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PLATO Mission Performance

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PLATO aims at the detection and characterization of terrestrial planets around solar-type stars as well as at the study of their host star properties. The key performance of PLATO is to detect terrestrial planets orbiting in the habitable zone of these stars. This science goal drives the design and the operations of the mission. The PLATO Payload features a complex multi-telescope configuration consisting of 26 cameras of 12 cm pupil size covering a field of view of more than 2000 square degrees, spread over 104 CCDs of 20 million pixels each. The information of the cameras has to be combined in order to achieve the strict noise requirements at mission level. Here we will review the drivers for PLATO Performance and present the most recent description of the status of noise budget and verification of main performance requirements (including field of view and pointing performance) at the time right before the mission critical design review.

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