Spatially quasi-periodic sedimentary sequences: Records of orbital variability or not?

Spectral analysis of the lower Eocene Wilkins Peak Member, Green River Formation, Wyoming: Support for Milankovitch cyclicity

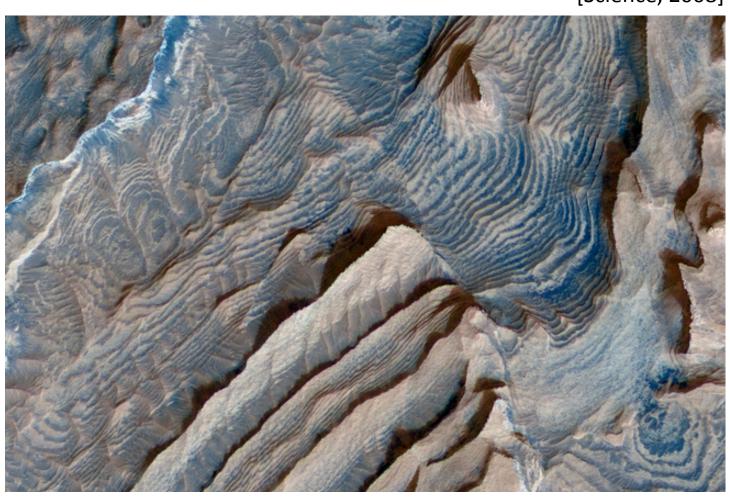
M.L. Machlus*, P.E. Olsen, N. Christie-Blick, S.R. Hemming [EPSL, 2008]



Quasi-Periodic Bedding in the Sedimentary Rock Record of Mars

Kevin W. Lewis, 1* Oded Aharonson, 1 John P. Grotzinger, 1 Randolph L. Kirk, 2 Alfred S. McEwen, 3 Terry-Ann Suer 1

[Science, 2008]



Potential CSDMS contributions:

What are the mechanisms by which orbital variability could lead to the formation of quasi-periodic sedimentary sequences?

What non-orbital mechanisms can generate quasi-periodic sedimentary sequences?

How can we tell the difference?