

Vernadsky-Brown Microsymposium 35
Lunar and Planetary Institute, Houston, Texas
Berkner Rooms D, E, and F

The Noachian Period of the History of Mars
~ Program ~

Saturday, March 9, 2002

1:00 pm Introduction: Major Events in the Noachian Period of Mars
~ J. W. Head and A. T. Basilevsky

**Crustal Formation and Early Evolution:
Geochemistry of Early Mars**

1:10 On Possible Trends in the Geochemistry of Noachian Material on Mars:
Implications for the Odyssey Gamma Ray Spectrometer
~ A. T. Basilevsky

1:40 Modelling of chemical differentiation in high-velocity impacts
~ M. V. Gerasimov

2:10 On the Possible Behavior of K, U, and Th In Surface Processes on Early Mars
~ M. Yu. Zolotov

2:40 Geochemistry of the Crust and Mantle of Mars: A SNC Perspective
~ S. M. McLennan

Thermal Structure: Geophysics of Early Mars

3:10 Noachian Thermal Structure and Evolution: Implications for Admittance Data
~ P. J. McGovern

The Geological Record of the Noachian

3:30 Evidence for Extensive Degradation in the Noachian from the Impact Cratering Record
~ C. R. Chapman

4:00 Evidence for Early Oceans on Mars
~ T. J. Parker et al.

4:30 Stratigraphic Overview of the Noachian Period of Mars
~ K. L. Tanaka

5:00 Evidence for an Early Noachian Age for Buried Lowland Crust and for an Earlier Early
Noachian Highland Crust
~ H. Frey

5:30 Plate Tectonics on Mars
~ J. M. Dohm

6:00 Posters and Reception

6:30 Adjourn

Sunday, March 10, 2002

8:30 am Plate tectonics on Early Mars?
~ V. R. Baker

New Data

9:00 Early Insights into the Noachian from Odyssey Data
~ R. S. Saunders

Noachian Magnetism and Crustal Evolution

9:30 Magnetic Anomalies on Mars: Nature and Timing
~ F. Nimmo

Impact Cratering and Chronology

10:00 Meteoritic Bombardment in the Noachian Time: Influence on Geological and
Atmospheric Evolution
~ B. A. Ivanov

10:30 Crater Chronology Perspective on the Noachian
~ W. K. Hartmann

Early Atmosphere and Implications for Life

11:00 The Nature of the Noachian Climate on Mars
~ S. M. Clifford

11:30 Noachian Atmosphere: Steady-state or intermittent?
~ N. Hoffman

Synthesis

12:00 Insights into the Earliest History of Mars: A New Synthesis and Outstanding Questions
~ S. C. Solomon

12:30 Adjourn