

High accuracy spectro-photometry in the (real) astrophysical environment.

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Even if its principle is very easy to describe, high accuracy spectro-photometry of star is much more complex in a real astrophysical environment where targets are surrounded by exozodiacal dust clouds, and the instrument has to face the effect of disturbing sources (solar light, zodiacal environment...). In this talk, we will show how several environment characteristics constrain the design of the mission and observations, particularly, the target visibility and the accuracy of the transit depth determination. We also will show how this astrophysical environment and particularly stable stars can be used to help the on-board calibration of the instrument