

Thursday, March 22, 2012
POSTER SESSION II: MARTIAN (ALLUVIAL) FANS AND (DEBRIS) FLOWS
6:00 p.m. Town Center Exhibit Area

Morgan A. M. Beyer R. A. Howard A. D. Moore J. M.

[*The Alluvial Fans of Saheki Crater*](#) [#2815]

Characteristics of the Saheki Crater fans suggest that they formed during the late Hesperian to early Amazonian periods, possibly under conditions similar to those that were prevalent during the formation of fans in the Atacama Desert, Chile.

Johnsson A. Reiss D. Zanetti M. Hauber E. Hiesinger H.

[*Recent Debris Flow Deposits in a Pristine Impact Crater, Mars: Insights from Terrestrial Analogous on Svalbard*](#) [#2111]

We have identified well-preserved debris-flow deposits within a pristine crater on Mars. The deposits show several diagnostic features of being formed by water-bearing sediment flows. Crater retention age suggest a very young age for the deposits.

Wilson S. A. Grant J. A. Howard A. D.

[*Distribution of Intracrater Alluvial Fans and Deltaic Deposits in the Southern Highlands of Mars*](#) [#2462]

CTX images were used to expand on the previously mapped distribution of alluvial deposits in craters across the southern highlands of Mars. We identified 78 additional craters with fans or deltas in the study region from 0–360E between 0–40S.