Thursday, March 23, 2017

POSTER SESSION II: ENVIRONMENTAL ANALOGS IV: TRANSPORT PROCESSES
6:00 p.m. Town Center Exhibit Area

Palumbo A. M. Head J. W. POSTER LOCATION #355
An Analysis of Seasonal Temperature Variation in the Antarctic McMurdo Dry Valleys: Implications for Early Martian Climate and Valley Network Formation [2192]
The MDV as an analog for cold early Mars: Warmest summer conditions produce temperatures >273 K, permitting ice melt, runoff, and formation of fluvial features.

Cardenas B. T. Goudge T. A. Hughes C. M. Mohrig D. Levy J. S. POSTER LOCATION #356
Stratigraphic Architecture of Compound Channel-Filling Deposits in the Cedar Mountain and Morrison Formations, Utah: Stratigraphic Analogs to Martian Sinuous Ridges [1946]
Analog field work in Utah demonstrates that martian sinuous ridges likely represent the vertical stacking of multiple flow events.

Cloutis E. A. Casson N. J. Applin D. M. Poitras J. T. Moreras Marti A. et al. POSTER LOCATION #357
A Hydrologic- and Biosignature-Driven Field Campaign at an Inverted Fluvial Channel Site: Hanksville, UT, USA [2464]
A field campaign was conducted at a fluvial Mars analogue site in Utah, USA to investigate the information content of current and future Mars rover instruments.

Bernhardt H. Reiss D. Hauber E. Hiesinger H. Johnsson A. POSTER LOCATION #358
Short Debris Flow Recurrence Periods for a Svalbard Debris Fan: Possible Implications for Earth and Mars [1132]
Analyses of a debris fan on Svalbard show debris flow recurrence periods to be no more than few 10s of years, indicating Mars analogies should be re-evaluated.

Kuhn N. J. POSTER LOCATION #359
Parabolic Flights as Earth Analogue for Surface Processes on Mars [1472]
Terrestrial analogues for surface processes on Mars are limited, e.g. by gravity. This study presents parabolic flights as tools for model calibration.