

## Mission characterization of LEO targets

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In the middle of 2018 belonging to the Space Research Centre of the Polish Academy of Sciences (SRC PAS) Borowiec laser station (BORL 7811) has started first parallel SLR and optical measurements.

The measurements are used for the needs of space mission characterization. The first measurements in this topic performed by BORL station concern the active satellites and Chinese boosters from LEO regime. For the laser purposes the standard 10 Hz, picosecond laser system is used, for optical tracking the second independent setup based on 65 cm Cassegrain. That system is equipped to the RC 8" guiding telescope and two fast CMOS cameras. All these things are supported by cost-effected disk array and flexible multitask steering/tracking software developed at SRC PAS.

Ultimately, this approach is dedicated to Space Surveillance and Tracking (SST) activity.