

Monday, June 16, 2014

POSTER SESSION: SCIENCE AND INSTRUMENTATION

6:30 p.m. Dabney

Rafkin S. Banfield D. Andrews J. Soto A. Nowicki K. Case T. Dissly R. Dwyer-Cianciolo A.
Fenton L. Genzer M. Karatekin O. Lange C. F. Merrison J. Neal K.

[*The Atmospheric Characterization for Exploration and Science \(ACES\) Instrument Suite for Mars*](#) [#8079]

The ACES instrument suite is designed to address the highest priority lower atmosphere goals identified by MEPAG, and to address both Strategic Knowledge Gaps (SKGs) and science goals identified for the Mars 2020 mission.

Omalý P. O. Hebert P. H.

[*ICOTOM: Narrow Band Infrared Radiometer*](#) [#8080]

On Mars space vehicle back-shield, the radiative heat flux can represent up to 100% of the total heat flux. This flux is mainly due to the infra-red CO₂ radiation.

Zacny K. Chu P. Paulsen G. Indyk S.

[*Comet Surface Sampling Technologies*](#) [#8024]

The goal of the Comet Surface Sample Return (CSSR) is to acquire and return to Earth a ≥ 500 cc sample. Honeybee developed several sampling technologies including a standalone CSSR Probe (CSSRP) and Pyramid Comet Sampler (PyCoS).