



université PARIS-SACLAY

MARS EXPRESS : SPECTROSCOPY FOR THE INVESTIGATION OF THE CHARACTERISTICS OF THE ATMOSPHERE OF MARS (SPICAM)

The SPICAM instrument (SPectroscopy for the Investigation of the Characteristics of the Atmosphere of Mars) consists of two spectrometers, one operating in ultraviolet, the other in infrared. SPICAM studies the vertical distribution of oxygen, dust and carbon dioxide contained in the atmosphere of Mars. It constitutes a major element of the French instrumental participation in the Mars Express mission supported by the CNES.



The data from the instrument are received, processed, exploited and analysed by our team of engineers and scientists at LATMOS.

A clear degradation of the UV channel has compromised the collection of observations since August 2011. However, a database of more than 6 years could be assembled, allowing the atmosphere of Mars and its climate to be studied on diurnal scales, seasonal and multi-annual.

OSU : OVSQ

Status: Observation Service approved by INSU/ASTRO (SO2)

Laboratory in charge: LATMOS

Scientific Manager: Franck Montmessin (franck.montmessin@latmos.ipsl.fr)