



Real-time continuous FTIR monitoring of Stromboli Volcano

M. Burton (1), R. Harig (2), T. Caltabiano (3), J. Gorgas (2), M. Jordan (2), A. La Spina (3), F. Murè (3), P. Rausch (2), G. Salerno (3), and S. Giammanco (3)

(1) Istituto Nazionale di Geofisica e Vulcanologia, Pisa, Italy, (2) TuHH, Hamburg-Harburg, Germany, (3) Istituto Nazionale di Geofisica e Vulcanologia, Catania, Italy

In this paper we present the first results and interpretations from the CERBERUS system, a continuously measuring FTIR spectrometer recently installed on Stromboli volcano. The instrument allows remote control observation and measurement of gas emissions from different points within Stromboli's crater terrace, using an integrated infrared camera / scanning mirror / FTIR system.