

Thursday, March 21, 2013
POSTER SESSION: PHOBOS AND DEIMOS
6:00 p.m. Town Center Exhibit Area

[R715]

Kokhanov A. A. Basilevsky A. T. Karachevtseva I. P.
Nadezhdina I. E. Zubarev A. E.

POSTER LOCATION #153

[Depth/Diameter Ratio and Inner Walls Steepness of Large Phobos Craters](#) [#2289]

Using new DTM of Phobos made at MIIGAiK, 23 craters ≥ 2 km in diameter were measured for depth/diameter ratio and maximum steepness of the crater inner walls.

Schmedemann N. Michael G. G. Ivanov B. A. Murray J. Neukum G.

POSTER LOCATION #154

[Crater Retention Ages of Phobos Based on a Lunar-Like Chronology](#) [#2193]

We derived lunar-like chronologies for two cases of Phobos' origin. We date average surface, crater Stickney, and different sets of grooves.

Shi X. Willner K. Oberst J.

POSTER LOCATION #155

[Evolution of Phobos' Orbit, Tidal Forces, Dynamical Topography, and Related Surface Modification Processes](#) [#1889]

Correlations between the evolution of Phobos' dynamical topography and surface modification processes suggest some of its surface features are relatively young.

Lemmon M. T. Bell J. F. III Malin M. C. Bean K. M. Vasavada A. R. et al.

POSTER LOCATION #156

[Astrometric Observations of Phobos and Deimos During Solar Transits Imaged by the Curiosity Mastcam](#) [#1787]

Two moons in the sky, wandering by the Sun's face, their orbits constrained.