

Tuesday, March 20, 2018
**POSTER SESSION I: ENVIRONMENTAL ANALOGS II:
 WATER AND ICE PROCESSES**
 6:00 p.m. Town Center Exhibit Area

[T318]

Black S. R. Hynek B. M. McHenry L. J. Glenister C.

Cameron B. I. et al.

POSTER LOCATION #198

[Bulk Mineralogy of Surficial Hydrothermal Acid-Sulfate Deposits at Námafjall, Þeistareykir Geothermal Field, and Hengill Volcano, Iceland: Implications for the Identification and Interpretation of Hydrothermal Deposits on Mars](#) [#1643]

Iceland field sites show / Iron-rich basalt's role in / Hydrothermal Mars.

Glenister C. T. McHenry L. J. Cameron B. I. Hynek B. M.

POSTER LOCATION #199

[A Mineralogical and Hydrological Evaluation of Various Hydrothermal Environments at the Nesjavellir Geothermal Field in Southwest Iceland](#) [#2974]

The Nesjavellir Geothermal field is host to two unique streams that share similarities with deposits in Gusev Crater.

Allender E. J. Cousins C. R. Gunn M. D. Barnes R.

POSTER LOCATION #200

[Multi-Scale Analysis of Alluvial Sedimentary Outcrops in Utah Using ExoMars 2020 PanCam, ISEM, and CLUPI Emulators](#) [#1911]

We develop and test ENVI+IDL spectral analysis tools for ExoMars 2020 PanCam, ISEM, and CLUPI instruments using data from Mars analog sites in Utah, USA.

Potter-McIntyre S. L. Thomas R. Osterloo M. Hynek B. M.

POSTER LOCATION #201

[Windows into the Habitable Subsurface: Terrestrial Examples of Exposed Subsurface Mineralization as Analogs for Mars](#) [#1706]

Subsurface habitability is recorded in the surface minerals precipitated from subsurface fluids via fracture-controlled fluid flow on both Earth and Mars.

Schmidt M. E. Fedo C. M. McLennan S. M. Spray J. G. Thompson L. M.

POSTER LOCATION #202

[MSL-Relevant Geologic Field Trip to Northern Ontario, Canada: The Sudbury Impact Structure and Huronian Supergroup](#) [#1227]

A three-day field trip exploring bedrock near Sudbury, Espanola, and Elliot Lake, ON Canada analogous to rocks and structures examined by Curiosity in Gale Crater.

Quintal H. Head J. Palumbo A. Dickson J.

POSTER LOCATION #203

[McMurdo Dry Valleys: Exploring Antarctica as a Mars Analogue](#) [#2627]

We explore stream order of and climate at the Onyx River, Antarctica to determine whether the river can be used as an analogue for the martian valley networks.

Fox-Powell M. G. Osinski G. R. Gunn M. Applin D. Cloutis E. et al.

POSTER LOCATION #204

[Low-Temperature Hydrated Salts on Axel Heiberg Island, Arctic Canada, as an Analogue for Europa](#) [#2564]

We present spectral properties of natural salts from the Canadian High Arctic and their relevance to understanding non-icy material on the surface of Europa.

Hruba J. Kletetschka G.

POSTER LOCATION #205

[The Heat Flux Through the Ice Shell on Europa, Constraints from Measurements in Terrestrial Conditions](#) [#1953]

Temperature record of ice cover over a pond revealed the importance of solar radiation during the ice growth. We show the analog with measurements on Europa.