

Thursday, March 10, 2011

POSTER SESSION II: SMALL BODIES: OUTER SOLAR SYSTEM AND METEORS
6:00 p.m. Town Center Exhibit Area

Sitko M. L. Russell R. W. Lisse C. M. Kelley M. S. Wolff M. J. Hammel H. B.

[*The Grain Albedo of Comet 103P/Hartley 2*](#) [#1748]

Comet 103P/Hartley 2 was observed over a wavelength range of 0.44–13 μm . Using these data, the bolometric albedo, the ratio of the scattered light to the sum of scattered and thermal emission, was found to have a value of 0.052.

Ipatov S. I.

[*The Outburst Triggered by the Collision of the Deep Impact Module with Comet Tempel 1, and Cavities in Comets*](#) [#1317]

The outburst of Comet Tempel 1 triggered by the collision of the Deep Impact impact module with the comet testifies in favor of the existence of cavities that contained dust and gas under pressure and were located close to the surface of the comet.

Grav T. Mainzer A. K. Masiero J. Bauer J. M. Cutri R. M. McMillan R. S.

Walker R. G. Wright E. L.

[*WISE Observations of Jupiter Trojans*](#) [#2190]

We are presenting our analysis of the observations of the Jupiter Trojan population performed by the Wide-field Infrared Survey Explorer. WISE launched December 14, 2009 and began its survey operations a month later.

Doressoundiram A. Roques F. Chang H.-K. Boissel Y. Shih I. C. Dauny F.

Liu C.-Y. MIOSOTYS Team

[*The Search for Trans-Neptunian Stellar Occultations with MIOSOTYS*](#) [#1669]

MIOSOTYS (Multi-object Instrument for Occultations in the SOLar system and TransitorY Systems) is a multi-fiber positioner coupled with a fast photometry camera. The objective is to probe the Kuiper disk through serendipitous stellar occultations.

Lisse C. M. Chen C. H. Wyatt M. C. Morlok A. Thebault P. Bryden G. Watson D. M. Manoj P.

Sheehan P. Sloan G. Currie T. M.

[*Spitzer Observations of \$\eta\$ Corvi: Evidence at \$\sim 1\$ Gyr for an LHB-Like Delivery of Organics and Water-Rich Material to the THZ of a Sun-Like Star*](#) [#2438]

We present Spitzer evidence for a KBO's worth of warm dust in the THZ of the nearby ~ 1.4 -Ga-old Eta Corvi system. Coupled with ongoing production of a large amount of cold KB dust at ~ 150 AU, we find good evidence for an ongoing LHB in this system.

Bouley S. Atreya P. Vaubaillon J. Colas F. Koten P. Capek D.

[*High Resolution Detection of Geminids 2010*](#) [#1390]

During the Geminids 2010, we tested and used cameras with large CCD sensors to observe multistation meteors in the south of France. These observations will allow computation of the most accurate orbit ever calculated of these video-meteoroids.

Fries M. Fries J. Schaefer J.

[*A Probable Unexplored Meteorite Fall Found in Archived Weather Radar Data*](#) [#1130]

Imagery from NEXRAD radar archives appears to show a meteorite fall at a location defined by eyewitness accounts of a bright meteor event just north of Jacksonville, Illinois, on 04 Feb 2007. Archived radar data may contain many undiscovered falls.