



RSPP seminars

Dr Daniel Toledo

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“Nature of the haze and clouds on Uranus”

“Despite its very low internal heat source, Uranus undergoes a cycle of dramatic seasonal atmospheric changes in cloud and hazes. These changes show a seasonal pattern mainly driven by the extremely large obliquity of the planet (98°). Different observations have revealed, for instance, the presence of discrete clouds at different locations and time periods or the formation at high latitudes of bright banded regions in both hemispheres before and after the 2007 equinox. In order to study the formation, growth and optical properties of aerosols we performed a number of radiative transfer and cloud microphysics simulations. In this presentation we will discuss the implication of our observations and simulations for Uranus' aerosol structure and evolution”.



Wednesday, March 21st at 2 pm in Physics LTC