establish instrumentation priorities and specifications.

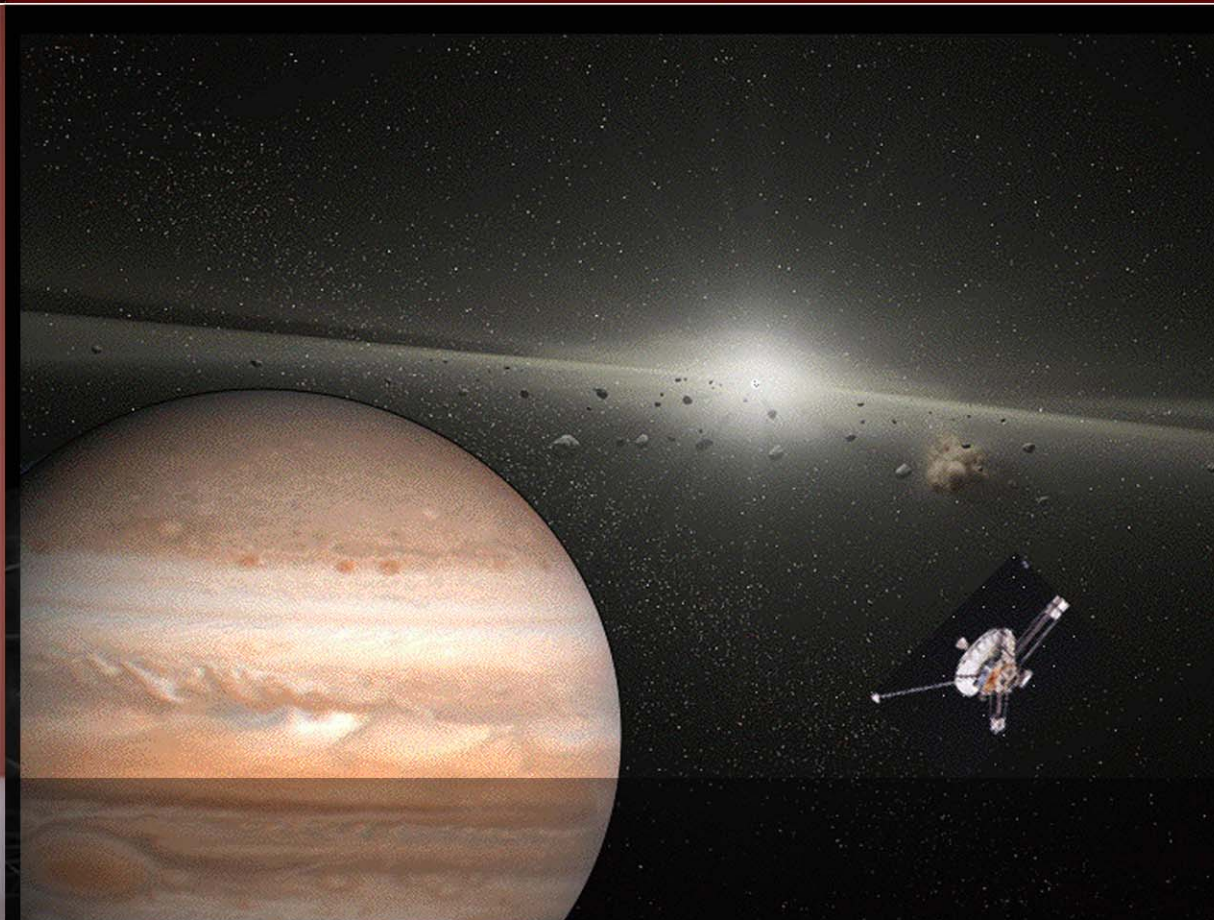
topics

- :: Extragalactic Background
- :: Galaxy Evolution Models
- :: Reionization
- :: Oort Cloud, Kuiper Belt and Trans Neptunian Objects
- :: Origin, nature, and evolution of interplanetary dust
- :: Microlensing and similar applications
- :: The Search for Exoplanets
- :: Instrument Concepts

organizing committee

:: Charles Beichman (Caltech) :: Jamie Bock (JPL) :: Mike Brown (Caltech)
:: Ranga Chary (Caltech) :: Asantha Cooray (UC Irvine) :: Giovanni Fazio (Harvard/CfA)
:: Mike Hauser (STScI) :: John Mather (NASA GSFC) :: Toshio Matsumoto (JAXA/ISAS)
:: David Nesvorny (SWRI) :: William Reach (Caltech) :: Mark Sykes (PSI) :: Mike Werner (JPL)

welcome!



website: <http://www.physics.uci.edu/5AU>

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