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Authors	Gondet, Brigitte, Bibring, Jean-Pierre, Montmessin, Franck, GIURANNA, MARCO, Hoffmann, Harald, Cardesin, Alejandro
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The Mars Express limbs observations database

Brigitte Gondet (1), Jean-Pierre Bibring (1), Franck Montmessin (2), Marco Giuranna (3), Harald Hoffmann (4), Alejandro Cardesin (5), and the OMEGA, SPICAM, PFS and HRSC Team

(1) CNRS / Universite Paris Sud, Institut d' Astrophysique spatiale (IAS), Orsay Campus, France (brigitte.gondet@ias.u-psud.fr), (2) LATMOS, CNRS/UVSQ/IPSL, 78280 Guyancourt, France, (3) IAPS Istituto di Astrofisica e Planetologia Spaziali, INAF Istituto Nazionale di AstroFisica, Via del Fosso del Cavaliere, 100-00133 Rome, Italy, (4) German Aerospace Center (DLR), Institute of Planetary Research, Rutherfordstrasse 2, 12489 Berlin, Germany, (5) European Space Agency, ESAC, Villanueva de la Canada, Spain

The capability to orient Mars Express allows a great diversity of observations modes, in particular nadir and limb. During day and night limb's observations, 4 out of 7 MEX instruments (the spectrometers: SPICAM, OMEGA, PFS and the high-resolution camera HRSC) work together to provide spectra (.12 μm to 45 μm) of the Martian atmosphere, at each altitude step, with the associated image.

We will present the limbs database of more than 10 years in orbit with striking results (dust and clouds detached layers, day and night emissions).

The database is now accessible to the scientific community via the ESA/PSA website (www.rssd.esa.int/PSA).