

Laboratory demonstration of the sub-microradian ATP Subsystem for Deep Space optical communications

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ABSTRACT

This presentation will report on the acquisition, tracking and pointing subsystem for deep space optical communications. The design goal of this system is to obtain sub-microradian pointing performance from a deep space platform (e.g. Mars). The presentation will show the status of the pointing performance of this system. The performance of the camera, of centroiding algorithms, noise analysis and component descriptions will be discussed.

Keywords: Free-space optical communications, UAV-to-Ground Lasercomm, high rate comm