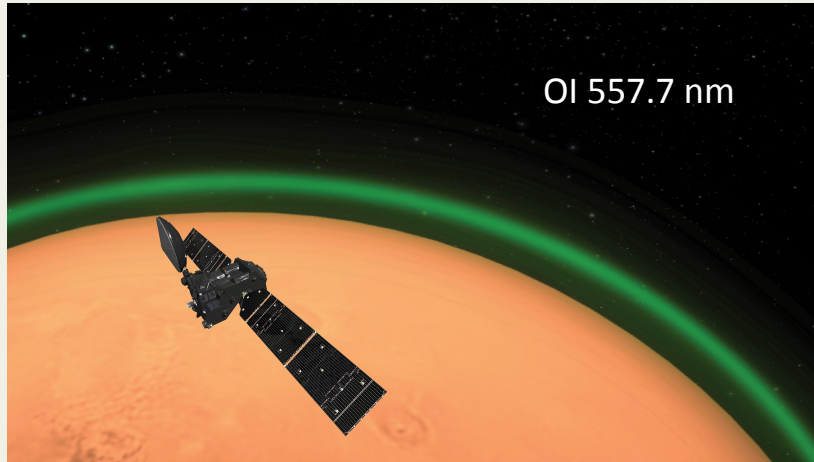
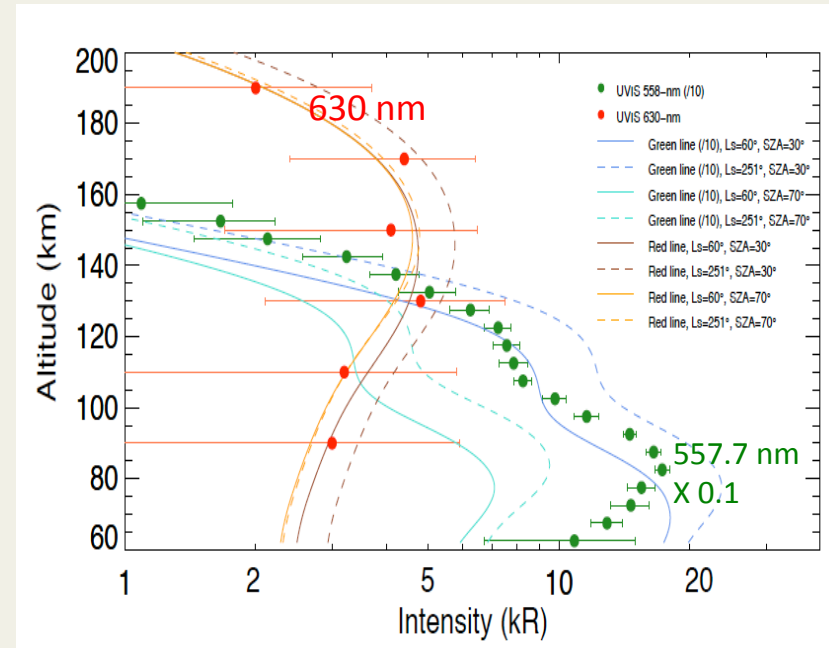


Multispectral analysis of the Martian dayglow from UVIS-NOMAD on board TGO

EGU 21-5164 - Gérard et al.



artist view



Both [OI] emissions have been detected in the Martian dayglow (dots). Model simulations for different conditions match the observed limb profiles (solid and dashed lines).

The UV-Visible UVIS spectrometer on board TGO has detected the presence of the oxygen 557.7 and 630 nm dayglow emissions (see fig.). Their distribution reflects the changes in the thermosphere throughout the Martian year. CO Cameron and CO₂⁺ MUV and visible bands have also been observed. A new limb observing mode and key results will be described.