

Bio - Dr. Nancy Chanover

Dr. Nancy Chanover is a Professor in the Astronomy Department at New Mexico State University. In 2017 she was appointed as the Director of the Astrophysical Research Consortium 3.5m telescope at Apache Point Observatory. Dr. Chanover's research involves the study of planetary atmospheres using visible and infrared imaging and spectroscopic techniques. She has worked on projects involving the upper atmospheric chemistry of Venus; measuring wind speeds on Venus, Jupiter, and Saturn; and studying the atmospheric vertical structure of Jupiter, Saturn, and Titan using radiative transfer modeling. Many of her ground-based observing efforts have been in support of and complementary to NASA spacecraft missions such as Galileo and Cassini. Dr. Chanover is also involved in the development of new instrumentation for planetary science, primarily acousto-optic tunable filter instruments for high spectral resolution imaging and/or spatially resolved spectroscopy. Dr. Chanover is the PI of NASA's Planetary Data System Atmospheres Discipline Node, which is located in the NMSU Astronomy Department. The PDS archives all data from planetary spacecraft missions.