

PRINT ONLY: EXPLORATION AND OBSERVATIONS

Cleghorn T. F. Saganti P. B. Zeitlin C. Cucinotta F. A.
Charged Particle Dose Measurements by the Odyssey/MARIE Instrument in Mars Orbit and Model Calculations [#1321]

The charged particle cosmic radiation environment at Mars orbit has been measured by the MARIE instrument onboard the Odyssey spacecraft. Results of these measurements, and the subsequent analyses will be presented.

Esipko O. A. Rosaev A. E.
Earth Thermal Field Variations in Dependence from Lunisolar Tides (by Vorotilovo Deep Well Observations) [#1037]

The variations of upper crust geophysical parameters (temperature, seismic-acoustic, etc) show the dependence from tidal gravity variations. In accordance with our results, the main dissipation in Earth's upper core takes place in the depth interval 1800–2000 meters.

Gaviraghi G.
ASTROHAB a Modular Construction System for Lunar Bases [#1092]

This high costs of space accessibility and the need to maximise the utilisation of local resources has been the basic design requirement for this habitation construction system which could be used for stations and bases on the Moon.

Greenspon J. A. Mardon A. A.
Solar Power Satellites for Orbital and Non-Terrestrial Applications [#1343]

This paper dicusses the potential of delivering safe, long-term power to assets in Earth, lunar or inner solar system assets.