



## **Transient atmospheric processes: dust storms and icy clouds monitored by OMEGA/Mars Express**

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Operating on board Mars Express since January 6, 2004, OMEGA has imaged more than 50% of the surface, with a spatial sampling of 2 to 5 km, over almost three consecutive Mars seasons. Some areas have been covered several times, at different periods: a number of transient atmospheric phenomenon have therefore been monitored. Given the spectral capabilities of OMEGA, dust and ices are clearly identified, which enables to follow small time-scales processes, at basically all latitudes. We will report and discuss the prominent ones.