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Abdrakhimov A. M.
*Re-Examine Lunokhod Sites: Old and New Geochemical Data* **[#2547]**
The geochemical comparing of soviet lunar rovers data and Clementine data were executed.

Evans R. Wöhler C. Lena R.
*Analysis of Absorption Trough Features Using Clementine UVVIS+NIR Imagery* **[#1093]**
This study explores the mapping of spectral parameters of lunar features, describing the absorption trough near 1000 nm, using the calibrated Clementine UVVIS+NIR data set covering the wavelength range between 415 and 2000 nm.

Peters S. Foing B. H. Koschny D. Grieger B. Lossett J.-L. Beauvivre S. Grande M. Huovelin J. Keller H. U. Mall U. Nathues A. Malkki A. Noci G. Sodnik Z. Kellett B. Pinet P. Chevrel S. Cerroni P. de Sanctis M. C. Barucci M. A. Erard S. Despan D. Muinonen K. Shevchenko V. Shkuratov Y. Ellouzi M. Peters S. Borst A. Bexkens F. Almeida M. Frew D. Volp J. Heather D. McMannamon P. Camino O. Racca G.
*SMART-1: Review of Lunar Highlights* **[#2298]**
The SMART-1 spacecraft operated from 400-3000 km for 1.5 year until impact. We shall report at LPSC2009 on SMART-1 lunar highlights relevant for science and exploration, in relation with subsequent missions Kaguya, Chang'E1 and Chandrayaan-1.

Ivatury V. McClanahan T. P.
*Image Restoration of Lunar Neutron Albedo Maps for the Lunar Exploration Neutron Detector (LEND)* **[#1134]**
Determine the optimal image restoration technique for restoring the hydrogen lunar albedo maps for the Lunar Exploration Neutron Detector (LEND) on the Lunar Reconnaissance Orbiter (LRO).

Khisina N. Nazarov M. Senin V. Mohov A.
*Cr-Ca Symplectite Lamellea in an Olivinen Grain from the Luna-24 Regolith* **[#1053]**
Lamellae of Cr-Ca symplectites consisted of spinel + diopside + ortopyroxene + larnie in the olivine grain from Luna-24 regolith were investigated using of EMPA and ASEM. The origin of the Ca-Cr symplectite lamellae is discussed.

Lena R. Wöhler C.
*Effusive Lunar Domes Near Kepler and Piccolomini: Morphometry and Mode of Emplacement* **[#1092]**
In this study we provide a comparative morphometric and rheologic analysis of two lunar effusive domes, located in Oceanus Procellarum to the west of the crater Kepler, and inside Rupes Altai near the crater Piccolomini, respectively.

McCallum I. S. Mullen E. K.
*Mare Basalt Petrogenesis Revisited: Rb/Sr, Sm/Nd and Lu/Hf Fractionation Factors, Mantle Source Regions and Crustal Contamination* **[#2380]**
Fractionation factors (Rb/Sr, Sm/Nd, Lu/Hf) of mare basalts at the time of formation constrain the mineralogy and melt fraction of mantle sources. For all but high-K basalts, mantle residues are harzburgitic. High-K basalts are KREEP contaminated.

Pugacheva S. G. Shevchenko V. V. Chikmachev V. I.
*The Dependence of the Chemistry on the Depth for the South Pole-Aitken Lunar Basin* **[#1109]**
The distribution of the major chemical elements (Fe and Th) depending upon the structure height levels of the South Pole-Aitken Lunar Basin, has been obtained.

Shevchenko V. El-Baz F. Gaddis L. Hiesinger H. Shkuratov Yu. Whitaker E. Wilson L. Blue J.
*The IAU/WGPSN Lunar Task Group and the Status of Lunar Nomenclature* **[#2016]**
This abstract summarizes the rules for naming features on planets as well as the status of nomenclature for the Moon.

Wöhler C. Lena R.
*The Lunar Concentric Crater Archytas G Associated with an Intrusive Dome* **[#1091]**
In this study we show that the lunar concentric crater Archytas G is associated with the intrusive dome Ar1. We estimate the morphometric parameters of Archytas G and Ar1 and discuss possible modes of formation for the concentric crater.