



The Composition of Titan's Surface at the Probe Landing Site

H. Niemann (1) J. Demick-Monterlara (1) , **T. Owen** (2), F. Raulin (3)

(1) NASA Goddard Flight Center, USA, (2) University of Hawaii, Institute for Astronomy, USA, (3) University of Paris, France (owen@ifa.hawaii.edu / Fax: +1-808-956-9580)

This is a progress report on the analysis of compounds detected by the GCMS after the Huygens probe landed. We find two discrete types of vaporization by compounds condensed on the surface that appear to imply the presence of both solid and liquid sources. We will illustrate these findings and present a list of abundances and upper limits for species investigated to date. We have found no evidence yet for high molecular weight compounds in these data. A comparison of these results with detections reported elsewhere on Titan's surface by VIMS suggests striking local variations.