WORKSHOP ON SURFACE AGES AND HISTORIES:  
ISSUES IN PLANETARY CHRONOLOGY  
ELECTRONIC PRESENTATIONS  

SUNDAY, MAY 21, 2006  
POST MODERN FLUX IN THE SOLAR SYSTEM  
9:00 a.m.  Lecture Hall  
Chair: W. McKinnon  

Ivanov B. A. * [INVITED]  
Cratering Rate Comparisons Between Terrestrial Planets  

Bottke W. F. * Morbidelli A. [INVITED]  
The Asteroid and Comet Impact Flux in the Terrestrial Planet Region: A Brief History of the Last 4.6 Gyr  

Levison H. * [INVITED]  
The Early Dynamical Evolution of the Outer Solar System: A Nice Story  

Swindle T. D. * Kring D. A. [INVITED]  
Evidence for, and Significance of, the Inner Solar System Cataclysm  

Bogard D. D. *  
Bombardment History of the Moon: What We Think We Know and What We Don’t Know  

ON THE ROCKS  
1:30 p.m. Lecture Hall  
Chair: L. Borg  

Nyquist L. E. * [INVITED]  
Martian Meteorite Ages and Implications for Martian Cratering History  

Albarede F. * Bouvier A. Blichert-Toft J. Vervoort J. D. [INVITED]  
These Good Old Shergottites  

Anderson F. S. * Whitaker T. Miller G. Young D. Mahoney J. Norman M. Pilger E. French G.  
A Laser RIMS Instrument to Date Igneous Rocks Using Rb-Sr and Measure Elemental Chemistry  

Development of an In Situ Luminescence Dating Device for Dating of Geomorphological Features on Mars  

Wright S. P. * Wyatt M. B. Christensen P. R.  
An Orbital Search for Bounce Rock-like Thermal Emission Spectra and Implications for Calibrating Crater Counts with Shergottite Ages  

MONDAY, MAY 22, 2006  
KRATER KRONOLOGY  
9:00 a.m. Lecture Hall  
Chair: P. Schenk  

Hartmann W. K. * [INVITED]  
Utilizing Martian Craters to Derive Chronologic Information  

McEwen A. S. * [INVITED]  
Cratering Age Considerations for Young Terranes in the Inner Solar System  

Neukum G. * Werner S. C. Ivanov B. A. [INVITED]  
The Characteristics of the Impact Crater Production Size-Frequency Distributions on the Solar System Planetary Bodies, Their Relationships to Asteroidal and Cometary Impacts, and the Question of Secondary-Cratering Contributions
SECONDARY REDUX
1:30 p.m.  Lecture Hall
Chair: J. Plescia

Ivanov B. A. *
Notes About Secondary Crater SFD

Barlow N. G. *
The Production Rate and Distribution of Secondary Craters on Mars

Werner S. C. * Ivanov B. A. Neukum G.
Mars: Secondary Cratering — Implications for Age Determination

Quantin C. Mangold N. * Hartmann W. Allemand P.
Density of Small Impact Craters on Mars: Dominated by Secondaries or Secondary and Primary Mixing?

Bierhaus E. B. *
Crater Signal-to-Noise: Extracting Europa’s Small Primary Crater Population, and What that Means for the Outer Solar System Small Projectile Population

TUESDAY, MAY 23, 2006

DEGRADING (AND OTHER) ISSUES
9:30 a.m.  Berkner Room
Chair: E. Turtle

Schultz P. H. *
Uncovering Mars

How Geology Affects Crater Size-Frequency Distributions and Determination of the Crater Production Function for Craters >5 km in Diameter on Mars

Thomson B. J. *
Surface Age Conundrum in the Northern Plains of Mars: Ground Truth at the Viking 2 Lander Site

Young D. A. * Hansen V. L.
The Case of the Disappearing Contact: Stratigraphic Bias in Planetary Mapping

Castillo J. C. * Matson D. L. Fortney J. Johnson T. V.
The Role of Giant Planet’s Luminosity on Satellites’ Surface Evolution

Iapetus and Enceladus: First Contributions of High-Precision Geophysical Modeling to Solar System Chronometry and Chronology