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TYPE   Presentation

ABSTRACT

This presentation focuses on the decisions made for acquisition of a satellite to optimization of tracking once a satellite is found. An emphasis is placed on SGSLR, in particular operation in single photon mode, and angle bias calculation with the aid of a pixelated detector. We explore which system controllables should be adjusted to get a maximum data volume, which to hold fixed to avoid over-complicating the system for little gain, and any new system observables that are necessary due to automation.