Tuesday, March 19, 2013

POSTER SESSION: INTO THE FIELD WITH THE LABORATORY: ANALOG TESTS OF LABORATORY TECHNIQUES
6:00 p.m. Town Center Exhibit Area

Bramble M. S. Flemming R. L. Hutter J. L. POSTER LOCATION #697
A Temperature-Controlled Sample Stage for Micro-X-Ray Diffraction of Mirabilite-Containing Samples from Wolf Spring, Axel Heiberg Island, Nunavut, Canada [#1729]
A temperature-controlled sample stage was created for a micro-X-ray diffractometer to analyse samples from an Arctic saline spring at an in situ temperature.

Lalla E. Lopez-Reyes G. Rull F. Martinez-Frias J. Sansano A. et al. POSTER LOCATION #698
Raman Analysis of Basaltic Samples from Tenerife Island (Cañadas, Azulejos, and Historical Eruptions) with the Exomars RLS Instrument [#2403]
Analysis of selected samples from Tenerife, where it has been compared with result obtained by the ExomarsRLS Simulator and conventional laboratory MicroRaman-XRD.

Catalá-Espi A. Lefebvre C. Sobrón P. Léveillé R. Koujelev A. et al. POSTER LOCATION #699
3D Chemical Mapping Using LIBS: Implications for Geochemical Investigations on Mars [#2726]
In this paper, we show a geochemical investigation of a natural coated basalt that demonstrates the capability of LIBS to produce 3-D chemical maps of targets.

Winebrenner D. P. Elam W. T. Miller V. Carpenter M. POSTER LOCATION #700
A Thermal Ice-Melt Probe for Exploration of Earth-Analogs to Mars, Europa and Enceladus [#2986]
We describe a thermal melt-probe for inexpensive access to terrestrial subglacial analogs for Mars, Europa, Enceladus, and prospectively other locations.