Zegers T. E.  Conan Y. G.  Foing B.
*Geology of Noachian Martian Highlands Surrounding the Gusev Crater* [#1767]
To characterize the highland areas neighboring the Spirit landing site we study the available visual and IR image data (THEMIS, MOC), MOLA altimetry data and possibly new HRSC data from Mars Express.

Raitala J.  Ivanov M.  Aittola M.  Kostama V.-P.  Korteniemi J.
*The History of Deposition and Nature of Material in Hellas Basin, Mars* [#1134]
Hellas Basin has been a sink for various materials. Our detailed study considers deposit units, transport paths, deposition modes, and other aspects of geological history that led to accumulation of a suite of material on the Hellas floor.

*Geologic Mapping of the Medusae Fossae Formation on Mars* [#1539]
To better understand the origins of the Medusae Fossae Formation (MFF), we are mapping the Gordii Dorsum escarpment in the eastern part of MFF between 210° and 218°E longitude.

Ori G. G.  HRSC Co-Investigator Team
*Geology of the Aram Chaos from MGS-Mars Odyssey Missions and Mars Express HRSC Data* [#1596]
The Aram Chaos shows complex geological history. The area is extensively studied, but new data may bring some hints about the chaos evolution and the meaning of the presence of hematite.

De Hon R. A.
*Toward a Comprehensive Stratigraphic Column of Mars* [#1381]
In the absence of onsite drilling, seismic stratigraphy appears to be the only viable technic to fully decipher the planet’s complex sedimentary history.

Chittenden D.  McGovern P. J.
*The Olympus Mons Aureole Deposits: Constraints on Emplacement Scenarios Based on Remotely Sensed Data* [#2074]
MOC and MOLA data of Olympus Mons reveal detailed features that suggest possible scenarios for the development of the surrounding aureole lobes. We focus on the two leading hypotheses of aureole formation in order to constrain the viable options.