Recommendations #1 General

- Operate the SLR on 1 photon level only (?)
- Higher system stability is a prerequisite for smaller biases
- Maintain maximum system delay stability (selection of components, environment, procedures..)
- Permanently try to identify new possible bias sources
 ".. Suspect everything .." Herstmonceux, 2015
- Repeatedly check the individual contributors using more accurate references
- Calibrate and maintain the laser emission epoch vers. UTC

Recommendations #2 SLR system calibration

- Use optically correct calibration targets
 2D hollow retro recommended for separate T/R
- Use efficient spatial filtering small FoV suppresses spurious reflections
- Ensure perfect alignment of the receiver optics (star tracking / scanning is a good check)
- Use multiple targets at different az and range check the system delay consistency
- Re-survey the targets geometry regularly use various scales, techniques,.....
- Keep detailed record of all system modifications, report any modification to ILRS