

N. J. Chanover, D. A. Glenar, D. Voelz, X. Xiao, R. Tawalbeh, P. Boston, W. Brinckerhoff, P. Mahaffy, S. Getty, "An AOTF-LDTOF Spectrometer Suite for In Situ Organic Detection and Characterization", Astrobiology Science Conference 2010, Lunar and Planetary Institute, Houston (2010)

We discuss the development of a miniature near-infrared point spectrometer, operating from 2–4 microns, based on AOTF technology. It is paired with a laser desorption time-of-flight mass spectrometer for volatile or refractory organics detection.