

# Proba-3, ASPIICS coronagraph and polarimetry

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Proba-3 is the new mission of ESA that will deliver unprecedented observations of the solar corona. That is possible thanks to the unique technology of formation flying, which allows the construction of the giant space coronagraph ASPIICS. Coronagraph ASPIICS, distributed over both satellites of Proba-3, provides high-resolution observations of coronal structures from the low reaches of the solar corona (field of view from 1.1 to 3.0 solar radii). The contribution of Proba-3/ASPIICS to the polarimetric studies of coronal structures has a dual character. In a straightforward way, ASPIICS has the capability to observe corona in the polarized white light (5350-5650 ) thanks to the set of polarized filters (-60°, 0°, +60°). Moreover, thanks to its low reach, high resolution, and long observing windows (6 hours in a single orbit), ASPIICS will provide detailed information about the orientation, inner structure, and evolution of coronal features from streamers to eruptive prominences and CMEs. This, in collaboration with other instruments (e.g. Solar Orbiter/Metis), will allow more precise investigation of the coronal magnetic field.